Field Sampling Summary Report #72

INSTALLATION OF
EAST SIDE COASTAL RESILIENCY
FROM MONTGOMERY STREET TO EAST 15th STREET
BOROUGH OF MANHATTAN

NYCDDC PROJECT # SANDRESM1

Prepared for:

New York City Department of Design and Construction
Office of Environmental and Hazmat Services
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On behalf of:

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Prepared by:

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AES Project No. 0897

REVISION #1
OCTOBER 8th, 2025

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1.0 INTRODUCTION

American Environmental Solutions, Inc. (AES) of Patchogue, New York, has been contracted by IPC Resiliency Partners (IPC) of Great Neck, New York, as their project environmental consultant to prepare a Field Sampling Summary Report (FSSR) for the New York City Department of Design and Construction (NYCDDC) East Side Coastal Resiliency project (Project No. SANDRESM1) located in Manhattan, New York. This FSSR documents field sampling activities, soil screening, sample collection and analysis.

1.1 Project Description

The project work area extends approximately 1.5 miles along Manhattan's east side waterfront from East 15th Street to Montgomery Street, between FDR Drive and the East River. The site is primarily comprised of John V. Lindsay East River Park. This work area has been designated Project Area One. Due to the size and scope of the project, work areas have been delineated into Reaches A through K. The project location is shown on Figure 1.

The East Side Coastal Resiliency (ESCR) project involves construction of flood protection measures including installation of flood walls and closure structures. Project plans include construction of an above ground floodwall, a transition retaining wall, and installation of flood gates. The scope of work also includes infrastructure improvements to mitigate risk of flood damage including reconstruction of water mains and sewers. East River Park will be elevated 9 feet and reconstructed, including existing park structures and recreational features, the amphitheater, track facility and tennis house. Proposed work also includes construction of new pedestrian bridges, street lighting and traffic work.

The infrastructure improvements will generate approximately 287,600 cubic yards (cy) of soil. Soils generated as part of the SANDRESM1 infrastructure activities will be managed as per applicable New York State Department of Environmental Conservation (NYSDEC) Part 375 Commercial Use Soil Cleanup Objectives (CSCOs) for road work areas and Restricted Residential Use SCOs (RRSCOs) for parkland and any additional specifications required by the DDC.

The excavation for infrastructure improvements will range from 4 feet to approximately 40 feet below grade (ftbg).

2.0 FIELD ACTIVITIES

AES performed soil sampling at the site on September 24th, 25th and 26th, 2025. A total of fourteen soil samples (DEP-114, DEP-113, DEP-112, DEP-111, DEP-110, DEP-109, DEP-108, DEP-100, DEP-101, DEP-102, DEP-103, DEP-104, DEP-106, DEP-107) were collected from borings advanced up to 20 ftbg in areas to be excavated for DEP sewer installation adjacent to the track.

Soil boring locations are shown on Figure 2. Site photographs are included in Attachment I. Soil boring logs are included in Appendix A.

2.1 Soil Sampling and Analysis

Soil samples were field screened using a photoionization detector (PID) and readings were recorded on boring logs. All PID readings collected during the field sampling events are shown on boring logs included in Appendix A. One grab sample and one composite soil sample were collected from each sampling location and submitted for laboratory analysis.

Soil samples were placed into laboratory supplied sample jars and properly labeled. The soil samples were stored in a cooler with ice to preserve the samples at approximately 4° Celsius prior to and during sample shipment. A chain-of-custody was prepared prior to sample shipment

Soil samples were delivered in coolers to Phoenix Environmental Laboratories, Inc. of Manchester, Connecticut (NYSDOH ELAP # 11301) for analysis. All soil samples collected were analyzed for the following parameters:

- 40 CFR Part 261, Subpart C (Characteristics of Hazardous Waste)
- Ignitability (Method 1010);
- Corrosivity (Method 9045C);
- Reactivity (Chapter 7.3.2);
- Toxicity Characteristic Leaching Procedure (TCLP) VOC (Method 1311/8260);
- TCLP SVOC (Method 1311/8270);
- TCLP Pesticides (Method 1311/8081) (if required by the selected disposal facility);
- TCLP Herbicides (Method 1311/8151A);
- TCLP Metals (Method 1311/6010B/7470A);
- Polychlorinated biphenyls (PCBs) (Method 8082);
- Pesticides (Method 8081);
- Total Petroleum Hydrocarbons (TPH) (Method 8015);
- Extractable Petroleum Hydrocarbons (EPH);
- Target Analyte List Metals (TAL) (Method 6010);

- Target Compound List (TCL) VOCS (Method 8260) and SVOCS (Method 8270)

Laboratory analysis is included in Appendix B.

2.2 Analytical Results

Analytical laboratory results indicated 11 samples collected contained compounds in concentrations exceeding the NYSDEC Part 375 Commercial Soil Cleanup Objectives (CSCOs) and three samples (DEP-100, DEP-109 and DEP-114) contained concentrations of lead exceeding the RCRA Hazardous Waste Characteristic Regulatory Level. Compound exceedances are shown on Tables 1 and 2.

Comments:

- Analytical results compared to applicable criteria are presented in Tables 1 and 2. Eleven of fourteen soil samples collected exhibited exceedances of CSCOs. Exceedances of CSCOs are highlighted in yellow on Table 1. Material exceeding CSCOs should not be reused as backfill on-site and should be transported off-site for disposal at a permitted disposal facility.

- The TCLP lead results exceeded the RCRA Hazardous Waste Characteristic Regulatory Level of 5 milligrams per liter (mg/L) in soil samples DEP-100, DEP-109 and DEP-114 at concentrations of 26.9, 17.7 and 7.0 mg/L, respectively. TCLP results are summarized in Table 2.

3.0 CONCLUSIONS AND RECOMMENDATIONS

Based on review and evaluation of analytical data and field screening, the following findings, conclusions and recommendations are presented:

- Laboratory analytical results indicated soil samples DEP-109, DEP-100 and DEP-114 exhibited evidence of hazardous waste characteristics for toxicity as discussed above and identified in Table 2. Upon commencement of the infrastructure improvement activities, the material should be properly disposed of at a USEPA approved RCRA-Part B TSDF facility. TCLP lead concentrations detected in soil samples may be attributed to the presence of historic fill material in the subsurface.

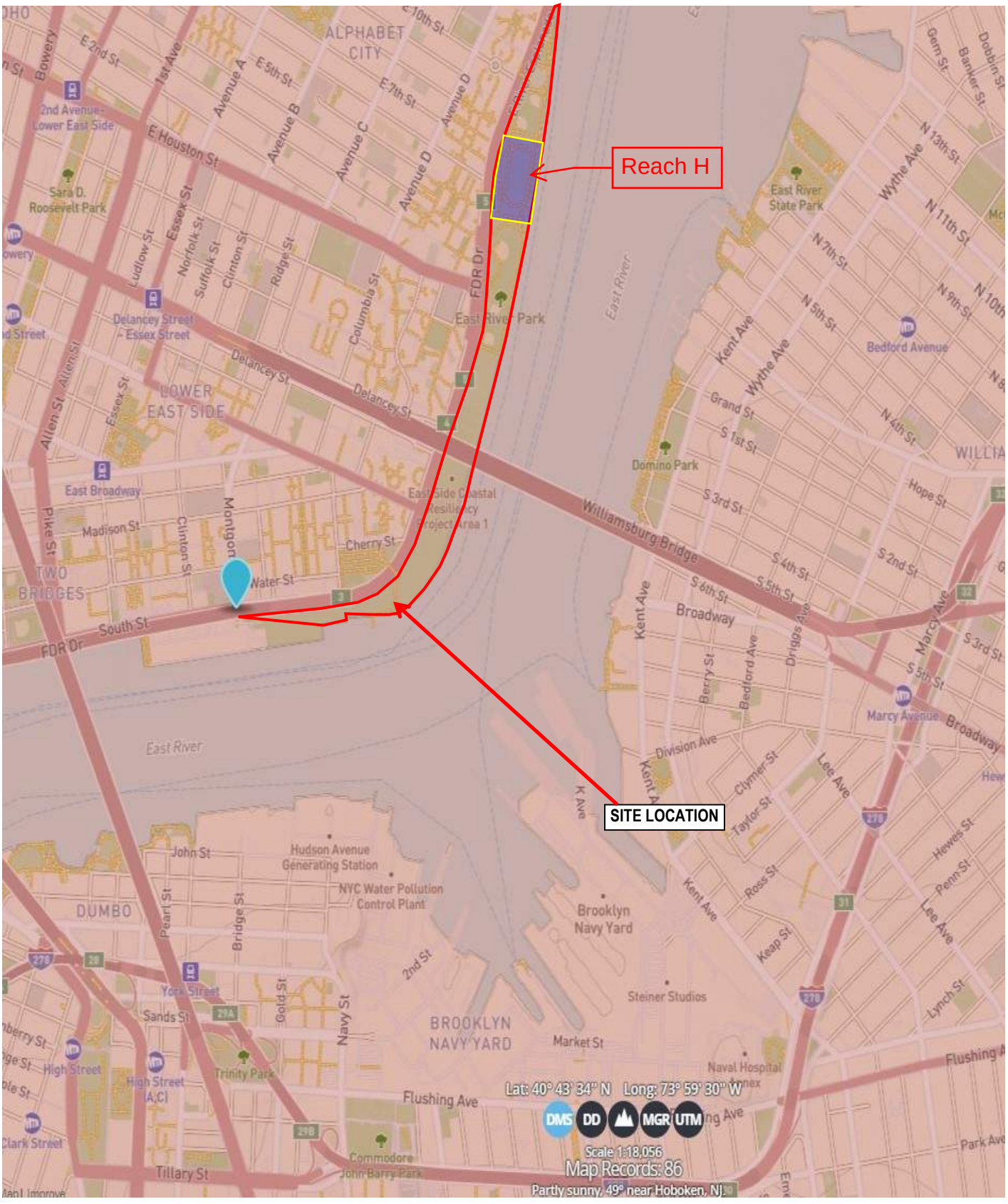
- Contamination was found in samples DEP-114, DEP-113, DEP-110 and DEP-109, DEP-100, DEP-101, DEP-102, DEP-103, DEP-104, DEP-106 and DEP-107 as shown on Tables 1 and 2. Material exceeding CSCOs should not be used as backfill on-site and should be transported to a licensed, permitted facility for disposal pursuant to federal, state and local regulations. Non-native material such as historic fill should be transported off-site for disposal pursuant to Federal, State and local regulations.

- The soil analytical results should be presented to disposal facilities for classification and acceptance in accordance with the individual permit requirements and State and Federal regulations.

Report prepared by:

Brian Pendergast
Environmental Project Manager

FIGURES



Site Location Map **East Side Coastal Resiliency** **From Montgomery Street to 15th Street** **New York, NY**	AES Project No. 0897 Field Sampling Summary Report NTS Not to Scale	**Figure 1** **American Environmental Solutions, Inc.**

SANDRESM1 BIDDABLE PACKAGE 2/21/2020

FRANKLIN D ROOSEVELT DRIVE

EXISTING CRIB BULKHEAD

MATCHLINE STA. 69+33 SEE SHEET WS304

MATCHLINE STA. 77+58 SEE SHEET WS306

SEGMENT 3 - SEGMENT 2

OIL-12 CONTD · OIL-14 · OIL-15 · OIL-16 · OIL-17 · OIL-18 · OIL-19 · OIL-20 · OIL-21 · OIL-22 · OIL-23

DEP-100 · DEP-101 · DEP-102 · DEP-103 · DEP-104 · DEP-105 · DEP-106 · DEP-107 · DEP-108 · DEP-109 · DEP-110 · DEP-111 · DEP-112 · DEP-113 · DEP-114 · DEP-115 · DEP-116 · DEP-117

G-177 · G-178 · G-179 · G-180 · G-181 · G-182 · G-183 · G-184 · G-185 · G-186 · G-187 · G-188 · G-189 · G-190 · G-191 · G-192 · G-192A · G-193 · G-194 · G-195 · G-196 · G-197 · G-198 · G-199 · G-200 · G-201 · G-202 · G-202A · G-203 · G-204 · G-205 · G-206 · G-207 · G-208 · G-208A · G-208B · G-209 · G-210 · G-211 · G-212 · G-212A · G-213 · G-214 · G-215 · G-216 · G-217 · G-218 · G-219 · G-220 · G-220A

1 STY. STUCCO NYC PARKS & RECREATION

FOR PROPOSED REGULATOR DETAILS, SEE NOTE 9 ON SHEET WS300

EXISTING SEWER AND REGULATOR

FOR PROPOSED DRAINAGE DETAILS SEE NOTE 14 ON SHEET WS300

FOR PROPOSED SEWER DETAILS, SEE NOTE 9 ON SHEET WS300

FOR PROPOSED SEWER DETAILS, SEE NOTE 9 ON SHEET WS300

FOR PROPOSED FLOODWALL DETAILS, SEE NOTE 11 ON SHEET WS300

1,331.38 SF

2,966.9 SF

JOHN V. LINDSAY EAST RIVER PARK

PROPOSED ANCHORED STRUCTURAL STYROFOAM BLOCK (TYP)

PROPOSED SHEET PILE DEADMAN

EXISTING SHEET PILE WALL

5'-6" C... MIN

PROPOSED TIE RODS

PROPOSED LIGHTWEIGHT FILL EXTENT

EXISTING CONCRETE FOOTING AND SHEET PILES

34'-1 1/2"

G-209 6 WS622 91 CONTD · 29 G-210 · 30 G-5 WS621 · 30 WS359 · H-1 WS623 · 31 WS360 · 32 WS361 · 33 WS362 · H-2 WS624 · 34 WS363

BH91 · BH92 · BH93 · BH94 · BH95 · BH96 · BH97 · BH98 · BH99 · BH100 · BH101 · BH102 · BH103 · BH104 · BH105 · BH106 · BH107 · BH108 · BH109

30" (MIN)

EDGE OF ESPLANADE DECK

PROPOSED CUT-OFF WALL

Geoprobe advanced to 18' BGS

PROPOSED OUTFALL PENETRATION IN BULKHEAD, SEE NOTE 13 ON SHEET WS300

EXISTING CONCRETE PILE CAP (TYP)

AASHTO TYPE V BEAMS (6 PILES) TO BE INSTALLED

PROPOSED PILE CAP (SEE NOTE 3) (TYP)

PROPOSED PILE (SEE NOTE 4) (TYP)

EXISTING NORTH EMBAYMENT TO BE FILLED AFTER INSTALLATION OF CUT-OFF WALL

AASHTO TYPE V BEAMS (5 PILES) TO BE INSTALLED

AASHTO TYPE V BEAMS (3 PILES) TO BE INSTALLED

AASHTO TYPE V BEAMS (5 PILES) TO BE INSTALLED

CUT-OFF WALL PILE CAP TOP EL. +11.73'±

CUT-OFF WALL TIP EL. -44.0'

CUT WALL PILE CAP TOP EL. +12.98'

CUT-OFF WALL PILE CAP TOP EL. +12.07'±

CUT-OFF WALL TIP EL. -34.0'

INTERLOCK SEALANT APPLIED TO CUT-OFF WALL (SEE NOTE 2)

CUT-OFF TIP EL.-50.0'

CUT-OFF WALL PILE CAP TOP EL. +12.95'

EDGE OF ESPLANADE DECK

EAST RIVER

SECTION G-6 · SECTION G-5 · SECTION H-1 · SECTION H-2

0 15 30 60
SCALE: 1" = 30'

LEGEND:

LIMITS OF WORK

PROPOSED COMB. SEWER

NOTE:

1. FOR NOTES, REFER TO SHEET WS300.
2. REFER TO WS760 FOR INTERLOCK SEALANT DETAILS.
3. REFER TO SHEET WS512 FOR PROPOSED PILE CAP DETAILS.
4. REFER TO SHEETS WS500 AND WS501 FOR PROPOSED PILE DETAILS.

FOR BID

SUBMITTED DATE: 02/21/2020

NO.	DATE	DESCRIPTIONS	BY	APPR'D
		REVISIONS		
4	4/7/2021	SANDRESM1 BULLETIN	JM	DF
3	7/16/2020	DRAWING REVISED	MKS	DF
2	6/26/2020	DRAWING REVISED	DP	DF
1	5/28/2020	DRAWING REVISED	JM	DF

FINAL DESIGN SUBMITTED BY:
AKRF KSE
The AKRF-KSE JV

FINAL DESIGN PREPARED BY:
ch2m:
CH2M HILL NEW YORK, INC.
NAME OF CONSULTANT

SIGNATURE

DATE

CITY OF NEW YORK
DEPARTMENT OF DESIGN + CONSTRUCTION
DIVISION OF INFRASTRUCTURE
BUREAU OF DESIGN

WATERFRONT STRUCTURAL PLAN
SEGMENT 2 – REACH H
STA. 69+33 – 77+58

CH2M
DRAWN BY

SANDRESM1-WS305-04.DWG
CADD FILE

INSTALLATION OF
EAST SIDE COASTAL RESILIENCY
BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 2/21/20

SHEET 731 OF 2791

WS305

CONSULTANT DESIGN

TABLES

EAST SIDE COASTAL RESILIENCY FROM MONTGOMERY STREET TO EAST 15TH STREET, MANHATTAN
NYCDDC PROJECT SANDRESM1
IPC RESILIENCY PARTNERS
TABLE 1: SUMMARY OF SOIL ANALYSIS - SAMPLES COLLECTED 9/24/25 & 9/25/25

Parameter	Compounds Detected	Unit	NYSDEC Part 375 Commercial Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Residential Soil Cleanup Objectives	DEP114 9/24/25	DEP113 9/24/25	DEP112 9/24/25	DEP111 9/25/25	DEP110 9/25/25	DEP109 9/25/25	DEP108 9/25/25
PCBs	None Detected	ppm	-	-	ND	ND	ND	ND	ND	ND	ND
Pesticides	4,4-DDD	ppm	92	13	0.0076	ND	ND	ND	ND	ND	ND
TAL Metals	Aluminum	ppm	NS	NS	5,860	7,820	8,990	7,080	5,410	5,550	7640
	Antimony	ppm	NS	NS	ND	ND	ND	ND	8.8	5.2	ND
	Arsenic	ppm	16	16	6.04	3.98	6.83	3.23	6.81	**21.4**	8.08
	Barium	ppm	400	400	131	150	67.1	93.2	161	**506**	131
	Beryllium	ppm	590	72	.31	.44	.45	.4	ND	.8	0.39
	Cadmium	ppm	9.3	4.3	.62	.73	ND	ND	.4	1.16	0.6
	Calcium	ppm	NS	NS	57,900	39,800	43,500	7,080	22,900	5,960	5,120
	Chromium	ppm	1500	180	14.9	18.7	17.2	17.9	28.1	17.2	15.6
	Hexvalent Chromium	ppm	400	110	ND	ND	ND	ND	ND	ND	ND
	Trivalent Chromium	ppm	1500	180	14.9	18.7	17.2	17.9	28.1	17.2	15.6
	Cobalt	ppm	NS	NS	5.2	5.88	6.87	7.44	4.75	7.17	8.78
	Copper	ppm	270	270	52.2	29.6	56.5	21.6	149	**412**	229
	Iron	ppm	NS	NS	18,300	14,900	13,200	13,900	13,900	27,500	26,100
	Lead	ppm	1000	400	**1220**	308	79.7	125	**426**	**1800**	380
	Manganese	ppm	10,000	2000	292	311	508	253	261	202	257
	Magnesium	ppm	NS	NS	5,330	17,700	20,000	3,880	6,610	788	2,440
	Mercury	ppm	2.8	0.81	.255	.603	.368	.73	.53	**1.32**	**2.29**
	Nickel	ppm	310	310	15.9	18.1	15.3	22	16.7	20.1	19.6
	Sodium	ppm	NS	NS	748	419	1750	512	705	1650	472
	Potassium	ppm	NS	NS	1,310	1,760	1,530	1,940	1,440	873	1,770
	Vanadium	ppm	NS	NS	28.7	28.9	22.2	20.4	27.7	21.7	22.7
	Zinc	ppm	10,000	10,000	274	317	51.8	97.8	230	735	245
Semi-Volatile Organic Compounds (SVOCs)	2-Methylnapthalene	ppm	NS	NS	3.5	ND	ND	ND	ND	ND	ND
	Acenapthene	ppm	500	100	ND	ND	ND	ND	.31	1.5	ND
	Acenapthylene	ppm	500	100	4.4	ND	ND	ND	ND	ND	ND
	Anthracene	ppm	500	100	6.2	.65	.53	ND	1.1	1.6	ND
	Benz(a)anthracene	ppm	5.6	1	**10**	**1.8**	**1.1**	.58	**2.6**	**14**	0.36
	Benzaldehyde	ppm	NS	NS	ND	ND	ND	ND	ND	ND	0.59
	Benzo(a)pyrene	ppm	1	1	**11**	**1.7**	.92	.55	**2.7**	**29**	0.42
	Benzo(b)fluoranthene	ppm	5.6	1	**12**	**2.8**	**1.1**	.65	**3.5**	**30**	0.53
	Benzo(ghi)perylene	ppm	500	100	6.9	1.2	.63	.36	1.7	19	ND
	Benzo(k)fluoranthene	ppm	56	3.9	**4.1**	.94	.34	ND	1.2	**8**	ND
	Carbazole	ppm	NS	NS	ND	ND	ND	ND	ND	.74	ND
	Chrysene	ppm	56	3.9	**8**	1.6	.96	.56	2.3	**13**	0.34
	Dibenz(a,h)anthracene	ppm	0.56	.33	**1.4**	.25	ND	ND	**.41**	**5.7**	ND
	Dibenzofuran	ppm	NS	NS	ND	ND	ND	ND	ND	ND	ND
	Fluoranthene	ppm	500	100	22	4.9	2.6	1.1	4.6	11	0.53
	Fluorene	ppm	500	100	4.4	ND	ND	ND	.33	.33	ND
	Indeno(1,2,3-cd)pyrene	ppm	5.6	0.5	**7**	**1.1**	**.54**	.37	**1.9**	**24**	ND
	Napthalene	ppm	500	100	11	ND	ND	ND	ND	.35	ND
	Phenanthrene	ppm	500	100	21	3.3	2.1	.75	2.8	4.1	ND
	Pyrene	ppm	500	100	26	4.4	2.5	1.2	4.2	11	0.49
Cyanide	Cyanide	ppm	27	27	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (VOCs)	Acetone	ppm	500	100	ND	ND	ND	ND	ND	0.089	ND
EPH	>C28-C40	ppm	NS	NS	19	14	ND	ND	1900	560	75
	C9-C28	ppm	NS	NS	220	63	ND	ND	1100	340	200
	Total EPH	ppm	NS	NS	239	77	ND	ND	3000	900	275
TPH	DRO	ppm	NS	NS	2000	140	490	ND	880	440	320
	GRO	ppm	NS	NS	ND	ND	ND	ND	ND	ND	ND

ND Not Detected
NS No regulatory criteria available
Yellow highlighted concentrations exceed NYSDEC Part 375 Restricted Residential and Commerical Soil Cleanup Objeictives

EAST SIDE COASTAL RESILIENCY FROM MONTGOMERY STREET TO EAST 15TH STREET, MANHATTAN
NYCDDC PROJECT SANDRESM1
IPC RESILIENCY PARTNERS
TABLE 1: SUMMARY OF SOIL ANALYSIS - SAMPLES COLLECTED 9/26/25

Parameter	Compounds Detected	Unit	NYSDEC Part 375 Commercial Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Residential Soil Cleanup Objectives	DEP100 9/26/25	DEP101 9/26/25	DEP102 9/26/25	DEP103 9/26/25	DEP104 9/26/25	DEP106 9/26/25	DEP107 9/26/25
PCBs		ppm	-	-	ND	ND	ND	ND	ND	ND	ND
Pesticides		ppm	92	13	ND	ND	ND	ND	ND	ND	ND
TAL Metals	Aluminum	ppm	NS	NS	7,690	5,220	11,100	9,150	9,540	12,900	9540
	Antimony	ppm	NS	NS	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ppm	16	16	**23**	2.99	**19.9**	7.87	9.33	9.1	8.1
	Barium	ppm	400	400	295	43.9	300	179	262	**389**	**517**
	Beryllium	ppm	590	72	1.01	ND	.75	.57	.46	.84	ND
	Cadmium	ppm	9.3	4.3	1.49	ND	3.7	.44	.64	.88	ND
	Calcium	ppm	NS	NS	10,900	19,200	8,450	15,300	36,700	23,800	9,290
	Chromium	ppm	1500	180	16.1	16	74.9	20.6	16.5	28.5	20.8
	Hexvalent Chromium	ppm	400	110	ND	ND	ND	ND	ND	ND	ND
	Trivalent Chromium	ppm	1500	180	16.1	16	74.9	20.6	16.5	28.5	20.8
	Cobalt	ppm	NS	NS	11.8	5.91	9.27	5.86	5.83	12.1	9.25
	Copper	ppm	270	270	70.4	26.4	245	45	43.9	74.6	118
	Iron	ppm	NS	NS	17,100	12,400	26,700	15,300	15,300	27,300	29,400
	Lead	ppm	1000	400	**619**	46.7	458	155	**512**	**451**	**1640**
	Manganese	ppm	10,000	2000	234	146	288	243	295	419	211
	Magnesium	ppm	NS	NS	1,110	7,950	5,320	8,340	5,410	7,390	2,770
	Mercury	ppm	2.8	0.81	**9.01**	.477	**1.13**	.225	.348	**1.21**	**1.31**
	Nickel	ppm	310	310	43.4	14.7	34	13.6	16	31.5	25.2
	Sodium	ppm	NS	NS	772	535	2280	3260	1060	807	772
	Potassium	ppm	NS	NS	771	1,260	2,880	2,080	1,200	3,560	1,650
	Vanadium	ppm	NS	NS	44.3	36.3	36.5	23.1	29.7	40.4	29.4
	Zinc	ppm	10,000	10,000	1030	50.5	497	127	266	388	330
Semi-Volatile Organic Compounds (SVOCs)	2-Methylnapthalene	ppm	NS	NS	ND	ND	2.6	2.1	ND	ND	ND
	3&4-Methylphenol (m&p cresol)	ppm	500	100	ND	ND	.34	ND	ND	ND	ND
	Acenapthene	ppm	500	100	ND	.56	9.7	2.3	.36	ND	1.1
	Acenapthylene	ppm	500	100	ND	ND	2.4	ND	ND	ND	ND
	Anthracene	ppm	500	100	.62	1.5	9.7	4	1	ND	2.4
	Benz(a)anthracene	ppm	5.6	1	**2.2**	**2.6**	**9.1**	4.5	**2.4**	.68	**5.5**
	Benzaldehyde	ppm	NS	NS	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	ppm	1	1	**2.6**	**2.5**	**7.9**	**4.1**	**2.5**	.87	**7.9**
	Benzo(b)fluoranthene	ppm	5.6	1	**3.1**	**3.1**	**7.2**	**4.4**	**2.8**	.9	**8**
	Benzo(ghi)perylene	ppm	500	100	2	1.7	3.9	1.8	1.4	.6	4.8
	Benzo(k)fluoranthene	ppm	56	3.9	.97	1	2.3	1.5	1	ND	3.2
	Carbazole	ppm	NS	NS	ND	.48	ND	ND	.44	ND	ND
	Chrysene	ppm	56	3.9	2.1	2.4	**8.2**	3.8	2.2	.57	**4.6**
	Dibenz(a,h)anthracene	ppm	0.56	.33	**.43**	**.4**	**.96**	**.45**	**.37**	ND	**1.4**
	Dibenzofuran	ppm	NS	NS	ND	.4	.73	.7	ND	ND	ND
	Fluoranthene	ppm	500	100	4.1	5.7	15	8.5	5.1	1.5	9.6
	Fluorene	ppm	500	100	ND	.53	3.7	2.1	.37	ND	1
	Indeno(1,2,3-cd)pyrene	ppm	5.6	0.5	**2.1**	**1.9**	**4.1**	**1.9**	**1.5**	**.68**	**5.5**
	Napthalene	ppm	500	100	ND	ND	5.2	5.1	.31	ND	ND
	Phenanthrene	ppm	500	100	2.2	4.1	20	9.4	3.9	.77	7.2
	Pyrene	ppm	500	100	4.1	5	20	8.5	4.8	1.3	8.5
Cyanide	Cyanide	ppm	27	27	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (VOCs)	Acetone	ppm	500	100	ND	ND	0.081	ND	ND	ND	0.11
	1,2,4-Trimethylbenzene	ppm	190	52	ND	ND	0.037	ND	ND	ND	ND
	1,3,5-Trimethylbenzene	ppm	190	52	ND	ND	0.05	ND	ND	ND	ND
	n-Propylbenzene	ppm	500	100	ND	ND	0.01	ND	ND	ND	ND
	p-Isopropyltoluene	ppm	NS	NS	ND	ND	0.013	ND	ND	ND	ND
	Carbon Disulfide	ppm	NS	NS	ND	ND	0.0098	ND	ND	ND	0.034
	Ethylbenzene	ppm	390	41	ND	ND	0.0089	ND	ND	ND	ND
	o-Xylene	ppm	NS	NS	ND	ND	0.02	ND	ND	ND	ND
	Total Xylenes	ppm	500	100	ND	ND	0.02	ND	ND	ND	ND
EPH	>C28-C40	ppm	NS	NS	ND	1100	ND	350	ND	ND	ND
	C9-C28	ppm	NS	NS	ND	620	260	130	ND	ND	ND
	Total EPH	ppm	NS	NS	ND	1720	260	480	ND	ND	ND
TPH	DRO	ppm	NS	NS	ND	840	1200	ND	ND	460	1100
	GRO	ppm	NS	NS	ND	ND	20	ND	ND	ND	ND

ND Not Detected
NS No regulatory criteria available
Yellow highlighted concentrations exceed NYSDEC Part 375 Restricted Residential and Commerical Soil Cleanup Objeictives

EAST SIDE COASTAL RESILIENCY FROM MONTGOMERY STREET TO EAST 15TH STREET, MANHATTAN
NYCDDC PROJECT SANDRESM1
IPC RESILIENCY PARTNERS
TABLE 2: SUMMARY OF TCLP & RCRA ANALYSIS - SAMPLES COLLECTED 9/24/25 & 9/25/2025

Parameter	Compounds Detected	Unit	Regulatory Criteria	DEP114 9/24/25	DEP113 9/24/25	DEP112 9/24/25	DEP111 9/25/25	DEP110 9/25/25	DEP109 9/25/25	DEP108 9/25/25
RCRA Characteristics	pH	pH units	<2 or >12.5	7.89	12.5	8.53	9	9.44	8.28	7.69
	Flashpoint	º F	>200º F	>200°F	>200°F	>200°F	>200°F	>200°F	>200°F	>200°F
	Ignitability	º F	<140º F	passed	passed	passed	passed	passed	passed	passed
	Reactivity - Cyanide	ppm	_	ND	ND	ND	ND	ND	ND	ND
	Reactivity - Sulfide	ppm	_	ND	ND	ND	ND	ND	ND	ND
TOXICITY		**Unit**	**USEPA Toxicity Characteristic Regulatory Criteria**	**DEP114 9/24/25**	**DEP113 9/24/25**	**DEP112 9/24/25**	**DEP111 9/25/25**	**DEP110 9/25/25**	**DEP109 9/25/25**	**DEP108 9/25/25**
TCLP Metals	Barium	mg/L	100	1.06	1.24	0.78	0.81	0.58	3.09	0.93
	Lead	mg/L	5	**7**	0.38	3.6	ND	0.34	**17.7**	1.16
TCLP VOCs	None Detected	_	_	ND	ND	ND	ND	ND	ND	ND
TCLP SVOCs	None Detected	_	_	ND	ND	ND	ND	ND	ND	ND
TCLP Pests/Herbicides	None Detected	_	_	ND	ND	ND	ND	ND	ND	ND

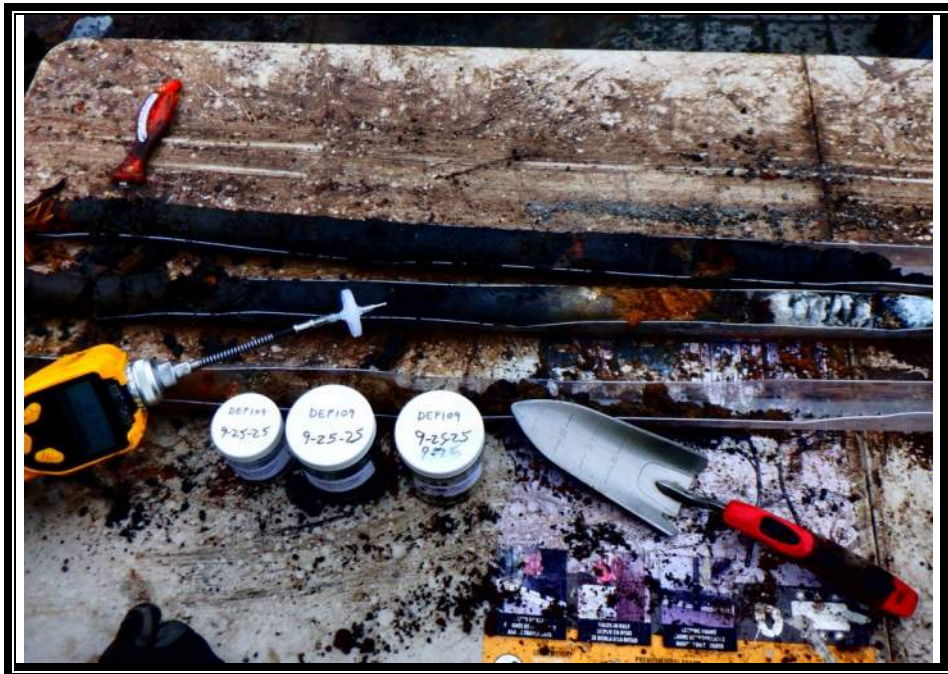
Notes:
NS No regulatory criteria available
ND Not detected
Yellow highlighted concentrations and boring locations exceed hazardous waste regulatory criteria.

EAST SIDE COASTAL RESILIENCY FROM MONTGOMERY STREET TO EAST 15TH STREET, MANHATTAN
NYCDDC PROJECT SANDRESM1
IPC RESILIENCY PARTNERS
TABLE 2: SUMMARY OF TCLP & RCRA ANALYSIS - SAMPLES COLLECTED 9/26/2025

Parameter	Compounds Detected	Unit	Regulatory Criteria	DEP100 9/26/25	DEP101 9/26/25	DEP102 9/26/25	DEP103 9/26/25	DEP104 9/26/25	DEP106 9/26/25	DEP107 9/26/25
RCRA Characteristics	pH	pH units	<2 or >12.5	8.15	8.14	7.75	8.37	8.02	8.71	7.6
	Flashpoint	º F	>200º F	>200°F	>200°F	>200°F	>200°F	>200°F	>200°F	>200°F
	Ignitability	º F	<140º F	passed	passed	passed	passed	passed	passed	passed
	Reactivity - Cyanide	ppm	_	ND	ND	ND	ND	ND	ND	ND
	Reactivity - Sulfide	ppm	_	ND	ND	ND	ND	ND	ND	ND
TOXICITY		**Unit**	**USEPA Toxicity Characteristic Regulatory Criteria**	**DEP100 9/26/25**	**DEP101 9/26/25**	**DEP102 9/26/25**	**DEP103 9/26/25**	**DEP104 9/26/25**	**DEP106 9/26/25**	**DEP107 9/26/25**
TCLP Metals	Barium	mg/L	100	1.12	1.25	0.68	0.7	0.54	0.28	0.62
	Lead	mg/L	5	**26.9**	0.4	1.12	0.46	ND	ND	0.37
	Mercury	mg/L	0.2	0.0007	ND	ND	ND	ND	ND	ND
TCLP VOCs	None Detected	_	_	ND	ND	ND	ND	ND	ND	ND
TCLP SVOCs	None Detected	_	_	ND	ND	ND	ND	ND	ND	ND
TCLP Pests/Herbicides	None Detected	_	_	ND	ND	ND	ND	ND	ND	ND

Notes:
NS No regulatory criteria available
ND Not detected
Yellow highlighted concentrations and boring locations exceed hazardous waste regulatory criteria.

ATTACHMENT I
SITE PHOTOGRAPHS



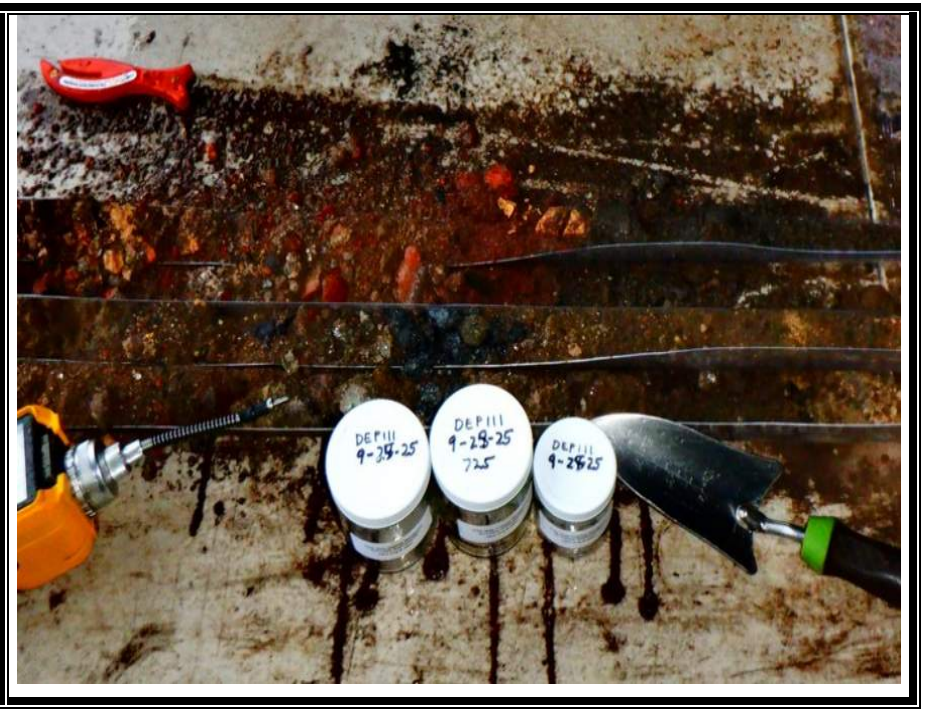
Soil boring DEP-109 (haz location), collected 9/25/25

Soil boring DEP-100 (haz location), collected 9/26/25

Soil boring DEP-114 (haz location), collected 9/24/25

Soil boring DEP-113, collected 9/24/25

Soil boring DEP-112, collected 9/24/25



Soil boring DEP-111, collected 9/25/25

Soil boring DEP-109 (haz location), collected 9/25/25

Soil boring DEP-108, collected 9/25/25

Soil boring DEP-104, collected 9/26/25

Soil boring DEP-103, collected 9/26/25

Soil boring DEP-102, collected 9/26/25

Soil boring DEP-101, collected 9/26/25

Soil boring DEP-106, collected 9/26/25

Soil boring DEP-102, collected 9/26/25

APPENDIX A

SOIL BORING LOGS

AES, Inc.

TEST HOLE LOG

CLIENT:	IPC Resiliency Partners	BORING ID:	DEP114
AGENCY:	NYCDDC	PROPOSED DEPTH	20'
DRILLER:	ADT	DATE	9/24/2025
PROJECT ID:	SANDRESM1	PROJECT No.	0897	TIME STARTED:	10:25
ADDRESS :	East Side Coastal Resiliency East River Park, NYC	GEOLOGIST:	Brian Pendergast/Mike Amore	GROUND WATER COMMENTS	
LOCATION:	Track area			Approx. 11'	
EQUIPMENT TYPE/SIZE:	Geoprobe Model 7822 DT				

DEPTH	SAMPLE			PID (ppm)	SOIL CLASSIFICATION	REMARKS
FEET	STRATA	SAMPLE #	PEN/REC		COLOR, CONSISTENCY, DESCRIPTION	
				0.0	Dark brown sand	
					some rock, fine brown sand and gravel	
			3'			
5						
				0.0	Brown sand, crushed brick	
					Ash, black cinders	
			3'		fill debris	
10						
				0.0	Crushed brick, fine brown sand mixed with fill debris	
					gravel, trace ash	
			3'			
15						
				0.0	Water, fine gray sand, crushed brick	
					crushed concrete, gravel	
			3'			
20						

GENERAL COMMENTS

VOC grab @ 5'	TIME SAMPLE COLLECTED:	11:30 AM

AES, Inc.

TEST HOLE LOG

CLIENT:	IPC Resiliency Partners	BORING ID:	DEP113
AGENCY:	NYCDDC	PROPOSED DEPTH	20'
DRILLER:	ADT	DATE	9/24/2025
PROJECT ID:	SANDRESM1	PROJECT No.	0897	TIME STARTED:	11:40
ADDRESS :	East Side Coastal Resiliency East River Park, NYC	GEOLOGIST:	Brian Pendergast/Mike Amore	GROUND WATER COMMENTS	
LOCATION:	Track area			Approx. 15'	
EQUIPMENT TYPE/SIZE:	Geoprobe Model 7822 DT				

DEPTH	SAMPLE			PID (ppm)	SOIL CLASSIFICATION	REMARKS
FEET	STRATA	SAMPLE #	PEN/REC		COLOR, CONSISTENCY, DESCRIPTION	
				0.0	Brown sandy loam and grass	
					Fine, light brown sand	
			3'		Crushed brick with fine brown sand and pebbles	
5						
				0.0	Fine brown sand with crushed brick	
					crushed concrete	
			3'		Fine brown sand with gray clay	
10						
				0.0	Crushed brick, fine brown sand	
					crushed concrete, crushed stone	
			3'			
15						
				0.0	Crushed brick, gravel, fine black sand mixed w/ gravel	
					fine gray sand with trace brick and pebbles	
			3'			
20						

GENERAL COMMENTS

VOC grab @ 10'	TIME SAMPLE COLLECTED:	12:45 PM

AES, Inc.

TEST HOLE LOG

CLIENT:	IPC Resiliency Partners	BORING ID:	DEP112
AGENCY:	NYCDDC	PROPOSED DEPTH	20'
DRILLER:	ADT	DATE	9/24/2025
PROJECT ID:	SANDRESM1	PROJECT No.	0897	TIME STARTED:	12:55
ADDRESS :	East Side Coastal Resiliency East River Park, NYC	GEOLOGIST:	Brian Pendergast/Mike Amore	GROUND WATER COMMENTS	
LOCATION:	Track area			Approx. 15'	
EQUIPMENT TYPE/SIZE:	Geoprobe Model 7822 DT				

DEPTH	SAMPLE			PID (ppm)	SOIL CLASSIFICATION	REMARKS
FEET	STRATA	SAMPLE #	PEN/REC		COLOR, CONSISTENCY, DESCRIPTION	
				0.0	Fine light brown/tan sand	
					Fine brown silt	
			3'		Crushed brick	
5						
				0.0	Fine light brown/tan sand	
					Crushed brick and fine brown sand	
			3'		trace ash and cinders	
					fill debris	
10						
				0.0	Fine tan/light brown silt	
					Fine brown sand, crushed brick	
			2.5'		Black cinders	
					Ash, fill debris, brown clay	
15						
				0.0	Black sand mixed with pebbles	
					gravel, crushed brick	
			3'		Black silty clay	
20						

GENERAL COMMENTS

VOC grab @ 6'	TIME SAMPLE COLLECTED:	1:50 PM

AES, Inc.

TEST HOLE LOG

CLIENT:	IPC Resiliency Partners	BORING ID:	DEP111
AGENCY:	NYCDDC	PROPOSED DEPTH	20'
DRILLER:	ADT	DATE	9/25/2025
PROJECT ID:	SANDRESM1	PROJECT No.	0897	TIME STARTED:	2:05
ADDRESS :	East Side Coastal Resiliency East River Park, NYC	GEOLOGIST:	Brian Pendergast/Mike Amore	GROUND WATER COMMENTS	
LOCATION:	Track area			Approx. 15'	
EQUIPMENT TYPE/SIZE:	Geoprobe Model 7822 DT				

DEPTH	SAMPLE			PID (ppm)	SOIL CLASSIFICATION	REMARKS
FEET	STRATA	SAMPLE #	PEN/REC		COLOR, CONSISTENCY, DESCRIPTION	
				0.0	Brown sand, crushed rock	
					Fine brown silty sand	
			3'		Crushed brick	
5						
				0.0	Gray sand, crushed brick	
					Brown sand mixed with crushed brick	
			3'		fill debris	
					ash, cinders	
10						
				0.0	Crushed brick , brown sand, crushed concrete	
					fine gray sand	
			3'			
15					Refusal at 15 feet	

GENERAL COMMENTS

VOC grab @ 10'	TIME SAMPLE COLLECTED:	2:05 PM

AES, Inc.

TEST HOLE LOG

CLIENT:	IPC Resiliency Partners	BORING ID:	DEP110
AGENCY:	NYCDDC	PROPOSED DEPTH	20'
DRILLER:	ADT	DATE	9/25/2025
PROJECT ID:	SANDRESM1	PROJECT No.	0897	TIME STARTED:	8:25
ADDRESS :	East Side Coastal Resiliency East River Park, NYC	GEOLOGIST:	Brian Pendergast/Mike Amore	GROUND WATER COMMENTS	
LOCATION:	Track building			N/A	
EQUIPMENT TYPE/SIZE:	Geoprobe Model 7822 DT				

DEPTH	SAMPLE			PID (ppm)	SOIL CLASSIFICATION	REMARKS
FEET	STRATA	SAMPLE #	PEN/REC		COLOR, CONSISTENCY, DESCRIPTION	
				0.0	Fine brown sand	
					Brown silty clay	
			2'		Crushed brick, trace cinders	
5						
				0.0	Brown sand, crushed brick	
					crushed concrete, rock	
			3'		cinders, fill debris	
					Slight odor, black ash	
10					Refusal 10 feet	

GENERAL COMMENTS

VOC grab @ 4'	TIME SAMPLE COLLECTED:	8:55 AM

AES, Inc.

TEST HOLE LOG

CLIENT:	IPC Resiliency Partners	BORING ID:	DEP109
AGENCY:	NYCDDC	PROPOSED DEPTH	20'
DRILLER:	ADT	DATE	9/25/2025
PROJECT ID:	SANDRESM1	PROJECT No.	0897	TIME STARTED:	9:00
ADDRESS :	East Side Coastal Resiliency East River Park, NYC	GEOLOGIST:	Brian Pendergast/Mike Amore	GROUND WATER COMMENTS	
LOCATION:	Track building			N/A	
EQUIPMENT TYPE/SIZE:	Geoprobe Model 7822 DT				

DEPTH	SAMPLE			PID (ppm)	SOIL CLASSIFICATION	REMARKS
FEET	STRATA	SAMPLE #	PEN/REC		COLOR, CONSISTENCY, DESCRIPTION	
				0.0	Brown sand, black cinders	
					Fine brown silt, brown clay trace brick	
			2'			
5						
				0.0	Crushed brick & concrete	
					Fine brown sand	
			3'		Crushed concrete, brick & cinders	
					Brown/gray silty sand and black cinders	
10					Dark brown silty clay	
					Black and brown sand	
					Wet black silty sand	
			3'		Gray clay and wood	
15					Refusal, 15 ftbg, wood timber or piling	

GENERAL COMMENTS

VOC grab @ 6'	TIME SAMPLE COLLECTED:	9:25 AM

AES, Inc.

TEST HOLE LOG

CLIENT:	IPC Resiliency Partners	BORING ID:	DEP108
AGENCY:	NYCDDC	PROPOSED DEPTH	20'
DRILLER:	ADT	DATE	9/25/2025
PROJECT ID:	SANDRESM1	PROJECT No.	0897	TIME STARTED:	9:45
ADDRESS :	East Side Coastal Resiliency East River Park, NYC	GEOLOGIST:	Brian Pendergast/Mike Amore	GROUND WATER COMMENTS	
LOCATION:	Track building			Approx 12 ft	
EQUIPMENT TYPE/SIZE:	Geoprobe Model 7822 DT				

DEPTH	SAMPLE			PID (ppm)	SOIL CLASSIFICATION	REMARKS
FEET	STRATA	SAMPLE #	PEN/REC		COLOR, CONSISTENCY, DESCRIPTION	
				0.0	Fine brown sand	
					Crushed brick , crushed stone, brown clay	
			2'		White stone	
5						
				48.7	Black cinders	
					Black/brown wood	
			2'		Black cinders, black silt	
10						
					Water, gray sand and gravel	
					Rocks, wet gray silt	
			2'			
15					Refusal, 15 ftbg, building foundation	

GENERAL COMMENTS

VOC grab @ 8'	TIME SAMPLE COLLECTED:	10:20 AM

AES, Inc.

TEST HOLE LOG

CLIENT:	IPC Resiliency Partners	BORING ID:	DEP100
AGENCY:	NYCDDC	PROPOSED DEPTH	20'
DRILLER:	ADT	DATE	9/26/2025
PROJECT ID:	SANDRESM1	PROJECT No.	0897	TIME STARTED:	1:45
ADDRESS :	East Side Coastal Resiliency East River Park, NYC	GEOLOGIST:	Brian Pendergast/Mike Amore	GROUND WATER COMMENTS	
LOCATION:	Track Area			Approx 11 ft	
EQUIPMENT TYPE/SIZE:	Geoprobe Model 7822 DT				

DEPTH	SAMPLE			PID (ppm)	SOIL CLASSIFICATION	REMARKS
FEET	STRATA	SAMPLE #	PEN/REC		COLOR, CONSISTENCY, DESCRIPTION	
				0.0	Brown sand mixed with crushed brick	
					Crushed concrete and rock	
			3'		Black cinders, ash fill debris	
5						
				0.0	Brown sand crushed brick	
					Crushed concrete, crushed rock	
			2'		Black cinders	
10						
				0.0	Water, wet gray sand	
					Wet gray silt	
			3'		Gravel, wet gray clay	
					Wet brown clay	
15						
				0.0	Water, wet gray sand	
					Wet gray silt	
			3'			
20						

GENERAL COMMENTS

VOC grab @ 8'	TIME SAMPLE COLLECTED:	2:16 PM

AES, Inc.

TEST HOLE LOG

CLIENT:	IPC Resiliency Partners	BORING ID:	DEP101
AGENCY:	NYCDDC	PROPOSED DEPTH	20'
DRILLER:	ADT	DATE	9/26/2025
PROJECT ID:	SANDRESM1	PROJECT No.	0897	TIME STARTED:	12:25
ADDRESS :	East Side Coastal Resiliency East River Park, NYC	GEOLOGIST:	Brian Pendergast/Mike Amore	GROUND WATER COMMENTS	
LOCATION:	Track Area			Approx 14 ft	
EQUIPMENT TYPE/SIZE:	Geoprobe Model 7822 DT				

DEPTH	SAMPLE			PID (ppm)	SOIL CLASSIFICATION	REMARKS
FEET	STRATA	SAMPLE #	PEN/REC		COLOR, CONSISTENCY, DESCRIPTION	
				0.0	Brown sandy loam	
					Brown sand, crushed brick	
			1'			
5						
				0.4	Fine brown silty sand	
					Brown sand	
			3'		Black cinders, crushed concrete and brick	
10						
				0.0	Wet crushed brick	
					Wet black sand	
			1'		Wet gray silt, wet brown clay	
14					Refusal at 14 ftbg, concrete slab	

GENERAL COMMENTS

VOC grab @ 5'	TIME SAMPLE COLLECTED:	12:50 PM

AES, Inc.

TEST HOLE LOG

CLIENT:	IPC Resiliency Partners	BORING ID:	DEP102
AGENCY:	NYCDDC	PROPOSED DEPTH	20'
DRILLER:	ADT	DATE	9/26/2025
PROJECT ID:	SANDRESM1	PROJECT No.	0897	TIME STARTED:	9:15
ADDRESS :	East Side Coastal Resiliency East River Park, NYC	GEOLOGIST:	Brian Pendergast/Mike Amore	GROUND WATER COMMENTS	
LOCATION:	Track Area			Approx 11 ft	
EQUIPMENT TYPE/SIZE:	Geoprobe Model 7822 DT				

DEPTH	SAMPLE			PID (ppm)	SOIL CLASSIFICATION	REMARKS
FEET	STRATA	SAMPLE #	PEN/REC		COLOR, CONSISTENCY, DESCRIPTION	
				0.0	Fine gray sand, brown sand	
					Trace brick, black cinders	
			3'			
5						
				0.0	Brown sand, crushed brick	
					Black cinders	
			4'		Gray sand, fill debris	
10						
				1.1	Wet fine brown silty sand	
					Wet gray silt	
			2'			
15						
				3.0	Wet gray sand	
					Wet gray silt, gray clay	
			4'			
20						

GENERAL COMMENTS

VOC grab @ 2'	TIME SAMPLE COLLECTED:	12:20 PM

AES, Inc.

TEST HOLE LOG

CLIENT:	IPC Resiliency Partners	BORING ID:	DEP103
AGENCY:	NYCDDC	PROPOSED DEPTH	20'
DRILLER:	ADT	DATE	9/26/2025
PROJECT ID:	SANDRESM1	PROJECT No.	0897	TIME STARTED:	8:45
ADDRESS :	East Side Coastal Resiliency East River Park, NYC	GEOLOGIST:	Brian Pendergast/Mike Amore	GROUND WATER COMMENTS	
LOCATION:	Track Area			Approx 12 ft	
EQUIPMENT TYPE/SIZE:	Geoprobe Model 7822 DT				

DEPTH	SAMPLE			PID (ppm)	SOIL CLASSIFICATION	REMARKS
FEET	STRATA	SAMPLE #	PEN/REC		COLOR, CONSISTENCY, DESCRIPTION	
				3.5	Gray sand, rock	
					Fine brown sand	
			1'			
5						
				2.9	Gray sand and gravel	
					Brown sand with crushed brick	
			3'		Brown sand with fill debris	
					Cinders, trace ash	
10						
				1.5	Fine brown sand mixed with gravel	
					Wet gray sand mixed with gravel	
			3'		Wet black clay, wood organic material	
15						
				.3	Wet gray and black sand	
					Black sand and silt	
			5'		Black clay with organic matter	
20						

GENERAL COMMENTS

VOC grab @ 8'	TIME SAMPLE COLLECTED:	9:10 AM

AES, Inc.

TEST HOLE LOG

CLIENT:	IPC Resiliency Partners	BORING ID:	DEP104
AGENCY:	NYCDDC	PROPOSED DEPTH	20'
DRILLER:	ADT	DATE	9/26/2025
PROJECT ID:	SANDRESM1	PROJECT No.	0897	TIME STARTED:	8:00
ADDRESS :	East Side Coastal Resiliency East River Park, NYC	GEOLOGIST:	Brian Pendergast/Mike Amore	GROUND WATER COMMENTS	
LOCATION:	Track Area			Approx 11 ft	
EQUIPMENT TYPE/SIZE:	Geoprobe Model 7822 DT				

DEPTH	SAMPLE			PID (ppm)	SOIL CLASSIFICATION	REMARKS
FEET	STRATA	SAMPLE #	PEN/REC		COLOR, CONSISTENCY, DESCRIPTION	
				34.8	Black sand & cinders	
					Fine brown and gray sand	
			4'		Crushed brick	
5						
				26.2	Fine brown and gray sand	
					Crushed brick, brown clay	
			3'		Gravel, fill debris	
					Black cinders	
10						
				7.4	Wet crushed brick and brown sand	
					Wet gray sand	
			2'		Gray clay, black cinders	
15						
				25.1	Wet fine brown sand	
					Crushed brick and concrete	
			3'		Wet gray clay	
					Wet black clay	
20						

GENERAL COMMENTS

VOC grab @ 2'	TIME SAMPLE COLLECTED:	8:40 AM

AES, Inc.

TEST HOLE LOG

CLIENT:	IPC Resiliency Partners	BORING ID:	DEP106		
AGENCY:	NYCDDC	PROPOSED DEPTH	20'		
DRILLER:	ADT	DATE	9/26/2025		
PROJECT ID:	SANDRESM1	PROJECT No.	0897	TIME STARTED:	12:55
ADDRESS :	East Side Coastal Resiliency East River Park, NYC	GEOLOGIST:	Brian Pendergast/Mike Amore	GROUND WATER COMMENTS	
LOCATION:	Track Area			Approx 12 ft	
EQUIPMENT TYPE/SIZE:	Geoprobe Model 7822 DT				

DEPTH	SAMPLE			PID (ppm)	SOIL CLASSIFICATION	REMARKS
FEET	STRATA	SAMPLE #	PEN/REC		COLOR, CONSISTENCY, DESCRIPTION	
				0.0	Fine gray sand	
					Fine brown sand	
			3'		Black cinders, brown sand	
					Brown silty sand	
5						
				0.0	Brown sand	
					Crushed brick and concrete	
			2'		Stone, black cinders, ash	
					Fill debris	
10						
				0.0	Wet brown sand	
					Trace brick and organic matter	
			2'		Gray clay	
15						
				0.0	Water, gravel, rock	
					Gray, wet silty sand	
			2'			
20						

GENERAL COMMENTS

VOC grab @ 12'	TIME SAMPLE COLLECTED:	1:30 PM

AES, Inc.

TEST HOLE LOG

CLIENT:	IPC Resiliency Partners	BORING ID:	DEP107
AGENCY:	NYCDDC	PROPOSED DEPTH	20'
DRILLER:	ADT	DATE	9/26/2025
PROJECT ID:	SANDRESM1	PROJECT No.	0897	TIME STARTED:	2:25
ADDRESS :	East Side Coastal Resiliency East River Park, NYC	GEOLOGIST:	Brian Pendergast/Mike Amore	GROUND WATER COMMENTS	
LOCATION:	Track Area			Approx 12 ft	
EQUIPMENT TYPE/SIZE:	Geoprobe Model 7822 DT				

DEPTH	SAMPLE			PID (ppm)	SOIL CLASSIFICATION	REMARKS
FEET	STRATA	SAMPLE #	PEN/REC		COLOR, CONSISTENCY, DESCRIPTION	
				0.0	Fine brown silty sand	
					Crushed brick, crushed rock, pebbles	
			3'			
5						
				0.0	Fine brown silty sand	
					Pebbles, crushed brick	
			2'		Gravel, wood, black clay, organic matter	
10						
				0.0	Brown sand and gravel	
					Wet black and gray silty sand	
			3'		Wet gray sand with organic matter	
15						
				0.0	Water, wet gray sand	
					Wet gray silt, organic matter	
			3'			
20						

GENERAL COMMENTS

VOC grab @ 7'	TIME SAMPLE COLLECTED:	3:00 PM

APPENDIX B

LABORATORY ANALYSIS

Monday, October 06, 2025

Attn: Mr. Brian Pendergast
American Environmental Solutions, Inc
42 West Avenue
Patchogue, NY 11772

Project ID: **EAST SIDE COASTAL RESILIENCY**
SDG ID: **GCU34990**
Sample ID#s: CU34990 - CU34992

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,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

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

NY # 11301

SDG Comments

October 06, 2025

SDG I.D.: GCU34990

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

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

NY # 11301

Sample Id Cross Reference

October 06, 2025

SDG I.D.: GCU34990

Project ID: EAST SIDE COASTAL RESILIENCY

Client Id	Lab Id	Matrix	Col Date
DEP 114	CU34990	SOIL	09/24/25 11:30
DEP 113	CU34991	SOIL	09/24/25 12:45
DEP 112	CU34992	SOIL	09/24/25 13:50

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

October 06, 2025

FOR: Attn: Mr. Brian Pendergast
American Environmental Solutions, Inc
42 West Avenue
Patchogue, NY 11772

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/24/25	11:30
Location Code:	AES-EASTSIDE	Received by:	SW	09/25/25	17:55
Rush Request:	5 Day	Analyzed by:	see "By" below		
P.O.#:	0897				

Laboratory Data

SDG ID: GCU34990
Phoenix ID: CU34990

Project ID: EAST SIDE COASTAL RESILIENCY
Client ID: DEP 114

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.37	0.37	mg/Kg	1	10/01/25	CPP	SW6010D
Aluminum	5860	5.5	mg/Kg	1	10/01/25	CPP	SW6010D
Arsenic	6.04	0.74	mg/Kg	1	10/01/25	CPP	SW6010D
Barium	131	0.37	mg/Kg	1	10/01/25	CPP	SW6010D
Beryllium	0.31	0.29	mg/Kg	1	10/01/25	CPP	SW6010D
Calcium	57900	55	mg/Kg	10	10/01/25	CPP	SW6010D
Cadmium	0.62	0.37	mg/Kg	1	10/01/25	CPP	SW6010D
Cobalt	5.20	0.37	mg/Kg	1	10/01/25	CPP	SW6010D
Chromium	14.9	0.37	mg/Kg	1	10/01/25	CPP	SW6010D
Copper	52.2	0.7	mg/kg	1	10/01/25	CPP	SW6010D
Iron	18300	5.5	mg/Kg	1	10/01/25	CPP	SW6010D
Mercury	0.255	0.087	mg/Kg	1	09/26/25	ZT	SW7473
Potassium	1310	55	mg/Kg	10	10/01/25	CPP	SW6010D
Magnesium	5330	5.5	mg/Kg	1	10/01/25	CPP	SW6010D
Manganese	292	0.37	mg/Kg	1	10/01/25	TH	SW6010D
Sodium	748	5.5	mg/Kg	1	10/01/25	CPP	SW6010D
Nickel	15.9	0.37	mg/Kg	1	10/01/25	CPP	SW6010D
Lead	1220	0.37	mg/Kg	1	10/01/25	CPP	SW6010D
Antimony	< 3.7	3.7	mg/Kg	1	10/01/25	CPP	SW6010D
Selenium	< 1.5	1.5	mg/Kg	1	10/01/25	CPP	SW6010D
TCLP Silver	< 0.10	0.10	mg/L	1	09/26/25	TH	SW846 1311/6010
TCLP Arsenic	< 0.10	0.10	mg/L	1	09/26/25	TH	SW846 1311/6010
TCLP Barium	1.06	0.10	mg/L	1	09/26/25	TH	SW846 1311/6010
TCLP Cadmium	< 0.050	0.050	mg/L	1	09/26/25	TH	SW846 1311/6010
TCLP Chromium	< 0.10	0.10	mg/L	1	09/26/25	TH	SW846 1311/6010
TCLP Mercury	< 0.0002	0.0002	mg/L	1	09/26/25	AJ1	SW846 1311/7470
TCLP Lead	7.00	0.10	mg/L	1	09/26/25	TH	SW846 1311/6010
TCLP Selenium	< 0.10	0.10	mg/L	1	09/26/25	TH	SW846 1311/6010D

Ver 1

Project ID: EAST SIDE COASTAL RESILIENCY
Client ID: DEP 114

Phoenix I.D.: CU34990

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Thallium	< 3.3	3.3	mg/Kg	1	10/01/25	CPP	SW6010D	
TCLP Metals Digestion	Completed				09/26/25	AK/GW	SW3010A	
Vanadium	28.7	0.37	mg/Kg	1	10/01/25	CPP	SW6010D	
Zinc	274	0.7	mg/Kg	1	10/01/25	CPP	SW6010D	
Percent Solid	86		%		09/25/25	CV	SW846-%Solid	
Corrosivity	Negative		Pos/Neg	1	09/25/25	KG	SW846-Corr	1
Flash Point	>200	200	Degree F	1	09/29/25	G	SW1010B	
Chromium, Hex. (SW3060A digestion	< 0.43	0.43	mg/Kg	1	09/29/25	NP	SW7196A	
Ignitability	Passed	140	degree F	1	09/29/25	G	SW846-Ignit	1
pH at 22C - Soil	7.89	1.00	pH Units	1	09/25/25 23:52	KG	SW846 9045D	
Reactivity Cyanide	< 6	6	mg/Kg	1	09/30/25	NP/GD	SW846 7.3.3.1/90	1
Reactivity Sulfide	< 20	20	mg/Kg	1	09/30/25	NP/GD	SW846 CH7	1
Reactivity	Negative		Pos/Neg	1	09/30/25	NP/GD	SW846-React	1
Redox Potential	294		mV	1	09/25/25	KG	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	< 0.58	0.58	mg/Kg	1	09/29/25	A/GD	SW9012B	
Extraction of NY ETPH	Completed				09/25/25	S/Q	SW3546	
Soil Extraction for Herbicide	Completed				09/28/25	Y/D	SW3546	
NJ EPH Extraction	Completed				10/01/25	C/U	NJDEP 10-08 R3	
Soil Extraction for PCB	Completed				10/01/25	S	SW3546	
Soil Extraction for Pesticides	Completed				10/01/25	S/Z	SW3546	
Soil Extraction for SVOA	Completed				10/01/25	ND/C/Z	SW3546	
TCLP Digestion Mercury	Completed				09/26/25	AK/GW	SW7470A	
TCLP Herbicides Extraction	Completed				09/29/25	CV/D	SW8150 MOD	
TCLP Extraction for Metals	Completed				09/25/25	AK	SW1311	
TCLP Extraction for Organics	Completed				09/25/25	AK	SW1311	
TCLP Pesticides Extraction	Completed				09/29/25	J/T/T	SW3510C	
TCLP Semi-Volatile Extraction	Completed				09/26/25	T/T	SW3510C	
TCLP Extraction Volatiles	Completed				09/25/25	CV	SW1311	
Total Metals Digest	Completed				09/28/25	N/AG	SW3050B	
NJ EPH Category 1 (Fuel #2/Diesel)								
>C28-C40	19	9.1	mg/kg	1	10/02/25	JRB	NJEPH 10-08 R3	1
C9-C28	220	18	mg/kg	1	10/02/25	JRB	NJEPH 10-08 R3	1
Total EPH	239	9.1	mg/kg	1	10/02/25	JRB	NJEPH 10-08 R3	1
QA/QC Surrogates								
% COD (surr)	55		%	1	10/02/25	JRB	40 - 140 %	
% Terphenyl (surr)	97		%	1	10/02/25	JRB	40 - 140 %	
Gasoline Range Hydrocarbons (C6-C10)								
GRO (C6-C10)	ND	7.2	mg/Kg	50	09/30/25	V	SW8015D GRO	
QA/QC Surrogates								
% 2,5-Dibromotoluene (FID)	118		%	50	09/30/25	V	70 - 130 %	
Chlorinated Herbicides								
2,4,5-T	ND	140	ug/Kg	10	09/29/25	JRB	SW8151A	
2,4,5-TP (Silvex)	ND	140	ug/Kg	10	09/29/25	JRB	SW8151A	
2,4-D	ND	290	ug/Kg	10	09/29/25	JRB	SW8151A	
2,4-DB	ND	1400	ug/Kg	10	09/29/25	JRB	SW8151A	
Dalapon	ND	140	ug/Kg	10	09/29/25	JRB	SW8151A	

Ver 1

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Dicamba	ND	140	ug/Kg	10	09/29/25	JRB	SW8151A
Dichloroprop	ND	290	ug/Kg	10	09/29/25	JRB	SW8151A
Dinoseb	ND	290	ug/Kg	10	09/29/25	JRB	SW8151A
QA/QC Surrogates							
% DCAA	72		%	10	09/29/25	JRB	30 - 150 %
% DCAA (Confirmation)	68		%	10	09/29/25	JRB	30 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	76	ug/Kg	2	10/01/25	SC	SW8082A
PCB-1221	ND	76	ug/Kg	2	10/01/25	SC	SW8082A
PCB-1232	ND	76	ug/Kg	2	10/01/25	SC	SW8082A
PCB-1242	ND	76	ug/Kg	2	10/01/25	SC	SW8082A
PCB-1248	ND	76	ug/Kg	2	10/01/25	SC	SW8082A
PCB-1254	ND	76	ug/Kg	2	10/01/25	SC	SW8082A
PCB-1260	ND	76	ug/Kg	2	10/01/25	SC	SW8082A
PCB-1262	ND	76	ug/Kg	2	10/01/25	SC	SW8082A
PCB-1268	ND	76	ug/Kg	2	10/01/25	SC	SW8082A
QA/QC Surrogates							
% DCBP	77		%	2	10/01/25	SC	30 - 150 %
% DCBP (Confirmation)	62		%	2	10/01/25	SC	30 - 150 %
% TCMX	70		%	2	10/01/25	SC	30 - 150 %
% TCMX (Confirmation)	63		%	2	10/01/25	SC	30 - 150 %
Pesticides - Soil							
4,4' -DDD	7.6	2.3	ug/Kg	2	10/02/25	AW	SW8081B
4,4' -DDE	ND	2.3	ug/Kg	2	10/02/25	AW	SW8081B
4,4' -DDT	ND	2.3	ug/Kg	2	10/02/25	AW	SW8081B
a-BHC	ND	7.6	ug/Kg	2	10/02/25	AW	SW8081B
a-Chlordane	ND	3.8	ug/Kg	2	10/02/25	AW	SW8081B
Aldrin	ND	3.8	ug/Kg	2	10/02/25	AW	SW8081B
b-BHC	ND	36	ug/Kg	2	10/02/25	AW	SW8081B
Chlordane	ND	38	ug/Kg	2	10/02/25	AW	SW8081B
d-BHC	ND	7.6	ug/Kg	2	10/02/25	AW	SW8081B
Dieldrin	ND	5.0	ug/Kg	2	10/02/25	AW	SW8081B
Endosulfan I	ND	7.6	ug/Kg	2	10/02/25	AW	SW8081B
Endosulfan II	ND	7.6	ug/Kg	2	10/02/25	AW	SW8081B
Endosulfan sulfate	ND	7.6	ug/Kg	2	10/02/25	AW	SW8081B
Endrin	ND	7.6	ug/Kg	2	10/02/25	AW	SW8081B
Endrin aldehyde	ND	7.6	ug/Kg	2	10/02/25	AW	SW8081B
Endrin ketone	ND	7.6	ug/Kg	2	10/02/25	AW	SW8081B
g-BHC	ND	1.5	ug/Kg	2	10/02/25	AW	SW8081B
g-Chlordane	ND	3.8	ug/Kg	2	10/02/25	AW	SW8081B
Heptachlor	ND	7.6	ug/Kg	2	10/02/25	AW	SW8081B
Heptachlor epoxide	ND	7.6	ug/Kg	2	10/02/25	AW	SW8081B
Methoxychlor	ND	38	ug/Kg	2	10/02/25	AW	SW8081B
Toxaphene	ND	150	ug/Kg	2	10/02/25	AW	SW8081B
QA/QC Surrogates							
% DCBP	50		%	2	10/02/25	AW	30 - 150 %
% DCBP (Confirmation)	61		%	2	10/02/25	AW	30 - 150 %
% TCMX	43		%	2	10/02/25	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
% TCMX (Confirmation)	44		%	2	10/02/25	AW	30 - 150 %	
TCLP Herbicides								
2,4,5-TP (Silvex)	ND	50	ug/L	10	09/30/25	JRB	SW846 1311/8151	
2,4-D	ND	100	ug/L	10	09/30/25	JRB	SW846 1311/8151	
QA/QC Surrogates								
% DCAA	56		%	10	09/30/25	JRB	30 - 150 %	
% DCAA (Confirmation)	68		%	10	09/30/25	JRB	30 - 150 %	
TCLP Pesticides								
4,4' -DDD	ND	1.0	ug/L	10	09/30/25	AW	SW8081B	
4,4' -DDE	ND	1.0	ug/L	10	09/30/25	AW	SW8081B	
4,4' -DDT	ND	1.0	ug/L	10	09/30/25	AW	SW8081B	
a-BHC	ND	0.50	ug/L	10	09/30/25	AW	SW8081B	
Alachlor	ND	0.50	ug/L	10	09/30/25	AW	SW8081B	1
Aldrin	ND	0.50	ug/L	10	09/30/25	AW	SW8081B	
b-BHC	ND	0.50	ug/L	10	09/30/25	AW	SW8081B	
Chlordane	ND	5.0	ug/L	10	09/30/25	AW	SW8081B	
d-BHC	ND	0.50	ug/L	10	09/30/25	AW	SW8081B	
Dieldrin	ND	1.0	ug/L	10	09/30/25	AW	SW8081B	
Endosulfan I	ND	0.50	ug/L	10	09/30/25	AW	SW8081B	
Endosulfan II	ND	1.0	ug/L	10	09/30/25	AW	SW8081B	
Endosulfan Sulfate	ND	1.0	ug/L	10	09/30/25	AW	SW8081B	
Endrin	ND	1.0	ug/L	10	09/30/25	AW	SW8081B	
Endrin Aldehyde	ND	1.0	ug/L	10	09/30/25	AW	SW8081B	
g-BHC (Lindane)	ND	0.50	ug/L	10	09/30/25	AW	SW8081B	
Heptachlor	ND	0.50	ug/L	10	09/30/25	AW	SW8081B	
Heptachlor epoxide	ND	0.50	ug/L	10	09/30/25	AW	SW8081B	
Methoxychlor	ND	0.50	ug/L	10	09/30/25	AW	SW8081B	
Toxaphene	ND	20	ug/L	10	09/30/25	AW	SW8081B	
QA/QC Surrogates								
%DCBP (Surrogate Rec)	73		%	10	09/30/25	AW	30 - 150 %	
%DCBP (Surrogate Rec) (Confirmation)	56		%	10	09/30/25	AW	30 - 150 %	
%TCMX (Surrogate Rec)	50		%	10	09/30/25	AW	30 - 150 %	
%TCMX (Surrogate Rec) (Confirmation)	53		%	10	09/30/25	AW	30 - 150 %	
TPH DRO (C10-C28)								
Diesel Range Organics (C10-C28)	2000	280	mg/Kg	5	09/27/25	JRB	SW8015D DRO	
QA/QC Surrogates								
% Terphenyl-d14	109		%	5	09/27/25	JRB	50 - 150 %	
% Tricosane(C23)	61		%	5	09/27/25	JRB	50 - 150 %	
Volatiles (TCL)								
1,1,1-Trichloroethane	ND	8.5	ug/kg	1	09/28/25	JLI	SW8260D	
1,1,2,2-Tetrachloroethane	ND	8.5	ug/kg	1	09/28/25	JLI	SW8260D	
1,1,2-Trichloroethane	ND	8.5	ug/kg	1	09/28/25	JLI	SW8260D	
1,1-Dichloroethane	ND	8.5	ug/kg	1	09/28/25	JLI	SW8260D	
1,1-Dichloroethene	ND	8.5	ug/kg	1	09/28/25	JLI	SW8260D	
1,2,3-Trichlorobenzene	ND	8.5	ug/kg	1	09/28/25	JLI	SW8260D	
1,2,4-Trichlorobenzene	ND	8.5	ug/kg	1	09/28/25	JLI	SW8260D	

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,2,4-Trimethylbenzene	ND	8.5	ug/kg	1	09/28/25	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	8.5	ug/kg	1	09/28/25	JLI	SW8260D
1,2-Dibromoethane	ND	8.5	ug/kg	1	09/28/25	JLI	SW8260D
1,2-Dichlorobenzene	ND	8.5	ug/kg	1	09/28/25	JLI	SW8260D
1,2-Dichloroethane	ND	8.5	ug/kg	1	09/28/25	JLI	SW8260D
1,2-Dichloropropane	ND	8.5	ug/kg	1	09/28/25	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	8.5	ug/kg	1	09/28/25	JLI	SW8260D
1,3-Dichlorobenzene	ND	8.5	ug/kg	1	09/28/25	JLI	SW8260D
1,4-Dichlorobenzene	ND	8.5	ug/kg	1	09/28/25	JLI	SW8260D
2-Hexanone	ND	43	ug/kg	1	09/28/25	JLI	SW8260D
4-Methyl-2-pentanone	ND	43	ug/kg	1	09/28/25	JLI	SW8260D
Acetone	ND	50	ug/kg	1	09/28/25	JLI	SW8260D
Benzene	ND	8.5	ug/kg	1	09/28/25	JLI	SW8260D
Bromochloromethane	ND	8.5	ug/kg	1	09/28/25	JLI	SW8260D
Bromodichloromethane	ND	8.5	ug/kg	1	09/28/25	JLI	SW8260D
Bromoform	ND	8.5	ug/kg	1	09/28/25	JLI	SW8260D
Bromomethane	ND	8.5	ug/kg	1	09/28/25	JLI	SW8260D
Carbon Disulfide	ND	8.5	ug/kg	1	09/28/25	JLI	SW8260D
Carbon tetrachloride	ND	8.5	ug/kg	1	09/28/25	JLI	SW8260D
Chlorobenzene	ND	8.5	ug/kg	1	09/28/25	JLI	SW8260D
Chloroethane	ND	8.5	ug/kg	1	09/28/25	JLI	SW8260D
Chloroform	ND	8.5	ug/kg	1	09/28/25	JLI	SW8260D
Chloromethane	ND	8.5	ug/kg	1	09/28/25	JLI	SW8260D
cis-1,2-Dichloroethene	ND	8.5	ug/kg	1	09/28/25	JLI	SW8260D
cis-1,3-Dichloropropene	ND	8.5	ug/kg	1	09/28/25	JLI	SW8260D
Cyclohexane	ND	8.5	ug/kg	1	09/28/25	JLI	SW8260D
Dibromochloromethane	ND	8.5	ug/kg	1	09/28/25	JLI	SW8260D
Dichlorodifluoromethane	ND	8.5	ug/kg	1	09/28/25	JLI	SW8260D
Ethylbenzene	ND	8.5	ug/kg	1	09/28/25	JLI	SW8260D
Isopropylbenzene	ND	8.5	ug/kg	1	09/28/25	JLI	SW8260D
m&p-Xylene	ND	8.5	ug/kg	1	09/28/25	JLI	SW8260D
Methyl ethyl ketone	ND	51	ug/kg	1	09/28/25	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	17	ug/kg	1	09/28/25	JLI	SW8260D
Methylacetate	ND	85	ug/kg	1	09/28/25	JLI	SW8260D
Methylcyclohexane	ND	8.5	ug/kg	1	09/28/25	JLI	SW8260D
Methylene chloride	ND	43	ug/kg	1	09/28/25	JLI	SW8260D
o-Xylene	ND	8.5	ug/kg	1	09/28/25	JLI	SW8260D
Styrene	ND	8.5	ug/kg	1	09/28/25	JLI	SW8260D
Tetrachloroethene	ND	8.5	ug/kg	1	09/28/25	JLI	SW8260D
Toluene	ND	8.5	ug/kg	1	09/28/25	JLI	SW8260D
Total Xylenes	ND	8.5	ug/kg	1	09/28/25	JLI	SW8260D
trans-1,2-Dichloroethene	ND	8.5	ug/kg	1	09/28/25	JLI	SW8260D
trans-1,3-Dichloropropene	ND	8.5	ug/kg	1	09/28/25	JLI	SW8260D
Trichloroethene	ND	8.5	ug/kg	1	09/28/25	JLI	SW8260D
Trichlorofluoromethane	ND	8.5	ug/kg	1	09/28/25	JLI	SW8260D
Trichlorotrifluoroethane	ND	8.5	ug/kg	1	09/28/25	JLI	SW8260D
Vinyl chloride	ND	8.5	ug/kg	1	09/28/25	JLI	SW8260D
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	98		%	1	09/28/25	JLI	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Bromofluorobenzene	93		%	1	09/28/25	JLI	70 - 130 %
% Dibromofluoromethane	102		%	1	09/28/25	JLI	70 - 130 %
% Toluene-d8	88		%	1	09/28/25	JLI	70 - 130 %
1,4-dioxane							
1,4-dioxane	ND	100	ug/kg	1	09/28/25	JLI	SW8260D
Volatiles							
1,2,3-Trichloropropane	ND	8.5	ug/Kg	1	09/28/25	JLI	SW8260D
1,2,4-Trimethylbenzene	ND	8.5	ug/Kg	1	09/28/25	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	8.5	ug/Kg	1	09/28/25	JLI	SW8260D
1,3-Dichloropropane	ND	8.5	ug/Kg	1	09/28/25	JLI	SW8260D
n-Butylbenzene	ND	8.5	ug/Kg	1	09/28/25	JLI	SW8260D
n-Propylbenzene	ND	8.5	ug/Kg	1	09/28/25	JLI	SW8260D
p-Isopropyltoluene	ND	8.5	ug/Kg	1	09/28/25	JLI	SW8260D
sec-Butylbenzene	ND	8.5	ug/Kg	1	09/28/25	JLI	SW8260D
tert-Butylbenzene	ND	8.5	ug/Kg	1	09/28/25	JLI	SW8260D
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	98		%	1	09/28/25	JLI	70 - 130 %
% Bromofluorobenzene	93		%	1	09/28/25	JLI	70 - 130 %
% Dibromofluoromethane	102		%	1	09/28/25	JLI	70 - 130 %
% Toluene-d8	88		%	1	09/28/25	JLI	70 - 130 %
TCLP Volatiles							
1,1-Dichloroethene	ND	50	ug/L	10	09/26/25	V	SW846 1311/8260
1,2-Dichloroethane	ND	50	ug/L	10	09/26/25	V	SW846 1311/8260
1,4-Dichlorobenzene	ND	50	ug/L	10	09/26/25	V	SW846 1311/8260
Benzene	ND	50	ug/L	10	09/26/25	V	SW846 1311/8260
Carbon tetrachloride	ND	50	ug/L	10	09/26/25	V	SW846 1311/8260
Chlorobenzene	ND	50	ug/L	10	09/26/25	V	SW846 1311/8260
Chloroform	ND	50	ug/L	10	09/26/25	V	SW846 1311/8260
Methyl ethyl ketone	ND	50	ug/L	10	09/26/25	V	SW846 1311/8260
Tetrachloroethene	ND	50	ug/L	10	09/26/25	V	SW846 1311/8260
Trichloroethene	ND	50	ug/L	10	09/26/25	V	SW846 1311/8260
Vinyl chloride	ND	50	ug/L	10	09/26/25	V	SW846 1311/8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4 (10x)	99		%	10	09/26/25	V	70 - 130 %
% Bromofluorobenzene (10x)	94		%	10	09/26/25	V	70 - 130 %
% Dibromofluoromethane (10x)	100		%	10	09/26/25	V	70 - 130 %
% Toluene-d8 (10x)	95		%	10	09/26/25	V	70 - 130 %
Volatile Library Search	Completed				09/29/25	JLI	
Semivolatiles							
1,1-Biphenyl	ND	2700	ug/Kg	10	10/02/25	PS	SW8270E
1,2,4,5-Tetrachlorobenzene	ND	2700	ug/Kg	10	10/02/25	PS	SW8270E
2,2'-Oxybis(1-Chloropropane)	ND	2700	ug/Kg	10	10/02/25	PS	SW8270E 1
2,3,4,6-tetrachlorophenol	ND	2700	ug/Kg	10	10/02/25	PS	SW8270E
2,4,5-Trichlorophenol	ND	2700	ug/Kg	10	10/02/25	PS	SW8270E
2,4,6-Trichlorophenol	ND	2700	ug/Kg	10	10/02/25	PS	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
2,4-Dichlorophenol	ND	2700	ug/Kg	10	10/02/25	PS	SW8270E	
2,4-Dimethylphenol	ND	2700	ug/Kg	10	10/02/25	PS	SW8270E	
2,4-Dinitrophenol	ND	6100	ug/Kg	10	10/02/25	PS	SW8270E	
2,4-Dinitrotoluene	ND	2700	ug/Kg	10	10/02/25	PS	SW8270E	
2,6-Dinitrotoluene	ND	2700	ug/Kg	10	10/02/25	PS	SW8270E	
2-Chloronaphthalene	ND	2700	ug/Kg	10	10/02/25	PS	SW8270E	
2-Chlorophenol	ND	2700	ug/Kg	10	10/02/25	PS	SW8270E	
2-Methylnaphthalene	3500	2700	ug/Kg	10	10/02/25	PS	SW8270E	
2-Methylphenol (o-cresol)	ND	330	ug/Kg	10	10/02/25	PS	SW8270E	
2-Nitroaniline	ND	6100	ug/Kg	10	10/02/25	PS	SW8270E	
2-Nitrophenol	ND	2700	ug/Kg	10	10/02/25	PS	SW8270E	
3&4-Methylphenol (m&p-cresol)	ND	330	ug/Kg	10	10/02/25	PS	SW8270E	1
3,3'-Dichlorobenzidine	ND	4600	ug/Kg	10	10/02/25	PS	SW8270E	
3-Nitroaniline	ND	6100	ug/Kg	10	10/02/25	PS	SW8270E	
4,6-Dinitro-2-methylphenol	ND	11000	ug/Kg	10	10/02/25	PS	SW8270E	
4-Bromophenyl phenyl ether	ND	3800	ug/Kg	10	10/02/25	PS	SW8270E	
4-Chloro-3-methylphenol	ND	2700	ug/Kg	10	10/02/25	PS	SW8270E	
4-Chloroaniline	ND	2700	ug/Kg	10	10/02/25	PS	SW8270E	
4-Chlorophenyl phenyl ether	ND	2700	ug/Kg	10	10/02/25	PS	SW8270E	
4-Nitroaniline	ND	6100	ug/Kg	10	10/02/25	PS	SW8270E	
4-Nitrophenol	ND	11000	ug/Kg	10	10/02/25	PS	SW8270E	
Acenaphthene	ND	2700	ug/Kg	10	10/02/25	PS	SW8270E	
Acenaphthylene	4400	2700	ug/Kg	10	10/02/25	PS	SW8270E	
Acetophenone	ND	2700	ug/Kg	10	10/02/25	PS	SW8270E	
Anthracene	6200	2700	ug/Kg	10	10/02/25	PS	SW8270E	
Atrazine	ND	2700	ug/Kg	10	10/02/25	PS	SW8270E	
Benz(a)anthracene	10000	2700	ug/Kg	10	10/02/25	PS	SW8270E	
Benzaldehyde	ND	2700	ug/Kg	10	10/02/25	PS	SW8270E	
Benzo(a)pyrene	11000	2700	ug/Kg	10	10/02/25	PS	SW8270E	
Benzo(b)fluoranthene	12000	2700	ug/Kg	10	10/02/25	PS	SW8270E	
Benzo(ghi)perylene	6900	2700	ug/Kg	10	10/02/25	PS	SW8270E	
Benzo(k)fluoranthene	4100	2700	ug/Kg	10	10/02/25	PS	SW8270E	
Benzyl butyl phthalate	ND	2700	ug/Kg	10	10/02/25	PS	SW8270E	
Bis(2-chloroethoxy)methane	ND	2700	ug/Kg	10	10/02/25	PS	SW8270E	
Bis(2-chloroethyl)ether	ND	3800	ug/Kg	10	10/02/25	PS	SW8270E	
Bis(2-ethylhexyl)phthalate	ND	2700	ug/Kg	10	10/02/25	PS	SW8270E	
Caprolactam	ND	2700	ug/Kg	10	10/02/25	PS	SW8270E	
Carbazole	ND	3800	ug/Kg	10	10/02/25	PS	SW8270E	
Chrysene	8000	2700	ug/Kg	10	10/02/25	PS	SW8270E	
Dibenz(a,h)anthracene	1400	380	ug/Kg	10	10/02/25	PS	SW8270E	
Dibenzofuran	ND	2700	ug/Kg	10	10/02/25	PS	SW8270E	
Diethyl phthalate	ND	2700	ug/Kg	10	10/02/25	PS	SW8270E	
Dimethylphthalate	ND	2700	ug/Kg	10	10/02/25	PS	SW8270E	
Di-n-butylphthalate	ND	7600	ug/Kg	10	10/02/25	PS	SW8270E	
Di-n-octylphthalate	ND	2700	ug/Kg	10	10/02/25	PS	SW8270E	
Fluoranthene	22000	2700	ug/Kg	10	10/02/25	PS	SW8270E	
Fluorene	4400	2700	ug/Kg	10	10/02/25	PS	SW8270E	
Hexachlorobenzene	ND	330	ug/Kg	10	10/02/25	PS	SW8270E	
Hexachlorobutadiene	ND	2700	ug/Kg	10	10/02/25	PS	SW8270E	

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Hexachlorocyclopentadiene	ND	2700	ug/Kg	10	10/02/25	PS	SW8270E
Hexachloroethane	ND	2700	ug/Kg	10	10/02/25	PS	SW8270E
Indeno(1,2,3-cd)pyrene	7000	2700	ug/Kg	10	10/02/25	PS	SW8270E
Isophorone	ND	2700	ug/Kg	10	10/02/25	PS	SW8270E
Naphthalene	11000	2700	ug/Kg	10	10/02/25	PS	SW8270E
Nitrobenzene	ND	2700	ug/Kg	10	10/02/25	PS	SW8270E
N-Nitrosodimethylamine	ND	3800	ug/Kg	10	10/02/25	PS	SW8270E
N-Nitrosodi-n-propylamine	ND	1900	ug/Kg	10	10/02/25	PS	SW8270E
N-Nitrosodiphenylamine	ND	3800	ug/Kg	10	10/02/25	PS	SW8270E
Pentachlorophenol	ND	800	ug/Kg	10	10/02/25	PS	SW8270E
Phenanthrene	21000	2700	ug/Kg	10	10/02/25	PS	SW8270E
Phenol	ND	330	ug/Kg	10	10/02/25	PS	SW8270E
Pyrene	26000	2700	ug/Kg	10	10/02/25	PS	SW8270E
QA/QC Surrogates							
% 2,4,6-Tribromophenol (10x)	90		%	10	10/02/25	PS	30 - 130 %
% 2-Fluorobiphenyl (10x)	72		%	10	10/02/25	PS	30 - 130 %
% 2-Fluorophenol (10x)	70		%	10	10/02/25	PS	30 - 130 %
% Nitrobenzene-d5 (10x)	66		%	10	10/02/25	PS	30 - 130 %
% Phenol-d5 (10x)	71		%	10	10/02/25	PS	30 - 130 %
% Terphenyl-d14 (10x)	74		%	10	10/02/25	PS	30 - 130 %

TCLP Acid/Base-Neutral

1,4-Dichlorobenzene	ND	83	ug/L	1	09/27/25	MR	SW-846 1311/8270
2,4,5-Trichlorophenol	ND	83	ug/L	1	09/27/25	MR	SW-846 1311/8270
2,4,6-Trichlorophenol	ND	83	ug/L	1	09/27/25	MR	SW-846 1311/8270
2,4-Dinitrotoluene	ND	83	ug/L	1	09/27/25	MR	SW-846 1311/8270
2-Methylphenol (o-cresol)	ND	83	ug/L	1	09/27/25	MR	SW-846 1311/8270
3&4-Methylphenol (m&p-Cresol)	ND	83	ug/L	1	09/27/25	MR	SW-846 1311/8270
Hexachlorobenzene	ND	83	ug/L	1	09/27/25	MR	SW-846 1311/8270
Hexachlorobutadiene	ND	83	ug/L	1	09/27/25	MR	SW-846 1311/8270
Hexachloroethane	ND	83	ug/L	1	09/27/25	MR	SW-846 1311/8270
Nitrobenzene	ND	83	ug/L	1	09/27/25	MR	SW-846 1311/8270
Pentachlorophenol	ND	83	ug/L	1	09/27/25	MR	SW-846 1311/8270
Pyridine	ND	83	ug/L	1	09/27/25	MR	SW-846 1311/8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	104		%	1	09/27/25	MR	15 - 110 %
% 2-Fluorobiphenyl	69		%	1	09/27/25	MR	30 - 130 %
% 2-Fluorophenol	68		%	1	09/27/25	MR	15 - 110 %
% Nitrobenzene-d5	82		%	1	09/27/25	MR	30 - 130 %
% Phenol-d5	64		%	1	09/27/25	MR	15 - 110 %
% Terphenyl-d14	85		%	1	09/27/25	MR	30 - 130 %
Semivolatile Library Search	Completed				10/02/25	MR	

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

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

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

Comments:

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.

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.

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.

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

October 06, 2025

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

October 06, 2025

FOR: Attn: Mr. Brian Pendergast
American Environmental Solutions, Inc
42 West Avenue
Patchogue, NY 11772

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/24/25	12:45
Location Code:	AES-EASTSIDE	Received by:	SW	09/25/25	17:55
Rush Request:	5 Day	Analyzed by:	see "By" below		
P.O.#:	0897				

Laboratory Data

SDG ID: GCU34990
Phoenix ID: CU34991

Project ID: EAST SIDE COASTAL RESILIENCY
Client ID: DEP 113

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.37	0.37	mg/Kg	1	10/01/25	CPP	SW6010D
Aluminum	7820	55	mg/Kg	10	10/01/25	CPP	SW6010D
Arsenic	3.98	0.73	mg/Kg	1	10/01/25	CPP	SW6010D
Barium	150	3.7	mg/Kg	10	10/01/25	CPP	SW6010D
Beryllium	0.44	0.29	mg/Kg	1	10/01/25	CPP	SW6010D
Calcium	39800	55	mg/Kg	10	10/01/25	CPP	SW6010D
Cadmium	0.73	0.37	mg/Kg	1	10/01/25	CPP	SW6010D
Cobalt	5.88	0.37	mg/Kg	1	10/01/25	CPP	SW6010D
Chromium	18.7	0.37	mg/Kg	1	10/01/25	CPP	SW6010D
Copper	29.6	0.7	mg/kg	1	10/01/25	CPP	SW6010D
Iron	14900	5.5	mg/Kg	1	10/01/25	CPP	SW6010D
Mercury	0.603	0.093	mg/Kg	1	09/26/25	ZT	SW7473
Potassium	1760	55	mg/Kg	10	10/01/25	CPP	SW6010D
Magnesium	17700	5.5	mg/Kg	1	10/01/25	CPP	SW6010D
Manganese	311	0.37	mg/Kg	1	10/01/25	TH	SW6010D
Sodium	419	5.5	mg/Kg	1	10/01/25	CPP	SW6010D
Nickel	18.1	0.37	mg/Kg	1	10/01/25	CPP	SW6010D
Lead	308	0.37	mg/Kg	1	10/01/25	CPP	SW6010D
Antimony	< 3.7	3.7	mg/Kg	1	10/01/25	CPP	SW6010D
Selenium	< 1.5	1.5	mg/Kg	1	10/01/25	CPP	SW6010D
TCLP Silver	< 0.10	0.10	mg/L	1	09/26/25	TH	SW846 1311/6010
TCLP Arsenic	< 0.10	0.10	mg/L	1	09/26/25	TH	SW846 1311/6010
TCLP Barium	1.24	0.10	mg/L	1	09/26/25	TH	SW846 1311/6010
TCLP Cadmium	< 0.050	0.050	mg/L	1	09/26/25	TH	SW846 1311/6010
TCLP Chromium	< 0.10	0.10	mg/L	1	09/26/25	TH	SW846 1311/6010
TCLP Mercury	< 0.0002	0.0002	mg/L	1	09/26/25	AJ1	SW846 1311/7470
TCLP Lead	0.38	0.10	mg/L	1	09/26/25	TH	SW846 1311/6010
TCLP Selenium	< 0.10	0.10	mg/L	1	09/26/25	TH	SW846 1311/6010D

Ver 1

Project ID: EAST SIDE COASTAL RESILIENCY
Client ID: DEP 113

Phoenix I.D.: CU34991

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Thallium	< 3.3	3.3	mg/Kg	1	10/01/25	CPP	SW6010D	
TCLP Metals Digestion	Completed				09/26/25	AK/GW	SW3010A	
Vanadium	28.9	0.37	mg/Kg	1	10/01/25	CPP	SW6010D	
Zinc	317	0.7	mg/Kg	1	10/01/25	CPP	SW6010D	
Percent Solid	81		%		09/25/25	CV	SW846-%Solid	
Corrosivity	Positive		Pos/Neg	1	09/25/25	KG	SW846-Corr	1
Flash Point	>200	200	Degree F	1	09/29/25	G	SW1010B	
Chromium, Hex. (SW3060A digestion	< 0.44	0.44	mg/Kg	1	09/29/25	NP	SW7196A	
Ignitability	Passed	140	degree F	1	09/29/25	G	SW846-Ignit	1
pH at 22C - Soil	12.5	1.00	pH Units	1	09/25/25 23:52	KG	SW846 9045D	
Reactivity Cyanide	< 6	6	mg/Kg	1	10/01/25	IH/GD	SW846 7.3.3.1/90	1
Reactivity Sulfide	< 20	20	mg/Kg	1	10/01/25	IH/GD	SW846 CH7	1
Reactivity	Negative		Pos/Neg	1	10/01/25	IH/GD	SW846-React	1
Redox Potential	2.5		mV	1	09/25/25	KG	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	< 0.62	0.62	mg/Kg	1	09/29/25	A/GD	SW9012B	
Extraction of NY ETPH	Completed				09/25/25	S/Q	SW3546	
Soil Extraction for Herbicide	Completed				09/28/25	Y/D	SW3546	
NJ EPH Extraction	Completed				10/01/25	C/U	NJDEP 10-08 R3	
Soil Extraction for PCB	Completed				10/01/25	S	SW3546	
Soil Extraction for Pesticides	Completed				10/01/25	S/Z	SW3546	
Soil Extraction for SVOA	Completed				10/01/25	ND/C/Z	SW3546	
TCLP Digestion Mercury	Completed				09/26/25	AK/GW	SW7470A	
TCLP Herbicides Extraction	Completed				09/29/25	CV/D	SW8150 MOD	
TCLP Extraction for Metals	Completed				09/25/25	AK	SW1311	
TCLP Extraction for Organics	Completed				09/25/25	AK	SW1311	
TCLP Pesticides Extraction	Completed				09/29/25	J/T/T	SW3510C	
TCLP Semi-Volatile Extraction	Completed				09/26/25	T/T	SW3510C	
TCLP Extraction Volatiles	Completed				09/25/25	CV	SW1311	
Total Metals Digest	Completed				09/28/25	N/AG	SW3050B	
NJ EPH Category 1 (Fuel #2/Diesel)								
>C28-C40	14	9.9	mg/kg	1	10/02/25	JRB	NJEPH 10-08 R3	1
C9-C28	63	20	mg/kg	1	10/02/25	JRB	NJEPH 10-08 R3	1
Total EPH	77.0	9.9	mg/kg	1	10/02/25	JRB	NJEPH 10-08 R3	1
QA/QC Surrogates								
% COD (surr)	77		%	1	10/02/25	JRB	40 - 140 %	
% Terphenyl (surr)	119		%	1	10/02/25	JRB	40 - 140 %	
Gasoline Range Hydrocarbons (C6-C10)								
GRO (C6-C10)	ND	8.5	mg/Kg	50	09/30/25	V	SW8015D GRO	
QA/QC Surrogates								
% 2,5-Dibromotoluene (FID)	121		%	50	09/30/25	V	70 - 130 %	
Chlorinated Herbicides								
2,4,5-T	ND	150	ug/Kg	10	09/29/25	JRB	SW8151A	
2,4,5-TP (Silvex)	ND	150	ug/Kg	10	09/29/25	JRB	SW8151A	
2,4-D	ND	300	ug/Kg	10	09/29/25	JRB	SW8151A	
2,4-DB	ND	1500	ug/Kg	10	09/29/25	JRB	SW8151A	
Dalapon	ND	150	ug/Kg	10	09/29/25	JRB	SW8151A	

Ver 1

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Dicamba	ND	150	ug/Kg	10	09/29/25	JRB	SW8151A
Dichloroprop	ND	300	ug/Kg	10	09/29/25	JRB	SW8151A
Dinoseb	ND	300	ug/Kg	10	09/29/25	JRB	SW8151A
QA/QC Surrogates							
% DCAA	76		%	10	09/29/25	JRB	30 - 150 %
% DCAA (Confirmation)	72		%	10	09/29/25	JRB	30 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	81	ug/Kg	2	10/01/25	SC	SW8082A
PCB-1221	ND	81	ug/Kg	2	10/01/25	SC	SW8082A
PCB-1232	ND	81	ug/Kg	2	10/01/25	SC	SW8082A
PCB-1242	ND	81	ug/Kg	2	10/01/25	SC	SW8082A
PCB-1248	ND	81	ug/Kg	2	10/01/25	SC	SW8082A
PCB-1254	ND	81	ug/Kg	2	10/01/25	SC	SW8082A
PCB-1260	ND	81	ug/Kg	2	10/01/25	SC	SW8082A
PCB-1262	ND	81	ug/Kg	2	10/01/25	SC	SW8082A
PCB-1268	ND	81	ug/Kg	2	10/01/25	SC	SW8082A
QA/QC Surrogates							
% DCBP	67		%	2	10/01/25	SC	30 - 150 %
% DCBP (Confirmation)	56		%	2	10/01/25	SC	30 - 150 %
% TCMX	74		%	2	10/01/25	SC	30 - 150 %
% TCMX (Confirmation)	67		%	2	10/01/25	SC	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.4	ug/Kg	2	10/02/25	AW	SW8081B
4,4' -DDE	ND	2.4	ug/Kg	2	10/02/25	AW	SW8081B
4,4' -DDT	ND	2.4	ug/Kg	2	10/02/25	AW	SW8081B
a-BHC	ND	8.1	ug/Kg	2	10/02/25	AW	SW8081B
a-Chlordane	ND	4.1	ug/Kg	2	10/02/25	AW	SW8081B
Aldrin	ND	4.1	ug/Kg	2	10/02/25	AW	SW8081B
b-BHC	ND	8.1	ug/Kg	2	10/02/25	AW	SW8081B
Chlordane	ND	41	ug/Kg	2	10/02/25	AW	SW8081B
d-BHC	ND	8.1	ug/Kg	2	10/02/25	AW	SW8081B
Dieldrin	ND	4.1	ug/Kg	2	10/02/25	AW	SW8081B
Endosulfan I	ND	8.1	ug/Kg	2	10/02/25	AW	SW8081B
Endosulfan II	ND	8.1	ug/Kg	2	10/02/25	AW	SW8081B
Endosulfan sulfate	ND	8.1	ug/Kg	2	10/02/25	AW	SW8081B
Endrin	ND	8.1	ug/Kg	2	10/02/25	AW	SW8081B
Endrin aldehyde	ND	8.1	ug/Kg	2	10/02/25	AW	SW8081B
Endrin ketone	ND	8.1	ug/Kg	2	10/02/25	AW	SW8081B
g-BHC	ND	1.6	ug/Kg	2	10/02/25	AW	SW8081B
g-Chlordane	ND	4.1	ug/Kg	2	10/02/25	AW	SW8081B
Heptachlor	ND	8.1	ug/Kg	2	10/02/25	AW	SW8081B
Heptachlor epoxide	ND	8.1	ug/Kg	2	10/02/25	AW	SW8081B
Methoxychlor	ND	41	ug/Kg	2	10/02/25	AW	SW8081B
Toxaphene	ND	160	ug/Kg	2	10/02/25	AW	SW8081B
QA/QC Surrogates							
% DCBP	67		%	2	10/02/25	AW	30 - 150 %
% DCBP (Confirmation)	64		%	2	10/02/25	AW	30 - 150 %
% TCMX	43		%	2	10/02/25	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
% TCMX (Confirmation)	56		%	2	10/02/25	AW	30 - 150 %	
TCLP Herbicides								
2,4,5-TP (Silvex)	ND	50	ug/L	10	09/30/25	JRB	SW846 1311/8151	
2,4-D	ND	100	ug/L	10	09/30/25	JRB	SW846 1311/8151	
QA/QC Surrogates								
% DCAA	69		%	10	09/30/25	JRB	30 - 150 %	
% DCAA (Confirmation)	66		%	10	09/30/25	JRB	30 - 150 %	
TCLP Pesticides								
4,4' -DDD	ND	1.0	ug/L	10	09/30/25	AW	SW8081B	
4,4' -DDE	ND	1.0	ug/L	10	09/30/25	AW	SW8081B	
4,4' -DDT	ND	1.0	ug/L	10	09/30/25	AW	SW8081B	
a-BHC	ND	0.50	ug/L	10	09/30/25	AW	SW8081B	
Alachlor	ND	0.50	ug/L	10	09/30/25	AW	SW8081B	1
Aldrin	ND	0.50	ug/L	10	09/30/25	AW	SW8081B	
b-BHC	ND	0.50	ug/L	10	09/30/25	AW	SW8081B	
Chlordane	ND	5.0	ug/L	10	09/30/25	AW	SW8081B	
d-BHC	ND	0.50	ug/L	10	09/30/25	AW	SW8081B	
Dieldrin	ND	1.0	ug/L	10	09/30/25	AW	SW8081B	
Endosulfan I	ND	0.50	ug/L	10	09/30/25	AW	SW8081B	
Endosulfan II	ND	1.0	ug/L	10	09/30/25	AW	SW8081B	
Endosulfan Sulfate	ND	1.0	ug/L	10	09/30/25	AW	SW8081B	
Endrin	ND	1.0	ug/L	10	09/30/25	AW	SW8081B	
Endrin Aldehyde	ND	1.0	ug/L	10	09/30/25	AW	SW8081B	
g-BHC (Lindane)	ND	0.50	ug/L	10	09/30/25	AW	SW8081B	
Heptachlor	ND	0.50	ug/L	10	09/30/25	AW	SW8081B	
Heptachlor epoxide	ND	0.50	ug/L	10	09/30/25	AW	SW8081B	
Methoxychlor	ND	0.50	ug/L	10	09/30/25	AW	SW8081B	
Toxaphene	ND	20	ug/L	10	09/30/25	AW	SW8081B	
QA/QC Surrogates								
%DCBP (Surrogate Rec)	74		%	10	09/30/25	AW	30 - 150 %	
%DCBP (Surrogate Rec) (Confirmation)	54		%	10	09/30/25	AW	30 - 150 %	
%TCMX (Surrogate Rec)	54		%	10	09/30/25	AW	30 - 150 %	
%TCMX (Surrogate Rec) (Confirmation)	56		%	10	09/30/25	AW	30 - 150 %	
TPH DRO (C10-C28)								
Diesel Range Organics (C10-C28)	140	61	mg/Kg	1	09/26/25	JRB	SW8015D DRO	
QA/QC Surrogates								
% Terphenyl-d14	95		%	1	09/26/25	JRB	50 - 150 %	
% Tricosane(C23)	89		%	1	09/26/25	JRB	50 - 150 %	
Volatiles (TCL)								
1,1,1-Trichloroethane	ND	7.3	ug/kg	1	09/29/25	JLI	SW8260D	
1,1,2,2-Tetrachloroethane	ND	7.3	ug/kg	1	09/29/25	JLI	SW8260D	
1,1,2-Trichloroethane	ND	7.3	ug/kg	1	09/29/25	JLI	SW8260D	
1,1-Dichloroethane	ND	7.3	ug/kg	1	09/29/25	JLI	SW8260D	
1,1-Dichloroethene	ND	7.3	ug/kg	1	09/29/25	JLI	SW8260D	
1,2,3-Trichlorobenzene	ND	7.3	ug/kg	1	09/29/25	JLI	SW8260D	
1,2,4-Trichlorobenzene	ND	7.3	ug/kg	1	09/29/25	JLI	SW8260D	

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Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,2,4-Trimethylbenzene	ND	7.3	ug/kg	1	09/29/25	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	7.3	ug/kg	1	09/29/25	JLI	SW8260D
1,2-Dibromoethane	ND	7.3	ug/kg	1	09/29/25	JLI	SW8260D
1,2-Dichlorobenzene	ND	7.3	ug/kg	1	09/29/25	JLI	SW8260D
1,2-Dichloroethane	ND	7.3	ug/kg	1	09/29/25	JLI	SW8260D
1,2-Dichloropropane	ND	7.3	ug/kg	1	09/29/25	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	7.3	ug/kg	1	09/29/25	JLI	SW8260D
1,3-Dichlorobenzene	ND	7.3	ug/kg	1	09/29/25	JLI	SW8260D
1,4-Dichlorobenzene	ND	7.3	ug/kg	1	09/29/25	JLI	SW8260D
2-Hexanone	ND	36	ug/kg	1	09/29/25	JLI	SW8260D
4-Methyl-2-pentanone	ND	36	ug/kg	1	09/29/25	JLI	SW8260D
Acetone	ND	50	ug/kg	1	09/29/25	JLI	SW8260D
Benzene	ND	7.3	ug/kg	1	09/29/25	JLI	SW8260D
Bromochloromethane	ND	7.3	ug/kg	1	09/29/25	JLI	SW8260D
Bromodichloromethane	ND	7.3	ug/kg	1	09/29/25	JLI	SW8260D
Bromoform	ND	7.3	ug/kg	1	09/29/25	JLI	SW8260D
Bromomethane	ND	7.3	ug/kg	1	09/29/25	JLI	SW8260D
Carbon Disulfide	ND	7.3	ug/kg	1	09/29/25	JLI	SW8260D
Carbon tetrachloride	ND	7.3	ug/kg	1	09/29/25	JLI	SW8260D
Chlorobenzene	ND	7.3	ug/kg	1	09/29/25	JLI	SW8260D
Chloroethane	ND	7.3	ug/kg	1	09/29/25	JLI	SW8260D
Chloroform	ND	7.3	ug/kg	1	09/29/25	JLI	SW8260D
Chloromethane	ND	7.3	ug/kg	1	09/29/25	JLI	SW8260D
cis-1,2-Dichloroethene	ND	7.3	ug/kg	1	09/29/25	JLI	SW8260D
cis-1,3-Dichloropropene	ND	7.3	ug/kg	1	09/29/25	JLI	SW8260D
Cyclohexane	ND	7.3	ug/kg	1	09/29/25	JLI	SW8260D
Dibromochloromethane	ND	7.3	ug/kg	1	09/29/25	JLI	SW8260D
Dichlorodifluoromethane	ND	7.3	ug/kg	1	09/29/25	JLI	SW8260D
Ethylbenzene	ND	7.3	ug/kg	1	09/29/25	JLI	SW8260D
Isopropylbenzene	ND	7.3	ug/kg	1	09/29/25	JLI	SW8260D
m&p-Xylene	ND	7.3	ug/kg	1	09/29/25	JLI	SW8260D
Methyl ethyl ketone	ND	44	ug/kg	1	09/29/25	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	15	ug/kg	1	09/29/25	JLI	SW8260D
Methylacetate	ND	73	ug/kg	1	09/29/25	JLI	SW8260D
Methylcyclohexane	ND	7.3	ug/kg	1	09/29/25	JLI	SW8260D
Methylene chloride	ND	36	ug/kg	1	09/29/25	JLI	SW8260D
o-Xylene	ND	7.3	ug/kg	1	09/29/25	JLI	SW8260D
Styrene	ND	7.3	ug/kg	1	09/29/25	JLI	SW8260D
Tetrachloroethene	ND	7.3	ug/kg	1	09/29/25	JLI	SW8260D
Toluene	ND	7.3	ug/kg	1	09/29/25	JLI	SW8260D
Total Xylenes	ND	7.3	ug/kg	1	09/29/25	JLI	SW8260D
trans-1,2-Dichloroethene	ND	7.3	ug/kg	1	09/29/25	JLI	SW8260D
trans-1,3-Dichloropropene	ND	7.3	ug/kg	1	09/29/25	JLI	SW8260D
Trichloroethene	ND	7.3	ug/kg	1	09/29/25	JLI	SW8260D
Trichlorofluoromethane	ND	7.3	ug/kg	1	09/29/25	JLI	SW8260D
Trichlorotrifluoroethane	ND	7.3	ug/kg	1	09/29/25	JLI	SW8260D
Vinyl chloride	ND	7.3	ug/kg	1	09/29/25	JLI	SW8260D
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	1	09/29/25	JLI	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Bromofluorobenzene	95		%	1	09/29/25	JLI	70 - 130 %
% Dibromofluoromethane	71		%	1	09/29/25	JLI	70 - 130 %
% Toluene-d8	89		%	1	09/29/25	JLI	70 - 130 %
1,4-dioxane							
1,4-dioxane	ND	100	ug/kg	1	09/29/25	JLI	SW8260D
Volatiles							
1,2,3-Trichloropropane	ND	7.3	ug/Kg	1	09/29/25	JLI	SW8260D
1,2,4-Trimethylbenzene	ND	7.3	ug/Kg	1	09/29/25	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	7.3	ug/Kg	1	09/29/25	JLI	SW8260D
1,3-Dichloropropane	ND	7.3	ug/Kg	1	09/29/25	JLI	SW8260D
n-Butylbenzene	ND	7.3	ug/Kg	1	09/29/25	JLI	SW8260D
n-Propylbenzene	ND	7.3	ug/Kg	1	09/29/25	JLI	SW8260D
p-Isopropyltoluene	ND	7.3	ug/Kg	1	09/29/25	JLI	SW8260D
sec-Butylbenzene	ND	7.3	ug/Kg	1	09/29/25	JLI	SW8260D
tert-Butylbenzene	ND	7.3	ug/Kg	1	09/29/25	JLI	SW8260D
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	1	09/29/25	JLI	70 - 130 %
% Bromofluorobenzene	95		%	1	09/29/25	JLI	70 - 130 %
% Dibromofluoromethane	71		%	1	09/29/25	JLI	70 - 130 %
% Toluene-d8	89		%	1	09/29/25	JLI	70 - 130 %
TCLP Volatiles							
1,1-Dichloroethene	ND	50	ug/L	10	09/26/25	V	SW846 1311/8260
1,2-Dichloroethane	ND	50	ug/L	10	09/26/25	V	SW846 1311/8260
1,4-Dichlorobenzene	ND	50	ug/L	10	09/26/25	V	SW846 1311/8260
Benzene	ND	50	ug/L	10	09/26/25	V	SW846 1311/8260
Carbon tetrachloride	ND	50	ug/L	10	09/26/25	V	SW846 1311/8260
Chlorobenzene	ND	50	ug/L	10	09/26/25	V	SW846 1311/8260
Chloroform	ND	50	ug/L	10	09/26/25	V	SW846 1311/8260
Methyl ethyl ketone	ND	50	ug/L	10	09/26/25	V	SW846 1311/8260
Tetrachloroethene	ND	50	ug/L	10	09/26/25	V	SW846 1311/8260
Trichloroethene	ND	50	ug/L	10	09/26/25	V	SW846 1311/8260
Vinyl chloride	ND	50	ug/L	10	09/26/25	V	SW846 1311/8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4 (10x)	98		%	10	09/26/25	V	70 - 130 %
% Bromofluorobenzene (10x)	94		%	10	09/26/25	V	70 - 130 %
% Dibromofluoromethane (10x)	99		%	10	09/26/25	V	70 - 130 %
% Toluene-d8 (10x)	95		%	10	09/26/25	V	70 - 130 %
Volatile Library Search	Completed				09/30/25	JLI	
Semivolatiles							
1,1-Biphenyl	ND	290	ug/Kg	1	10/02/25	MR	SW8270E
1,2,4,5-Tetrachlorobenzene	ND	290	ug/Kg	1	10/02/25	MR	SW8270E
2,2'-Oxybis(1-Chloropropane)	ND	290	ug/Kg	1	10/02/25	MR	SW8270E 1
2,3,4,6-tetrachlorophenol	ND	290	ug/Kg	1	10/02/25	MR	SW8270E
2,4,5-Trichlorophenol	ND	290	ug/Kg	1	10/02/25	MR	SW8270E
2,4,6-Trichlorophenol	ND	290	ug/Kg	1	10/02/25	MR	SW8270E

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Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
2,4-Dichlorophenol	ND	290	ug/Kg	1	10/02/25	MR	SW8270E	
2,4-Dimethylphenol	ND	290	ug/Kg	1	10/02/25	MR	SW8270E	
2,4-Dinitrophenol	ND	650	ug/Kg	1	10/02/25	MR	SW8270E	
2,4-Dinitrotoluene	ND	290	ug/Kg	1	10/02/25	MR	SW8270E	
2,6-Dinitrotoluene	ND	290	ug/Kg	1	10/02/25	MR	SW8270E	
2-Chloronaphthalene	ND	290	ug/Kg	1	10/02/25	MR	SW8270E	
2-Chlorophenol	ND	290	ug/Kg	1	10/02/25	MR	SW8270E	
2-Methylnaphthalene	ND	290	ug/Kg	1	10/02/25	MR	SW8270E	
2-Methylphenol (o-cresol)	ND	290	ug/Kg	1	10/02/25	MR	SW8270E	
2-Nitroaniline	ND	650	ug/Kg	1	10/02/25	MR	SW8270E	
2-Nitrophenol	ND	290	ug/Kg	1	10/02/25	MR	SW8270E	
3&4-Methylphenol (m&p-cresol)	ND	330	ug/Kg	1	10/02/25	MR	SW8270E	1
3,3'-Dichlorobenzidine	ND	490	ug/Kg	1	10/02/25	MR	SW8270E	
3-Nitroaniline	ND	650	ug/Kg	1	10/02/25	MR	SW8270E	
4,6-Dinitro-2-methylphenol	ND	1200	ug/Kg	1	10/02/25	MR	SW8270E	
4-Bromophenyl phenyl ether	ND	410	ug/Kg	1	10/02/25	MR	SW8270E	
4-Chloro-3-methylphenol	ND	290	ug/Kg	1	10/02/25	MR	SW8270E	
4-Chloroaniline	ND	290	ug/Kg	1	10/02/25	MR	SW8270E	
4-Chlorophenyl phenyl ether	ND	290	ug/Kg	1	10/02/25	MR	SW8270E	
4-Nitroaniline	ND	650	ug/Kg	1	10/02/25	MR	SW8270E	
4-Nitrophenol	ND	1200	ug/Kg	1	10/02/25	MR	SW8270E	
Acenaphthene	ND	290	ug/Kg	1	10/02/25	MR	SW8270E	
Acenaphthylene	ND	290	ug/Kg	1	10/02/25	MR	SW8270E	
Acetophenone	ND	290	ug/Kg	1	10/02/25	MR	SW8270E	
Anthracene	650	290	ug/Kg	1	10/02/25	MR	SW8270E	
Atrazine	ND	290	ug/Kg	1	10/02/25	MR	SW8270E	
Benz(a)anthracene	1800	290	ug/Kg	1	10/02/25	MR	SW8270E	
Benzaldehyde	ND	290	ug/Kg	1	10/02/25	MR	SW8270E	
Benzo(a)pyrene	1700	290	ug/Kg	1	10/02/25	MR	SW8270E	
Benzo(b)fluoranthene	2800	290	ug/Kg	1	10/02/25	MR	SW8270E	
Benzo(ghi)perylene	1200	290	ug/Kg	1	10/02/25	MR	SW8270E	
Benzo(k)fluoranthene	940	290	ug/Kg	1	10/02/25	MR	SW8270E	
Benzyl butyl phthalate	ND	290	ug/Kg	1	10/02/25	MR	SW8270E	
Bis(2-chloroethoxy)methane	ND	290	ug/Kg	1	10/02/25	MR	SW8270E	
Bis(2-chloroethyl)ether	ND	410	ug/Kg	1	10/02/25	MR	SW8270E	
Bis(2-ethylhexyl)phthalate	ND	290	ug/Kg	1	10/02/25	MR	SW8270E	
Caprolactam	ND	290	ug/Kg	1	10/02/25	MR	SW8270E	
Carbazole	ND	410	ug/Kg	1	10/02/25	MR	SW8270E	
Chrysene	1600	290	ug/Kg	1	10/02/25	MR	SW8270E	
Dibenz(a,h)anthracene	250	200	ug/Kg	1	10/02/25	MR	SW8270E	
Dibenzofuran	ND	290	ug/Kg	1	10/02/25	MR	SW8270E	
Diethyl phthalate	ND	290	ug/Kg	1	10/02/25	MR	SW8270E	
Dimethylphthalate	ND	290	ug/Kg	1	10/02/25	MR	SW8270E	
Di-n-butylphthalate	ND	820	ug/Kg	1	10/02/25	MR	SW8270E	
Di-n-octylphthalate	ND	290	ug/Kg	1	10/02/25	MR	SW8270E	
Fluoranthene	4900	290	ug/Kg	1	10/02/25	MR	SW8270E	
Fluorene	ND	290	ug/Kg	1	10/02/25	MR	SW8270E	
Hexachlorobenzene	ND	290	ug/Kg	1	10/02/25	MR	SW8270E	
Hexachlorobutadiene	ND	290	ug/Kg	1	10/02/25	MR	SW8270E	

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Hexachlorocyclopentadiene	ND	290	ug/Kg	1	10/02/25	MR	SW8270E
Hexachloroethane	ND	290	ug/Kg	1	10/02/25	MR	SW8270E
Indeno(1,2,3-cd)pyrene	1100	290	ug/Kg	1	10/02/25	MR	SW8270E
Isophorone	ND	290	ug/Kg	1	10/02/25	MR	SW8270E
Naphthalene	ND	290	ug/Kg	1	10/02/25	MR	SW8270E
Nitrobenzene	ND	290	ug/Kg	1	10/02/25	MR	SW8270E
N-Nitrosodimethylamine	ND	410	ug/Kg	1	10/02/25	MR	SW8270E
N-Nitrosodi-n-propylamine	ND	200	ug/Kg	1	10/02/25	MR	SW8270E
N-Nitrosodiphenylamine	ND	410	ug/Kg	1	10/02/25	MR	SW8270E
Pentachlorophenol	ND	410	ug/Kg	1	10/02/25	MR	SW8270E
Phenanthrene	3300	290	ug/Kg	1	10/02/25	MR	SW8270E
Phenol	ND	290	ug/Kg	1	10/02/25	MR	SW8270E
Pyrene	4400	290	ug/Kg	1	10/02/25	MR	SW8270E
QA/QC Surrogates							
% 2,4,6-Tribromophenol	126		%	1	10/02/25	MR	30 - 130 %
% 2-Fluorobiphenyl	49		%	1	10/02/25	MR	30 - 130 %
% 2-Fluorophenol	49		%	1	10/02/25	MR	30 - 130 %
% Nitrobenzene-d5	75		%	1	10/02/25	MR	30 - 130 %
% Phenol-d5	66		%	1	10/02/25	MR	30 - 130 %
% Terphenyl-d14	64		%	1	10/02/25	MR	30 - 130 %

TCLP Acid/Base-Neutral

1,4-Dichlorobenzene	ND	83	ug/L	1	09/27/25	MR	SW-846 1311/8270
2,4,5-Trichlorophenol	ND	83	ug/L	1	09/27/25	MR	SW-846 1311/8270
2,4,6-Trichlorophenol	ND	83	ug/L	1	09/27/25	MR	SW-846 1311/8270
2,4-Dinitrotoluene	ND	83	ug/L	1	09/27/25	MR	SW-846 1311/8270
2-Methylphenol (o-cresol)	ND	83	ug/L	1	09/27/25	MR	SW-846 1311/8270
3&4-Methylphenol (m&p-Cresol)	ND	83	ug/L	1	09/27/25	MR	SW-846 1311/8270
Hexachlorobenzene	ND	83	ug/L	1	09/27/25	MR	SW-846 1311/8270
Hexachlorobutadiene	ND	83	ug/L	1	09/27/25	MR	SW-846 1311/8270
Hexachloroethane	ND	83	ug/L	1	09/27/25	MR	SW-846 1311/8270
Nitrobenzene	ND	83	ug/L	1	09/27/25	MR	SW-846 1311/8270
Pentachlorophenol	ND	83	ug/L	1	09/27/25	MR	SW-846 1311/8270
Pyridine	ND	83	ug/L	1	09/27/25	MR	SW-846 1311/8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	109		%	1	09/27/25	MR	15 - 110 %
% 2-Fluorobiphenyl	72		%	1	09/27/25	MR	30 - 130 %
% 2-Fluorophenol	74		%	1	09/27/25	MR	15 - 110 %
% Nitrobenzene-d5	91		%	1	09/27/25	MR	30 - 130 %
% Phenol-d5	72		%	1	09/27/25	MR	15 - 110 %
% Terphenyl-d14	88		%	1	09/27/25	MR	30 - 130 %
Semivolatile Library Search	Completed				10/02/25	MR	

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

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

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

Comments:

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.

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.

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.

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

October 06, 2025

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

October 06, 2025

FOR: Attn: Mr. Brian Pendergast
American Environmental Solutions, Inc
42 West Avenue
Patchogue, NY 11772

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/24/25	13:50
Location Code:	AES-EASTSIDE	Received by:	SW	09/25/25	17:55
Rush Request:	5 Day	Analyzed by:	see "By" below		
P.O.#:	0897				

Laboratory Data

SDG ID: GCU34990
Phoenix ID: CU34992

Project ID: EAST SIDE COASTAL RESILIENCY
Client ID: DEP 112

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.43	0.43	mg/Kg	1	10/01/25	CPP	SW6010D
Aluminum	8990	64	mg/Kg	10	10/01/25	CPP	SW6010D
Arsenic	6.83	0.86	mg/Kg	1	10/01/25	CPP	SW6010D
Barium	67.1	0.43	mg/Kg	1	10/01/25	CPP	SW6010D
Beryllium	0.45	0.34	mg/Kg	1	10/01/25	CPP	SW6010D
Calcium	43500	64	mg/Kg	10	10/01/25	CPP	SW6010D
Cadmium	< 0.43	0.43	mg/Kg	1	10/01/25	CPP	SW6010D
Cobalt	6.87	0.43	mg/Kg	1	10/01/25	CPP	SW6010D
Chromium	17.2	0.43	mg/Kg	1	10/01/25	CPP	SW6010D
Copper	56.5	0.9	mg/kg	1	10/01/25	CPP	SW6010D
Iron	13200	6.4	mg/Kg	1	10/01/25	CPP	SW6010D
Mercury	0.368	0.1	mg/Kg	1	09/26/25	ZT	SW7473
Potassium	1530	64	mg/Kg	10	10/01/25	CPP	SW6010D
Magnesium	20000	6.4	mg/Kg	1	10/01/25	CPP	SW6010D
Manganese	508	0.43	mg/Kg	1	10/01/25	TH	SW6010D
Sodium	1750	6.4	mg/Kg	1	10/01/25	CPP	SW6010D
Nickel	15.3	0.43	mg/Kg	1	10/01/25	CPP	SW6010D
Lead	79.7	0.43	mg/Kg	1	10/01/25	CPP	SW6010D
Antimony	< 4.3	4.3	mg/Kg	1	10/01/25	CPP	SW6010D
Selenium	< 1.7	1.7	mg/Kg	1	10/01/25	CPP	SW6010D
TCLP Silver	< 0.10	0.10	mg/L	1	09/26/25	TH	SW846 1311/6010
TCLP Arsenic	< 0.10	0.10	mg/L	1	09/26/25	TH	SW846 1311/6010
TCLP Barium	0.78	0.10	mg/L	1	09/26/25	TH	SW846 1311/6010
TCLP Cadmium	< 0.050	0.050	mg/L	1	09/26/25	TH	SW846 1311/6010
TCLP Chromium	< 0.10	0.10	mg/L	1	09/26/25	TH	SW846 1311/6010
TCLP Mercury	< 0.0002	0.0002	mg/L	1	09/26/25	AJ1	SW846 1311/7470
TCLP Lead	3.60	0.10	mg/L	1	09/26/25	TH	SW846 1311/6010
TCLP Selenium	< 0.10	0.10	mg/L	1	09/26/25	TH	SW846 1311/6010D

Ver 1

Project ID: EAST SIDE COASTAL RESILIENCY
Client ID: DEP 112

Phoenix I.D.: CU34992

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Thallium	< 3.9	3.9	mg/Kg	1	10/01/25	CPP	SW6010D	
TCLP Metals Digestion	Completed				09/26/25	AK/GW	SW3010A	
Vanadium	22.2	0.43	mg/Kg	1	10/01/25	CPP	SW6010D	
Zinc	51.8	0.9	mg/Kg	1	10/01/25	CPP	SW6010D	
Percent Solid	73		%		09/25/25	CV	SW846-%Solid	
Corrosivity	Negative		Pos/Neg	1	09/25/25	KG	SW846-Corr	1
Flash Point	>200	200	Degree F	1	09/29/25	G	SW1010B	
Chromium, Hex. (SW3060A digestion	< 0.49	0.49	mg/Kg	1	09/29/25	NP	SW7196A	
Ignitability	Passed	140	degree F	1	09/29/25	G	SW846-Ignit	1
pH at 22C - Soil	8.53	1.00	pH Units	1	09/25/25 23:52	KG	SW846 9045D	
Reactivity Cyanide	< 7	7	mg/Kg	1	10/01/25	IH/GD	SW846 7.3.3.1/90	1
Reactivity Sulfide	< 20	20	mg/Kg	1	10/01/25	IH/GD	SW846 CH7	1
Reactivity	Negative		Pos/Neg	1	10/01/25	IH/GD	SW846-React	1
Redox Potential	144		mV	1	09/25/25	KG	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	< 0.68	0.68	mg/Kg	1	09/29/25	A/GD	SW9012B	
Extraction of NY ETPH	Completed				09/25/25	S/Q	SW3546	
Soil Extraction for Herbicide	Completed				09/28/25	Y/D	SW3546	
NJ EPH Extraction	Completed				10/01/25	C/U	NJDEP 10-08 R3	
Soil Extraction for PCB	Completed				10/01/25	S	SW3546	
Soil Extraction for Pesticides	Completed				10/01/25	S/Z	SW3546	
Soil Extraction for SVOA	Completed				10/01/25	ND/C/Z	SW3546	
TCLP Digestion Mercury	Completed				09/26/25	AK/GW	SW7470A	
TCLP Herbicides Extraction	Completed				09/29/25	CV/D	SW8150 MOD	
TCLP Extraction for Metals	Completed				09/25/25	AK	SW1311	
TCLP Extraction for Organics	Completed				09/25/25	AK	SW1311	
TCLP Pesticides Extraction	Completed				09/29/25	J/T/T	SW3510C	
TCLP Semi-Volatile Extraction	Completed				09/26/25	T/T	SW3510C	
TCLP Extraction Volatiles	Completed				09/25/25	CV	SW1311	
Total Metals Digest	Completed				09/28/25	N/AG	SW3050B	
NJ EPH Category 1 (Fuel #2/Diesel)								
>C28-C40	ND	55	mg/kg	5	10/02/25	JRB	NJEPH 10-08 R3	1
C9-C28	ND	110	mg/kg	5	10/02/25	JRB	NJEPH 10-08 R3	1
Total EPH	ND	55	mg/kg	5	10/02/25	JRB	NJEPH 10-08 R3	1
QA/QC Surrogates								
% COD (surr)	62		%	5	10/02/25	JRB	40 - 140 %	
% Terphenyl (surr)	87		%	5	10/02/25	JRB	40 - 140 %	
Gasoline Range Hydrocarbons (C6-C10)								
GRO (C6-C10)	ND	8.6	mg/Kg	50	09/30/25	V	SW8015D GRO	
QA/QC Surrogates								
% 2,5-Dibromotoluene (FID)	115		%	50	09/30/25	V	70 - 130 %	
Chlorinated Herbicides								
2,4,5-T	ND	170	ug/Kg	10	09/29/25	JRB	SW8151A	
2,4,5-TP (Silvex)	ND	170	ug/Kg	10	09/29/25	JRB	SW8151A	
2,4-D	ND	340	ug/Kg	10	09/29/25	JRB	SW8151A	
2,4-DB	ND	1700	ug/Kg	10	09/29/25	JRB	SW8151A	
Dalapon	ND	170	ug/Kg	10	09/29/25	JRB	SW8151A	

Ver 1

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Dicamba	ND	170	ug/Kg	10	09/29/25	JRB	SW8151A
Dichloroprop	ND	340	ug/Kg	10	09/29/25	JRB	SW8151A
Dinoseb	ND	340	ug/Kg	10	09/29/25	JRB	SW8151A
QA/QC Surrogates							
% DCAA	71		%	10	09/29/25	JRB	30 - 150 %
% DCAA (Confirmation)	62		%	10	09/29/25	JRB	30 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	90	ug/Kg	2	10/01/25	SC	SW8082A
PCB-1221	ND	90	ug/Kg	2	10/01/25	SC	SW8082A
PCB-1232	ND	90	ug/Kg	2	10/01/25	SC	SW8082A
PCB-1242	ND	90	ug/Kg	2	10/01/25	SC	SW8082A
PCB-1248	ND	90	ug/Kg	2	10/01/25	SC	SW8082A
PCB-1254	ND	90	ug/Kg	2	10/01/25	SC	SW8082A
PCB-1260	ND	90	ug/Kg	2	10/01/25	SC	SW8082A
PCB-1262	ND	90	ug/Kg	2	10/01/25	SC	SW8082A
PCB-1268	ND	90	ug/Kg	2	10/01/25	SC	SW8082A
QA/QC Surrogates							
% DCBP	75		%	2	10/01/25	SC	30 - 150 %
% DCBP (Confirmation)	69		%	2	10/01/25	SC	30 - 150 %
% TCMX	75		%	2	10/01/25	SC	30 - 150 %
% TCMX (Confirmation)	69		%	2	10/01/25	SC	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.7	ug/Kg	2	10/02/25	AW	SW8081B
4,4' -DDE	ND	2.7	ug/Kg	2	10/02/25	AW	SW8081B
4,4' -DDT	ND	2.7	ug/Kg	2	10/02/25	AW	SW8081B
a-BHC	ND	8.9	ug/Kg	2	10/02/25	AW	SW8081B
a-Chlordane	ND	4.4	ug/Kg	2	10/02/25	AW	SW8081B
Aldrin	ND	4.4	ug/Kg	2	10/02/25	AW	SW8081B
b-BHC	ND	8.9	ug/Kg	2	10/02/25	AW	SW8081B
Chlordane	ND	44	ug/Kg	2	10/02/25	AW	SW8081B
d-BHC	ND	8.9	ug/Kg	2	10/02/25	AW	SW8081B
Dieldrin	ND	4.4	ug/Kg	2	10/02/25	AW	SW8081B
Endosulfan I	ND	8.9	ug/Kg	2	10/02/25	AW	SW8081B
Endosulfan II	ND	8.9	ug/Kg	2	10/02/25	AW	SW8081B
Endosulfan sulfate	ND	8.9	ug/Kg	2	10/02/25	AW	SW8081B
Endrin	ND	8.9	ug/Kg	2	10/02/25	AW	SW8081B
Endrin aldehyde	ND	8.9	ug/Kg	2	10/02/25	AW	SW8081B
Endrin ketone	ND	8.9	ug/Kg	2	10/02/25	AW	SW8081B
g-BHC	ND	1.8	ug/Kg	2	10/02/25	AW	SW8081B
g-Chlordane	ND	4.4	ug/Kg	2	10/02/25	AW	SW8081B
Heptachlor	ND	8.9	ug/Kg	2	10/02/25	AW	SW8081B
Heptachlor epoxide	ND	8.9	ug/Kg	2	10/02/25	AW	SW8081B
Methoxychlor	ND	44	ug/Kg	2	10/02/25	AW	SW8081B
Toxaphene	ND	180	ug/Kg	2	10/02/25	AW	SW8081B
QA/QC Surrogates							
% DCBP	65		%	2	10/02/25	AW	30 - 150 %
% DCBP (Confirmation)	55		%	2	10/02/25	AW	30 - 150 %
% TCMX	53		%	2	10/02/25	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
% TCMX (Confirmation)	54		%	2	10/02/25	AW	30 - 150 %	
TCLP Herbicides								
2,4,5-TP (Silvex)	ND	50	ug/L	10	09/30/25	JRB	SW846 1311/8151	
2,4-D	ND	100	ug/L	10	09/30/25	JRB	SW846 1311/8151	
QA/QC Surrogates								
% DCAA	61		%	10	09/30/25	JRB	30 - 150 %	
% DCAA (Confirmation)	75		%	10	09/30/25	JRB	30 - 150 %	
TCLP Pesticides								
4,4' -DDD	ND	1.0	ug/L	10	09/30/25	AW	SW8081B	
4,4' -DDE	ND	1.0	ug/L	10	09/30/25	AW	SW8081B	
4,4' -DDT	ND	1.0	ug/L	10	09/30/25	AW	SW8081B	
a-BHC	ND	0.50	ug/L	10	09/30/25	AW	SW8081B	
Alachlor	ND	0.50	ug/L	10	09/30/25	AW	SW8081B	1
Aldrin	ND	0.50	ug/L	10	09/30/25	AW	SW8081B	
b-BHC	ND	0.50	ug/L	10	09/30/25	AW	SW8081B	
Chlordane	ND	5.0	ug/L	10	09/30/25	AW	SW8081B	
d-BHC	ND	0.50	ug/L	10	09/30/25	AW	SW8081B	
Dieldrin	ND	1.0	ug/L	10	09/30/25	AW	SW8081B	
Endosulfan I	ND	0.50	ug/L	10	09/30/25	AW	SW8081B	
Endosulfan II	ND	1.0	ug/L	10	09/30/25	AW	SW8081B	
Endosulfan Sulfate	ND	1.0	ug/L	10	09/30/25	AW	SW8081B	
Endrin	ND	1.0	ug/L	10	09/30/25	AW	SW8081B	
Endrin Aldehyde	ND	1.0	ug/L	10	09/30/25	AW	SW8081B	
g-BHC (Lindane)	ND	0.50	ug/L	10	09/30/25	AW	SW8081B	
Heptachlor	ND	0.50	ug/L	10	09/30/25	AW	SW8081B	
Heptachlor epoxide	ND	0.50	ug/L	10	09/30/25	AW	SW8081B	
Methoxychlor	ND	0.50	ug/L	10	09/30/25	AW	SW8081B	
Toxaphene	ND	20	ug/L	10	09/30/25	AW	SW8081B	
QA/QC Surrogates								
%DCBP (Surrogate Rec)	97		%	10	09/30/25	AW	30 - 150 %	
%DCBP (Surrogate Rec) (Confirmation)	66		%	10	09/30/25	AW	30 - 150 %	
%TCMX (Surrogate Rec)	73		%	10	09/30/25	AW	30 - 150 %	
%TCMX (Surrogate Rec) (Confirmation)	71		%	10	09/30/25	AW	30 - 150 %	
TPH DRO (C10-C28)								
Diesel Range Organics (C10-C28)	490	340	mg/Kg	5	09/27/25	JRB	SW8015D DRO	
QA/QC Surrogates								
% Terphenyl-d14	54		%	5	09/27/25	JRB	50 - 150 %	
% Tricosane(C23)	77		%	5	09/27/25	JRB	50 - 150 %	
Volatiles (TCL)								
1,1,1-Trichloroethane	ND	6.2	ug/kg	1	09/28/25	JLI	SW8260D	
1,1,2,2-Tetrachloroethane	ND	6.2	ug/kg	1	09/28/25	JLI	SW8260D	
1,1,2-Trichloroethane	ND	6.2	ug/kg	1	09/28/25	JLI	SW8260D	
1,1-Dichloroethane	ND	6.2	ug/kg	1	09/28/25	JLI	SW8260D	
1,1-Dichloroethene	ND	6.2	ug/kg	1	09/28/25	JLI	SW8260D	
1,2,3-Trichlorobenzene	ND	6.2	ug/kg	1	09/28/25	JLI	SW8260D	
1,2,4-Trichlorobenzene	ND	6.2	ug/kg	1	09/28/25	JLI	SW8260D	

Project ID: EAST SIDE COASTAL RESILIENCY
Client ID: DEP 112

Phoenix I.D.: CU34992

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,2,4-Trimethylbenzene	ND	6.2	ug/kg	1	09/28/25	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	6.2	ug/kg	1	09/28/25	JLI	SW8260D
1,2-Dibromoethane	ND	6.2	ug/kg	1	09/28/25	JLI	SW8260D
1,2-Dichlorobenzene	ND	6.2	ug/kg	1	09/28/25	JLI	SW8260D
1,2-Dichloroethane	ND	6.2	ug/kg	1	09/28/25	JLI	SW8260D
1,2-Dichloropropane	ND	6.2	ug/kg	1	09/28/25	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	6.2	ug/kg	1	09/28/25	JLI	SW8260D
1,3-Dichlorobenzene	ND	6.2	ug/kg	1	09/28/25	JLI	SW8260D
1,4-Dichlorobenzene	ND	6.2	ug/kg	1	09/28/25	JLI	SW8260D
2-Hexanone	ND	31	ug/kg	1	09/28/25	JLI	SW8260D
4-Methyl-2-pentanone	ND	31	ug/kg	1	09/28/25	JLI	SW8260D
Acetone	ND	50	ug/kg	1	09/28/25	JLI	SW8260D
Benzene	ND	6.2	ug/kg	1	09/28/25	JLI	SW8260D
Bromochloromethane	ND	6.2	ug/kg	1	09/28/25	JLI	SW8260D
Bromodichloromethane	ND	6.2	ug/kg	1	09/28/25	JLI	SW8260D
Bromoform	ND	6.2	ug/kg	1	09/28/25	JLI	SW8260D
Bromomethane	ND	6.2	ug/kg	1	09/28/25	JLI	SW8260D
Carbon Disulfide	ND	6.2	ug/kg	1	09/28/25	JLI	SW8260D
Carbon tetrachloride	ND	6.2	ug/kg	1	09/28/25	JLI	SW8260D
Chlorobenzene	ND	6.2	ug/kg	1	09/28/25	JLI	SW8260D
Chloroethane	ND	6.2	ug/kg	1	09/28/25	JLI	SW8260D
Chloroform	ND	6.2	ug/kg	1	09/28/25	JLI	SW8260D
Chloromethane	ND	6.2	ug/kg	1	09/28/25	JLI	SW8260D
cis-1,2-Dichloroethene	ND	6.2	ug/kg	1	09/28/25	JLI	SW8260D
cis-1,3-Dichloropropene	ND	6.2	ug/kg	1	09/28/25	JLI	SW8260D
Cyclohexane	ND	6.2	ug/kg	1	09/28/25	JLI	SW8260D
Dibromochloromethane	ND	6.2	ug/kg	1	09/28/25	JLI	SW8260D
Dichlorodifluoromethane	ND	6.2	ug/kg	1	09/28/25	JLI	SW8260D
Ethylbenzene	ND	6.2	ug/kg	1	09/28/25	JLI	SW8260D
Isopropylbenzene	ND	6.2	ug/kg	1	09/28/25	JLI	SW8260D
m&p-Xylene	ND	6.2	ug/kg	1	09/28/25	JLI	SW8260D
Methyl ethyl ketone	ND	37	ug/kg	1	09/28/25	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	12	ug/kg	1	09/28/25	JLI	SW8260D
Methylacetate	ND	62	ug/kg	1	09/28/25	JLI	SW8260D
Methylcyclohexane	ND	6.2	ug/kg	1	09/28/25	JLI	SW8260D
Methylene chloride	ND	31	ug/kg	1	09/28/25	JLI	SW8260D
o-Xylene	ND	6.2	ug/kg	1	09/28/25	JLI	SW8260D
Styrene	ND	6.2	ug/kg	1	09/28/25	JLI	SW8260D
Tetrachloroethene	ND	6.2	ug/kg	1	09/28/25	JLI	SW8260D
Toluene	ND	6.2	ug/kg	1	09/28/25	JLI	SW8260D
Total Xylenes	ND	6.2	ug/kg	1	09/28/25	JLI	SW8260D
trans-1,2-Dichloroethene	ND	6.2	ug/kg	1	09/28/25	JLI	SW8260D
trans-1,3-Dichloropropene	ND	6.2	ug/kg	1	09/28/25	JLI	SW8260D
Trichloroethene	ND	6.2	ug/kg	1	09/28/25	JLI	SW8260D
Trichlorofluoromethane	ND	6.2	ug/kg	1	09/28/25	JLI	SW8260D
Trichlorotrifluoroethane	ND	6.2	ug/kg	1	09/28/25	JLI	SW8260D
Vinyl chloride	ND	6.2	ug/kg	1	09/28/25	JLI	SW8260D
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	95		%	1	09/28/25	JLI	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Bromofluorobenzene	99		%	1	09/28/25	JLI	70 - 130 %
% Dibromofluoromethane	101		%	1	09/28/25	JLI	70 - 130 %
% Toluene-d8	88		%	1	09/28/25	JLI	70 - 130 %
1,4-dioxane							
1,4-dioxane	ND	92	ug/kg	1	09/28/25	JLI	SW8260D
Volatiles							
1,2,3-Trichloropropane	ND	6.2	ug/Kg	1	09/28/25	JLI	SW8260D
1,2,4-Trimethylbenzene	ND	6.2	ug/Kg	1	09/28/25	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	6.2	ug/Kg	1	09/28/25	JLI	SW8260D
1,3-Dichloropropane	ND	6.2	ug/Kg	1	09/28/25	JLI	SW8260D
n-Butylbenzene	ND	6.2	ug/Kg	1	09/28/25	JLI	SW8260D
n-Propylbenzene	ND	6.2	ug/Kg	1	09/28/25	JLI	SW8260D
p-Isopropyltoluene	ND	6.2	ug/Kg	1	09/28/25	JLI	SW8260D
sec-Butylbenzene	ND	6.2	ug/Kg	1	09/28/25	JLI	SW8260D
tert-Butylbenzene	ND	6.2	ug/Kg	1	09/28/25	JLI	SW8260D
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	95		%	1	09/28/25	JLI	70 - 130 %
% Bromofluorobenzene	99		%	1	09/28/25	JLI	70 - 130 %
% Dibromofluoromethane	101		%	1	09/28/25	JLI	70 - 130 %
% Toluene-d8	88		%	1	09/28/25	JLI	70 - 130 %
TCLP Volatiles							
1,1-Dichloroethene	ND	50	ug/L	10	09/26/25	V	SW846 1311/8260
1,2-Dichloroethane	ND	50	ug/L	10	09/26/25	V	SW846 1311/8260
1,4-Dichlorobenzene	ND	50	ug/L	10	09/26/25	V	SW846 1311/8260
Benzene	ND	50	ug/L	10	09/26/25	V	SW846 1311/8260
Carbon tetrachloride	ND	50	ug/L	10	09/26/25	V	SW846 1311/8260
Chlorobenzene	ND	50	ug/L	10	09/26/25	V	SW846 1311/8260
Chloroform	ND	50	ug/L	10	09/26/25	V	SW846 1311/8260
Methyl ethyl ketone	ND	50	ug/L	10	09/26/25	V	SW846 1311/8260
Tetrachloroethene	ND	50	ug/L	10	09/26/25	V	SW846 1311/8260
Trichloroethene	ND	50	ug/L	10	09/26/25	V	SW846 1311/8260
Vinyl chloride	ND	50	ug/L	10	09/26/25	V	SW846 1311/8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4 (10x)	100		%	10	09/26/25	V	70 - 130 %
% Bromofluorobenzene (10x)	94		%	10	09/26/25	V	70 - 130 %
% Dibromofluoromethane (10x)	102		%	10	09/26/25	V	70 - 130 %
% Toluene-d8 (10x)	93		%	10	09/26/25	V	70 - 130 %
Volatile Library Search	Completed				09/29/25	JLI	
Semivolatiles							
1,1-Biphenyl	ND	310	ug/Kg	1	10/02/25	MR	SW8270E
1,2,4,5-Tetrachlorobenzene	ND	310	ug/Kg	1	10/02/25	MR	SW8270E
2,2'-Oxybis(1-Chloropropane)	ND	310	ug/Kg	1	10/02/25	MR	SW8270E 1
2,3,4,6-tetrachlorophenol	ND	310	ug/Kg	1	10/02/25	MR	SW8270E
2,4,5-Trichlorophenol	ND	310	ug/Kg	1	10/02/25	MR	SW8270E
2,4,6-Trichlorophenol	ND	310	ug/Kg	1	10/02/25	MR	SW8270E

Project ID: EAST SIDE COASTAL RESILIENCY
Client ID: DEP 112

Phoenix I.D.: CU34992

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
2,4-Dichlorophenol	ND	310	ug/Kg	1	10/02/25	MR	SW8270E	
2,4-Dimethylphenol	ND	310	ug/Kg	1	10/02/25	MR	SW8270E	
2,4-Dinitrophenol	ND	720	ug/Kg	1	10/02/25	MR	SW8270E	
2,4-Dinitrotoluene	ND	310	ug/Kg	1	10/02/25	MR	SW8270E	
2,6-Dinitrotoluene	ND	310	ug/Kg	1	10/02/25	MR	SW8270E	
2-Chloronaphthalene	ND	310	ug/Kg	1	10/02/25	MR	SW8270E	
2-Chlorophenol	ND	310	ug/Kg	1	10/02/25	MR	SW8270E	
2-Methylnaphthalene	ND	310	ug/Kg	1	10/02/25	MR	SW8270E	
2-Methylphenol (o-cresol)	ND	310	ug/Kg	1	10/02/25	MR	SW8270E	
2-Nitroaniline	ND	720	ug/Kg	1	10/02/25	MR	SW8270E	
2-Nitrophenol	ND	310	ug/Kg	1	10/02/25	MR	SW8270E	
3&4-Methylphenol (m&p-cresol)	ND	330	ug/Kg	1	10/02/25	MR	SW8270E	1
3,3'-Dichlorobenzidine	ND	540	ug/Kg	1	10/02/25	MR	SW8270E	
3-Nitroaniline	ND	720	ug/Kg	1	10/02/25	MR	SW8270E	
4,6-Dinitro-2-methylphenol	ND	1300	ug/Kg	1	10/02/25	MR	SW8270E	
4-Bromophenyl phenyl ether	ND	450	ug/Kg	1	10/02/25	MR	SW8270E	
4-Chloro-3-methylphenol	ND	310	ug/Kg	1	10/02/25	MR	SW8270E	
4-Chloroaniline	ND	310	ug/Kg	1	10/02/25	MR	SW8270E	
4-Chlorophenyl phenyl ether	ND	310	ug/Kg	1	10/02/25	MR	SW8270E	
4-Nitroaniline	ND	720	ug/Kg	1	10/02/25	MR	SW8270E	
4-Nitrophenol	ND	1300	ug/Kg	1	10/02/25	MR	SW8270E	
Acenaphthene	ND	310	ug/Kg	1	10/02/25	MR	SW8270E	
Acenaphthylene	ND	310	ug/Kg	1	10/02/25	MR	SW8270E	
Acetophenone	ND	310	ug/Kg	1	10/02/25	MR	SW8270E	
Anthracene	530	310	ug/Kg	1	10/02/25	MR	SW8270E	
Atrazine	ND	310	ug/Kg	1	10/02/25	MR	SW8270E	
Benz(a)anthracene	1100	310	ug/Kg	1	10/02/25	MR	SW8270E	
Benzaldehyde	ND	310	ug/Kg	1	10/02/25	MR	SW8270E	
Benzo(a)pyrene	920	310	ug/Kg	1	10/02/25	MR	SW8270E	
Benzo(b)fluoranthene	1100	310	ug/Kg	1	10/02/25	MR	SW8270E	
Benzo(ghi)perylene	630	310	ug/Kg	1	10/02/25	MR	SW8270E	
Benzo(k)fluoranthene	340	310	ug/Kg	1	10/02/25	MR	SW8270E	
Benzyl butyl phthalate	ND	310	ug/Kg	1	10/02/25	MR	SW8270E	
Bis(2-chloroethoxy)methane	ND	310	ug/Kg	1	10/02/25	MR	SW8270E	
Bis(2-chloroethyl)ether	ND	450	ug/Kg	1	10/02/25	MR	SW8270E	
Bis(2-ethylhexyl)phthalate	ND	310	ug/Kg	1	10/02/25	MR	SW8270E	
Caprolactam	ND	310	ug/Kg	1	10/02/25	MR	SW8270E	
Carbazole	ND	450	ug/Kg	1	10/02/25	MR	SW8270E	
Chrysene	960	310	ug/Kg	1	10/02/25	MR	SW8270E	
Dibenz(a,h)anthracene	ND	220	ug/Kg	1	10/02/25	MR	SW8270E	
Dibenzofuran	ND	310	ug/Kg	1	10/02/25	MR	SW8270E	
Diethyl phthalate	ND	310	ug/Kg	1	10/02/25	MR	SW8270E	
Dimethylphthalate	ND	310	ug/Kg	1	10/02/25	MR	SW8270E	
Di-n-butylphthalate	ND	890	ug/Kg	1	10/02/25	MR	SW8270E	
Di-n-octylphthalate	ND	310	ug/Kg	1	10/02/25	MR	SW8270E	
Fluoranthene	2600	310	ug/Kg	1	10/02/25	MR	SW8270E	
Fluorene	ND	310	ug/Kg	1	10/02/25	MR	SW8270E	
Hexachlorobenzene	ND	310	ug/Kg	1	10/02/25	MR	SW8270E	
Hexachlorobutadiene	ND	310	ug/Kg	1	10/02/25	MR	SW8270E	

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Hexachlorocyclopentadiene	ND	310	ug/Kg	1	10/02/25	MR	SW8270E
Hexachloroethane	ND	310	ug/Kg	1	10/02/25	MR	SW8270E
Indeno(1,2,3-cd)pyrene	540	310	ug/Kg	1	10/02/25	MR	SW8270E
Isophorone	ND	310	ug/Kg	1	10/02/25	MR	SW8270E
Naphthalene	ND	310	ug/Kg	1	10/02/25	MR	SW8270E
Nitrobenzene	ND	310	ug/Kg	1	10/02/25	MR	SW8270E
N-Nitrosodimethylamine	ND	450	ug/Kg	1	10/02/25	MR	SW8270E
N-Nitrosodi-n-propylamine	ND	220	ug/Kg	1	10/02/25	MR	SW8270E
N-Nitrosodiphenylamine	ND	450	ug/Kg	1	10/02/25	MR	SW8270E
Pentachlorophenol	ND	450	ug/Kg	1	10/02/25	MR	SW8270E
Phenanthrene	2100	310	ug/Kg	1	10/02/25	MR	SW8270E
Phenol	ND	310	ug/Kg	1	10/02/25	MR	SW8270E
Pyrene	2500	310	ug/Kg	1	10/02/25	MR	SW8270E
QA/QC Surrogates							
% 2,4,6-Tribromophenol	76		%	1	10/02/25	MR	30 - 130 %
% 2-Fluorobiphenyl	53		%	1	10/02/25	MR	30 - 130 %
% 2-Fluorophenol	44		%	1	10/02/25	MR	30 - 130 %
% Nitrobenzene-d5	70		%	1	10/02/25	MR	30 - 130 %
% Phenol-d5	58		%	1	10/02/25	MR	30 - 130 %
% Terphenyl-d14	50		%	1	10/02/25	MR	30 - 130 %

TCLP Acid/Base-Neutral

1,4-Dichlorobenzene	ND	83	ug/L	1	09/27/25	MR	SW-846 1311/8270
2,4,5-Trichlorophenol	ND	83	ug/L	1	09/27/25	MR	SW-846 1311/8270
2,4,6-Trichlorophenol	ND	83	ug/L	1	09/27/25	MR	SW-846 1311/8270
2,4-Dinitrotoluene	ND	83	ug/L	1	09/27/25	MR	SW-846 1311/8270
2-Methylphenol (o-cresol)	ND	83	ug/L	1	09/27/25	MR	SW-846 1311/8270
3&4-Methylphenol (m&p-Cresol)	ND	83	ug/L	1	09/27/25	MR	SW-846 1311/8270
Hexachlorobenzene	ND	83	ug/L	1	09/27/25	MR	SW-846 1311/8270
Hexachlorobutadiene	ND	83	ug/L	1	09/27/25	MR	SW-846 1311/8270
Hexachloroethane	ND	83	ug/L	1	09/27/25	MR	SW-846 1311/8270
Nitrobenzene	ND	83	ug/L	1	09/27/25	MR	SW-846 1311/8270
Pentachlorophenol	ND	83	ug/L	1	09/27/25	MR	SW-846 1311/8270
Pyridine	ND	83	ug/L	1	09/27/25	MR	SW-846 1311/8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	98		%	1	09/27/25	MR	15 - 110 %
% 2-Fluorobiphenyl	60		%	1	09/27/25	MR	30 - 130 %
% 2-Fluorophenol	62		%	1	09/27/25	MR	15 - 110 %
% Nitrobenzene-d5	70		%	1	09/27/25	MR	30 - 130 %
% Phenol-d5	58		%	1	09/27/25	MR	15 - 110 %
% Terphenyl-d14	77		%	1	09/27/25	MR	30 - 130 %
Semivolatile Library Search	Completed				10/02/25	MR	

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

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

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

Comments:

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.

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.

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.

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
October 06, 2025
Reviewed and Released by: Anil Makol, Project Manager

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: DEP 114

Lab Name: Phoenix Environmental Labs Client: AES-EASTSIDE

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCU3499(

Matrix:(soil/water): SOIL Lab Sample ID: CU34990

Sample wt/vol: 3.41 (g/mL) g Lab File ID: 0928_14.D

Level: (low/med): Low Date Received: 09/25/25

% Moisture: not dec. 14 Date Analyzed: 09/28/25

GC Column: RTX-VMS ID: 0.18mm Dilution Factor: 1

Purge Volume: 5000 (uL) Soil Aliquot Vol (uL): 5000

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
91-20-3	Naphthalene	10.048	8.7	Q

FORM I VOA-TIC

J - Used when estimating a concentration for TIC where a 1:1 response is assumed or when the result indicates the presence of a compound that meets the indentification criteria, but the results is less than the quantitation limit, but greater than zero.
N - The concentration is based on the response of the nearest internal. This flag is used on the TIC form for all compounds identified
Q - For TICS, this compound was quantitated using a calibration curve. This compound is part of the instrument method, but not part of the client target list.

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: DEP 113

Lab Name: Phoenix Environmental Labs Client: AES-EASTSIDE

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCU3499(

Matrix:(soil/water): SOIL Lab Sample ID: CU34991

Sample wt/vol: 4.25 (g/mL) g Lab File ID: 0929_11.D

Level: (low/med): Low Date Received: 09/25/25

% Moisture: not dec. 19 Date Analyzed: 09/29/25

GC Column: RTX-VMS ID: 0.18mm Dilution Factor: 1

Purge Volume: 5000 (uL) Soil Aliquot Vol (uL): 5000

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
91-20-3	Naphthalene	10.048	3.4	Q

FORM I VOA-TIC

J - Used when estimating a concentration for TIC where a 1:1 response is assumed or when the result indicates the presence of a compound that meets the indentification criteria, but the results is less than the quantitation limit, but greater than zero.
N - The concentration is based on the response of the nearest internal. This flag is used on the TIC form for all compounds identified
Q - For TICS, this compound was quantitated using a calibration curve. This compound is part of the instrument method, but not part of the client target list.

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: DEP 112

Lab Name: Phoenix Environmental Labs Client: AES-EASTSIDE

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCU3499(

Matrix:(soil/water): SOIL Lab Sample ID: CU34992

Sample wt/vol: 5.55 (g/mL) g Lab File ID: 0928_16.D

Level: (low/med): Low Date Received: 09/25/25

% Moisture: not dec. 27 Date Analyzed: 09/28/25

GC Column: RTX-VMS ID: 0.18mm Dilution Factor: 1

Purge Volume: 5000 (uL) Soil Aliquot Vol (uL): 5000

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

J - Used when estimating a concentration for TIC where a 1:1 response is assumed or when the result indicates the presence of a compound that meets the indentification criteria, but the results is less than the quantitation limit, but greater than zero.
N - The concentration is based on the response of the nearest internal. This flag is used on the TIC form for all compounds identified
Q - For TICS, this compound was quantitated using a calibration curve. This compound is part of the instrument method, but not part of the client target list.

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: DEP 114

Lab Name: Phoenix Environmental Labs | Client: AES-EASTSIDE

Lab Code: Phoenix | Case No.: | SAS No.: | SDG No.: GCU3499(

Matrix:(soil/water): SOIL | Lab Sample ID: CU34990

Sample wt/vol: 15.21 (g/mL) g | Lab File ID: 1002_13.D

Level: (low/med): Low | Date Received: 09/25/25

% Moisture: not dec. 14 | decanted:(Y/N) NA | Date Extracted: 10/02/25

GPC Cleanup (Y/N): N | pH: NA | Date Analyzed: 10/2/2025

Conc. Extract Volume: 1000 (uL) | Dilution Factor 10

Injection Volume: 1 (uL)

Number TICs found: 15 | CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000080-56-8	.alpha.-Pinene	2.727	6200	JNC
	unknown hydrocarbon	7.645	6700	J
	unknown hydrocarbon	7.721	8900	J
1000197-14-1	4b,8-Dimethyl-2-isopropylphenanthr	7.862	31000	JN
032624-67-2	10,18-Bisnorabieta-8,11,13-triene	7.939	6700	JN
006566-19-4	10,18-Bisnorabieta-5,7,9(10),11,13	8.138	55000	JN
	unknown hydrocarbon	8.162	7400	J
	unknown hydrocarbon	8.697	5600	J
	unknown hydrocarbon	9.020	6700	J
	unknown hydrocarbon	9.296	20000	J
001740-19-8	1-Phenanthrenecarboxylic acid, 1,2	9.466	25000	JN
000514-10-3	Abietic acid	9.754	87000	JN
	unknown hydrocarbon	9.907	8600	J
	unknown hydrocarbon	10.189	13000	J
000192-97-2	Benzo[e]pyrene	12.163	8000	JN

FORM I SEMIVOA-TIC

A - Indicates that the tentatively identified compound is a suspected aldol condensation product. Aldol condensation products are produced during the extraction process.

C - Indicates that the tentatively identified compound is a suspected prep artifact produced during extraction process.

Q - For TICS, this compound was quantitated using a calibration curve. This compound is part of the instrument method, but not part of the client target list.

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: DEP 113

Lab Name: Phoenix Environmental Labs | Client: AES-EASTSIDE

Lab Code: Phoenix | Case No.: | SAS No.: | SDG No.: GCU3499(

Matrix:(soil/water): SOIL | Lab Sample ID: CU34991

Sample wt/vol: 15.09 (g/mL) g | Lab File ID: 1001_26.D

Level: (low/med): Low | Date Received: 09/25/25

% Moisture: not dec. 19 | decanted:(Y/N) NA | Date Extracted: 10/02/25

GPC Cleanup (Y/N): N | pH: NA | Date Analyzed: 10/2/2025

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

Injection Volume: 1 (uL)

Number TICs found: 12 | CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	2.281	1500	JNA
023676-09-7	Benzoic acid, 4-ethoxy-, ethyl est	6.081	630	JNC
018435-45-5	1-Nonadecene	7.187	800	JN
002531-84-2	Phenanthrene, 2-methyl-	7.751	480	JN
	Phenanthrene, 1-methyl- Isomer	7.775	400	JN
000832-69-9	Phenanthrene, 1-methyl-	7.816	390	JN
	unknown hydrocarbon	7.845	940	J
000084-65-1	9,10-Anthracenedione	8.039	400	JN
000238-84-6	11H-Benzo[a]fluorene	8.963	390	JN
	unknown hydrocarbon	12.069	440	J
000207-08-9	Benzo[k]fluoranthene	13.022	1400	JN
000198-55-0	Perylene	13.380	980	JN

FORM I SEMIVOA-TIC

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: DEP 112

Lab Name: Phoenix Environmental Labs Client: AES-EASTSIDE

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCU3499(

Matrix:(soil/water) SOIL Lab Sample ID: CU34992

Sample wt/vol: 15.32 (g/mL) g Lab File ID: 1001_27.D

Level: (low/med) Low Date Received: 09/25/25

% Moisture: not dec. 27 decanted:(Y/N) NA Date Extracted: 10/02/25

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 10/2/2025

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

Injection Volume: 1 (uL)

Number TICs found: 13 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	2.281	1700	JNA
023676-09-7	Benzoic acid, 4-ethoxy-, ethyl est	6.081	850	JNC
018435-45-5	1-Nonadecene	7.186	410	JN
	unknown hydrocarbon	7.851	600	J
000629-62-9	Pentadecane	7.963	660	JN
000112-95-8	Eicosane	8.316	770	JN
	unknown hydrocarbon	8.680	940	J
	unknown hydrocarbon	9.080	1200	J
	unknown hydrocarbon	9.533	1300	J
000544-76-3	Hexadecane	10.063	1200	JN
000629-92-5	Nonadecane	10.675	1500	JN
1000309-12-2	Sulfurous acid, 2-propyl undecyl e	11.398	1100	JN
	unknown hydrocarbon	16.768	2100	J

FORM I SEMIVOA-TIC

A - Indicates that the tentatively identified compound is a suspected aldol condensation product. Aldol condensation products are produced during the extraction process.

C - Indicates that the tentatively identified compound is a suspected prep artifact produced during extraction process.

Q - For TICS, this compound was quantitated using a calibration curve. This compound is part of the instrument method, but not part of the client target list.

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

NY # 11301

QA/QC Report

October 06, 2025

QA/QC Data

SDG I.D.: GCU34990

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 805514 (mg/kg), QC Sample No: CU34420 (CU34990, CU34991, CU34992)													
Chromium, Hexavalent - Soil													
Chromium, Hexavalent	BRL	0.40	<0.40	<0.39	NC	98.4						80 - 120	30
Chromium, Hexavalent (Ins)						98.6			91.0			80 - 120	30
Chromium, Hexavalent (Sol)						91.3			74.7			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 805184 (mg/kg), QC Sample No: CU34682 (CU34990, CU34991, CU34992)													
Mercury - Soil	BRL	0.075	0.169	0.139	NC	107			115			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 805193 (mg/L), QC Sample No: CU35005 (CU34990, CU34991, CU34992)													
Mercury - Water	BRL	0.0002	<0.0002	<0.0002	NC	100			99.6			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 805195 (mg/L), QC Sample No: CU34420 (CU34990, CU34991, CU34992)													
ICP Metals - TCLP Extraction													
Arsenic	BRL	0.01	<0.01	<0.01	NC	108	108	0.0	109			80 - 120	20
Barium	BRL	0.01	0.81	0.81	0	104	105	1.0	107			80 - 120	20
Cadmium	BRL	0.005	<0.005	<0.005	NC	103	104	1.0	98.4			80 - 120	20
Chromium	BRL	0.010	<0.010	<0.010	NC	103	104	1.0	101			80 - 120	20
Lead	BRL	0.010	<0.010	<0.010	NC	99.5	100	0.5	98.1			80 - 120	20
Selenium	BRL	0.05	<0.05	<0.05	NC	110	110	0.0	111			80 - 120	20
Silver	BRL	0.010	<0.010	<0.010	NC	106	107	0.9	111			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 805493 (mg/kg), QC Sample No: CU35035 (CU34990, CU34991, CU34992)													
ICP Metals - Soil													
Aluminum	BRL	5.0	6110	6030	1.30	98.4	98.3	0.1	NC			75 - 125	30
Antimony	BRL	3.3	<3.6	<3.4	NC	85.4	87.9	2.9	88.8			75 - 125	30
Arsenic	BRL	0.67	1.11	0.91	NC	91.2	90.9	0.3	92.1			75 - 125	30
Barium	BRL	0.33	30.1	27.2	10.1	106	99.1	6.7	108			75 - 125	30
Beryllium	BRL	0.27	0.30	0.29	NC	91.2	94.7	3.8	100			75 - 125	30
Cadmium	BRL	0.33	<0.36	<0.34	NC	89.0	89.9	1.0	98.7			75 - 125	30
Calcium	BRL	5.0	1040	866	18.3	93.1	95.0	2.0	NC			75 - 125	30
Chromium	BRL	0.33	12.8	12.9	0.80	91.0	92.7	1.9	103			75 - 125	30

QA/QC Data

SDG I.D.: GCU34990

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Cobalt	BRL	0.33	4.85	4.53	6.80	96.3	95.3	1.0	99.9			75 - 125	30	
Copper	BRL	0.67	12.4	11.6	6.70	94.4	94.9	0.5	103			75 - 125	30	
Iron	BRL	5.0	10900	10600	2.80	99.7	99.2	0.5	NC			75 - 125	30	
Lead	BRL	0.33	15.3	8.94	52.5	93.1	91.7	1.5	96.4			75 - 125	30	r
Magnesium	BRL	5.0	2320	2070	11.4	96.4	95.6	0.8	NC			75 - 125	30	
Manganese	BRL	0.33	229	217	5.40	98.4	95.3	3.2	NC			75 - 125	30	
Nickel	BRL	0.33	10.1	9.93	1.70	90.8	93.0	2.4	100			75 - 125	30	
Potassium	BRL	5.0	735	633	14.9	98.4	98.0	0.4	>130			75 - 125	30	m
Selenium	BRL	1.3	<1.4	<1.4	NC	85.4	86.2	0.9	84.5			75 - 125	30	
Silver	BRL	0.33	<0.36	<0.34	NC	96.7	96.4	0.3	97.3			75 - 125	30	
Sodium	BRL	5.0	130	96.0	30.1	94.1	96.2	2.2	121			75 - 125	30	
Thallium	BRL	3.0	<3.2	<3.1	NC	89.3	88.3	1.1	96.6			75 - 125	30	
Vanadium	BRL	0.33	20.2	21.3	5.30	91.7	92.3	0.7	104			75 - 125	30	
Zinc	BRL	0.67	32.7	33.9	3.60	89.9	90.7	0.9	103			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%.

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

NY # 11301

QA/QC Report

October 06, 2025

QA/QC Data

SDG I.D.: GCU34990

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 805460 (mg/Kg), QC Sample No: CU32895 (CU34990, CU34991, CU34992)													
Total Cyanide (SW9010C Distill.)	BRL	0.50	<0.53	<0.53	NC	107	90.2	17.0	104			80 - 120	30
Comment:													
Additional: MS acceptance range is 75-125%.													
QA/QC Batch 805708 (mg/Kg), QC Sample No: CU34938 (CU34990)													
Reactivity Cyanide	BRL	5	<5	<5.1	NC	94.4						85 - 115	30
Reactivity Sulfide	BRL	20	<20	<20	NC	92.0						80 - 120	30
QA/QC Batch 805973 (mg/Kg), QC Sample No: CU34991 (CU34991, CU34992)													
Reactivity Cyanide	BRL	5	<6	<6.1	NC	94.6						85 - 115	30
Reactivity Sulfide	BRL	20	<20	<20	NC	92.0						80 - 120	30
QA/QC Batch 805586 (Degree F), QC Sample No: CU34877 (CU34990, CU34991, CU34992)													
Flash Point			>200	>200	NC	103						75 - 125	30
Comment:													
Additional criteria matrix spike acceptance range is 75-125%.													
QA/QC Batch 805166 (PH), QC Sample No: CU34891 (CU34990, CU34991, CU34992)													
pH			7.03	7.03	0	100						85 - 115	20

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

October 06, 2025

QA/QC Data

SDG I.D.: GCU34990

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 806046 (mg/kg), QC Sample No: CU35005 (CU34990, CU34991, CU34992)											
Extractable Petroleum Hydrocarbons - Soil											
C9-C28	ND	10	90	94	4.3	99	87	12.9	40 - 140	25	
C9-C28 #2 Fuel / Diesel			108	103	4.7				40 - 140	25	
>C28-C40	ND	10	80	86	7.2	90	81	10.5	40 - 140	25	
C9 - Nonane	ND	3.3	78	78	0.0	85	76	11.2	40 - 140	25	
C10 - Decane	ND	3.3	80	80	0.0	88	77	13.3	40 - 140	25	
C12 - Dodecane	ND	3.3	84	86	2.4	93	82	12.6	40 - 140	25	
C14 - Tetradecane	ND	3.3	86	89	3.4	96	85	12.2	40 - 140	25	
C16 - Hexadecane	ND	3.3	88	92	4.4	99	86	14.1	40 - 140	25	
C18 - Octadecane	ND	3.3	102	107	4.8	110	100	9.5	40 - 140	25	
C20 - Eicosane	ND	3.3	90	118	26.9	101	89	12.6	40 - 140	25	r
C21 - Heneicosane	ND	3.3	100	103	3.0	110	97	12.6	40 - 140	25	
C22 - Docosane	ND	3.3	101	106	4.8	106	98	7.8	40 - 140	25	
C24 - Tetracosane	ND	3.3	89	93	4.4	99	86	14.1	40 - 140	25	
C26 - Hexacosane	ND	3.3	89	92	3.3	99	86	14.1	40 - 140	25	
C28 - Octacosane	ND	3.3	89	92	3.3	99	87	12.9	40 - 140	25	
C30 - Tricotane	ND	3.3	87	91	4.5	97	85	13.2	40 - 140	25	
C32 - Dotriacontance	ND	3.3	86	91	5.6	98	84	15.4	40 - 140	25	
C34 - Tetratriacontane	ND	3.3	84	90	6.9	98	85	14.2	40 - 140	25	
C36 - Hexatriacontane	ND	3.3	77	85	9.9	90	81	10.5	40 - 140	25	
C38 - Octatriacontane	ND	3.3	74	82	10.3	83	77	7.5	40 - 140	25	
C40 - Tetracontane	ND	3.3	69	74	7.0	76	74	2.7	40 - 140	25	
% COD (surr)	78	%	84	87	3.5	97	84	14.4	40 - 140	25	
% Terphenyl (surr)	108	%	110	114	3.6	123	106	14.8	40 - 140	25	
Comment:											
Additional EPH fractionation criteria: Breakthrough criteria (BT) is 0 to 5%											
QA/QC Batch 805110 (mg/Kg), QC Sample No: CU33713 (CU34990, CU34991, CU34992)											
TPH by GC (Extractable Products) - Soil											
Ext. Petroleum HC	ND	50	107	116	8.1	122	113	7.7	30 - 130	30	
% Terphenyl-d14	78	%	97	102	5.0	102	91	11.4	50 - 150	30	
% Tricosane(C23)	96	%	98	104	5.9	105	96	9.0	60 - 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 805936 (mg/Kg), QC Sample No: CU36214 (CU34990 (50X) , CU34991 (50X) , CU34992 (50X))											
Gasoline Range Hydrocarbons (C6C10) - Soil											
GRO (C6-C10)	ND	0.10	111	112	0.9	108	111	2.7	70 - 130	30	
% 2,5-Dibromotoluene (FID)	115	%	112	114	1.8	119	124	4.1	70 - 130	30	

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 805545 (ug/L), QC Sample No: CU34101 (CU34990, CU34991, CU34992)										
Chlorinated Herbicides										
2,4,5-TP (Silvex)	ND	2.5	83	79	4.9				40 - 140	20
2,4-D	ND	5.0	76	90	16.9				40 - 140	20
% DCAA (Surrogate Rec)	112	%	116	104	10.9				30 - 150	20
% DCAA (Surrogate Rec) (Confirm	129	%	131	111	16.5				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 805499 (ug/Kg), QC Sample No: CU36180 (CU34990, CU34991, CU34992)										
Chlorinated Herbicides - Soil										
2,4,5-T	ND	130	52	55	5.6	66	69	4.4	40 - 140	30
2,4,5-TP (Silvex)	ND	130	70	76	8.2	74	75	1.3	40 - 140	30
2,4-D	ND	250	58	62	6.7	59	60	1.7	40 - 140	30
2,4-DB	ND	2500	50	51	2.0	50	53	5.8	40 - 140	30
Dalapon	ND	130	66	72	8.7	60	63	4.9	40 - 140	30
Dicamba	ND	130	65	69	6.0	57	56	1.8	40 - 140	30
Dichloroprop	ND	130	70	76	8.2	73	73	0.0	40 - 140	30
Dinoseb	ND	130	71	77	8.1	76	75	1.3	40 - 140	30
% DCAA (Surrogate Rec)	79	%	87	86	1.2	88	83	5.8	30 - 150	30
% DCAA (Surrogate Rec) (Confirm	81	%	84	82	2.4	84	80	4.9	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 805874 (ug/Kg), QC Sample No: CU34938 (CU34990, CU34991, CU34992)										
Polychlorinated Biphenyls - Soil										
PCB-1016	ND	33	88	83	5.8	71	81	13.2	40 - 140	30
PCB-1221	ND	33							40 - 140	30
PCB-1232	ND	33							40 - 140	30
PCB-1242	ND	33							40 - 140	30
PCB-1248	ND	33							40 - 140	30
PCB-1254	ND	33							40 - 140	30
PCB-1260	ND	33	83	85	2.4	69	81	16.0	40 - 140	30
PCB-1262	ND	33							40 - 140	30
PCB-1268	ND	33							40 - 140	30
% DCBP (Surrogate Rec)	76	%	90	87	3.4	72	82	13.0	30 - 150	30
% DCBP (Surrogate Rec) (Confirm	65	%	79	74	6.5	63	72	13.3	30 - 150	30
% TCMX (Surrogate Rec)	75	%	91	86	5.6	74	86	15.0	30 - 150	30
% TCMX (Surrogate Rec) (Confirm	54	%	79	72	9.3	63	75	17.4	30 - 150	30
QA/QC Batch 805667 (ug/L), QC Sample No: CU34990 (CU34990, CU34991, CU34992)										
Pesticides										
4,4' -DDD	ND	0.25	71	84	16.8	81			40 - 140	20
4,4' -DDE	ND	0.25	69	81	16.0	80			40 - 140	20
4,4' -DDT	ND	0.25	75	89	17.1	88			40 - 140	20
a-BHC	ND	0.15	66	77	15.4	78			40 - 140	20
Alachlor	ND	0.50	NA	NA	NC	NA			40 - 140	20
Aldrin	ND	0.15	66	76	14.1	76			40 - 140	20
b-BHC	ND	0.15	81	93	13.8	93			40 - 140	20
Chlordane	ND	5.0	68	79	15.0	79			40 - 140	20
d-BHC	ND	0.50	74	87	16.1	86			40 - 140	20
Dieldrin	ND	0.15	72	85	16.6	83			40 - 140	20

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Endosulfan I	ND	0.50	69	79	13.5	77			40 - 140	20
Endosulfan II	ND	0.50	78	92	16.5	92			40 - 140	20
Endosulfan sulfate	ND	0.50	84	99	16.4	97			40 - 140	20
Endrin	ND	0.50	81	93	13.8	96			40 - 140	20
Endrin aldehyde	ND	0.50	79	91	14.1	90			40 - 140	20
g-BHC	ND	0.15	72	82	13.0	83			40 - 140	20
Heptachlor	ND	0.50	66	75	12.8	76			40 - 140	20
Heptachlor epoxide	ND	0.50	64	74	14.5	74			40 - 140	20
Methoxychlor	ND	0.50	81	95	15.9	94			40 - 140	20
Toxaphene	ND	20	NA	NA	NC	NA			40 - 140	20
% DCBP	66	%	76	88	14.6	87			30 - 150	20
% DCBP (Confirmation)	53	%	60	68	12.5	69			30 - 150	20
% TCMX	47	%	62	68	9.2	69			30 - 150	20
% TCMX (Confirmation)	51	%	67	75	11.3	70			30 - 150	20

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 806051 (ug/Kg), QC Sample No: CU38243 (CU34990, CU34991, CU34992)

Pesticides - Soil

4,4' -DDD	ND	1.7	67	76	12.6	56	63	11.8	40 - 140	30
4,4' -DDE	ND	1.7	64	71	10.4	54	59	8.8	40 - 140	30
4,4' -DDT	ND	1.7	67	77	13.9	55	59	7.0	40 - 140	30
a-BHC	ND	1.0	62	67	7.8	55	57	3.6	40 - 140	30
a-Chlordane	ND	3.3	63	70	10.5	51	58	12.8	40 - 140	30
Aldrin	ND	1.0	60	66	9.5	50	54	7.7	40 - 140	30
b-BHC	ND	1.0	73	79	7.9	59	67	12.7	40 - 140	30
Chlordane	ND	33	65	71	8.8	53	60	12.4	40 - 140	30
d-BHC	ND	3.3	71	81	13.2	62	72	14.9	40 - 140	30
Dieldrin	ND	1.0	63	70	10.5	53	58	9.0	40 - 140	30
Endosulfan I	ND	3.3	64	66	3.1	48	54	11.8	40 - 140	30
Endosulfan II	ND	3.3	66	74	11.4	46	57	21.4	40 - 140	30
Endosulfan sulfate	ND	3.3	71	80	11.9	56	64	13.3	40 - 140	30
Endrin	ND	3.3	66	76	14.1	57	63	10.0	40 - 140	30
Endrin aldehyde	ND	3.3	67	74	9.9	52	59	12.6	40 - 140	30
Endrin ketone	ND	3.3	74	81	9.0	56	68	19.4	40 - 140	30
g-BHC	ND	1.0	67	74	9.9	54	61	12.2	40 - 140	30
g-Chlordane	ND	3.3	65	71	8.8	53	60	12.4	40 - 140	30
Heptachlor	ND	3.3	59	66	11.2	50	51	2.0	40 - 140	30
Heptachlor epoxide	ND	3.3	60	66	9.5	49	54	9.7	40 - 140	30
Methoxychlor	ND	3.3	67	77	13.9	53	60	12.4	40 - 140	30
Toxaphene	ND	130	NA	NA	NC	NA	NA	NC	40 - 140	30
% DCBP	71	%	62	71	13.5	54	60	10.5	30 - 150	30
% DCBP (Confirmation)	75	%	68	74	8.5	59	64	8.1	30 - 150	30
% TCMX	69	%	61	67	9.4	55	53	3.7	30 - 150	30
% TCMX (Confirmation)	66	%	61	67	9.4	53	52	1.9	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 805383 (ug/L), QC Sample No: CU33443 (CU34990, CU34991, CU34992)

Semivolatiles - TCLP

1,4-Dichlorobenzene	ND	17	56	60	6.9	54			40 - 140	20
2,4,5-Trichlorophenol	ND	17	87	90	3.4	83			40 - 140	20

QA/QC Data

SDG I.D.: GCU34990

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
2,4,6-Trichlorophenol	ND	17	90	94	4.3	84			30 - 130	20	
2,4-Dinitrotoluene	ND	58	97	104	7.0	95			30 - 130	20	
2-Methylphenol (o-cresol)	ND	17	74	80	7.8	72			40 - 140	20	
3&4-Methylphenol (m&p-cresol)	ND	17	82	90	9.3	76			30 - 130	20	
Hexachlorobenzene	ND	58	87	95	8.8	85			40 - 140	20	
Hexachlorobutadiene	ND	58	59	61	3.3	56			40 - 140	20	
Hexachloroethane	ND	58	58	62	6.7	56			40 - 140	20	
Nitrobenzene	ND	58	81	89	9.4	78			40 - 140	20	
Pentachlorophenol	ND	58	71	78	9.4	69			30 - 130	20	
Pyridine	ND	83	62	69	10.7	65			40 - 140	20	
% 2,4,6-Tribromophenol	102	%	98	103	5.0	96			15 - 110	20	
% 2-Fluorobiphenyl	72	%	74	77	4.0	70			30 - 130	20	
% 2-Fluorophenol	71	%	65	71	8.8	65			15 - 110	20	
% Nitrobenzene-d5	85	%	76	84	10.0	74			30 - 130	20	
% Phenol-d5	67	%	59	67	12.7	59			15 - 110	20	
% Terphenyl-d14	85	%	82	86	4.8	76			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 Batch 806030 (ug/kg), QC Sample No: CU35029 (CU34990, CU34991, CU34992)

Semivolatiles - Soil

1,1-Biphenyl	ND	230	63	58	8.3	61	64	4.8	40 - 140	30	
1,2,4,5-Tetrachlorobenzene	ND	230	71	47	40.7	73	56	26.4	40 - 140	30	r
2,2'-Oxybis(1-Chloropropane)	ND	230	50	49	2.0	52	48	8.0	40 - 140	30	
2,3,4,6-tetrachlorophenol	ND	230	76	69	9.7	55	77	33.3	30 - 130	30	r
2,4,5-Trichlorophenol	ND	230	81	65	21.9	70	74	5.6	40 - 140	30	
2,4,6-Trichlorophenol	ND	130	90	71	23.6	73	77	5.3	30 - 130	30	
2,4-Dichlorophenol	ND	130	71	67	5.8	67	72	7.2	30 - 130	30	
2,4-Dimethylphenol	ND	230	73	69	5.6	63	68	7.6	30 - 130	30	
2,4-Dinitrophenol	ND	230	63	53	17.2	77	85	9.9	30 - 130	30	
2,4-Dinitrotoluene	ND	130	79	73	7.9	57	81	34.8	30 - 130	30	r
2,6-Dinitrotoluene	ND	130	73	67	8.6	69	77	11.0	40 - 140	30	
2-Chloronaphthalene	ND	230	67	61	9.4	65	67	3.0	40 - 140	30	
2-Chlorophenol	ND	230	56	61	8.5	62	60	3.3	30 - 130	30	
2-Methylnaphthalene	ND	230	80	56	35.3	67	66	1.5	40 - 140	30	r
2-Methylphenol (o-cresol)	ND	230	63	60	4.9	61	62	1.6	40 - 140	30	
2-Nitroaniline	ND	330	107	98	8.8	98	106	7.8	40 - 140	30	
2-Nitrophenol	ND	230	69	70	1.4	66	67	1.5	40 - 140	30	
3&4-Methylphenol (m&p-cresol)	ND	230	57	67	16.1	66	60	9.5	30 - 130	30	
3,3'-Dichlorobenzidine	ND	130	82	77	6.3	68	66	3.0	40 - 140	30	
3-Nitroaniline	ND	330	79	73	7.9	71	81	13.2	40 - 140	30	
4,6-Dinitro-2-methylphenol	ND	230	76	69	9.7	80	89	10.7	30 - 130	30	
4-Bromophenyl phenyl ether	ND	230	61	59	3.3	61	66	7.9	40 - 140	30	
4-Chloro-3-methylphenol	ND	230	79	61	25.7	71	75	5.5	30 - 130	30	
4-Chloroaniline	ND	230	72	64	11.8	72	65	10.2	40 - 140	30	
4-Chlorophenyl phenyl ether	ND	230	71	65	8.8	69	72	4.3	40 - 140	30	
4-Nitroaniline	ND	230	76	70	8.2	75	81	7.7	40 - 140	30	
4-Nitrophenol	ND	230	100	91	9.4	93	106	13.1	30 - 130	30	
Acenaphthene	ND	230	67	63	6.2	65	69	6.0	30 - 130	30	
Acenaphthylene	ND	130	59	54	8.8	54	60	10.5	40 - 140	30	
Acetophenone	ND	230	50	58	14.8	58	51	12.8	40 - 140	30	
Anthracene	ND	230	66	61	7.9	64	70	9.0	40 - 140	30	

QA/QC Data

SDG I.D.: GCU34990

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Atrazine	ND	130	59	57	3.4	54	60	10.5	40 - 140	30	
Benz(a)anthracene	ND	230	68	64	6.1	65	73	11.6	40 - 140	30	
Benzaldehyde	ND	230	105	115	9.1	122	120	1.7	40 - 140	30	
Benzo(a)pyrene	ND	130	65	61	6.3	62	68	9.2	40 - 140	30	
Benzo(b)fluoranthene	ND	160	65	63	3.1	62	69	10.7	40 - 140	30	
Benzo(ghi)perylene	ND	230	68	65	4.5	65	73	11.6	40 - 140	30	
Benzo(k)fluoranthene	ND	230	64	59	8.1	62	69	10.7	40 - 140	30	
Benzyl butyl phthalate	ND	230	68	64	6.1	71	72	1.4	40 - 140	30	
Bis(2-chloroethoxy)methane	ND	230	63	59	6.6	59	62	5.0	40 - 140	30	
Bis(2-chloroethyl)ether	ND	130	53	57	7.3	59	56	5.2	40 - 140	30	
Bis(2-ethylhexyl)phthalate	ND	230	69	65	6.0	66	73	10.1	40 - 140	30	
Caprolactam	ND	230	76	60	23.5	86	78	9.8	40 - 140	30	
Carbazole	ND	230	66	61	7.9	64	71	10.4	40 - 140	30	
Chrysene	ND	230	64	59	8.1	61	69	12.3	40 - 140	30	
Dibenz(a,h)anthracene	ND	130	71	68	4.3	69	77	11.0	40 - 140	30	
Dibenzofuran	ND	230	70	65	7.4	52	72	32.3	40 - 140	30	r
Diethyl phthalate	ND	230	75	67	11.3	54	76	33.8	40 - 140	30	r
Dimethylphthalate	ND	230	71	65	8.8	65	74	12.9	40 - 140	30	
Di-n-butylphthalate	ND	670	67	63	6.2	64	69	7.5	40 - 140	30	
Di-n-octylphthalate	ND	230	78	72	8.0	75	84	11.3	40 - 140	30	
Fluoranthene	ND	230	67	64	4.6	70	72	2.8	40 - 140	30	
Fluorene	ND	230	73	66	10.1	70	74	5.6	40 - 140	30	
Hexachlorobenzene	ND	130	69	65	6.0	68	71	4.3	40 - 140	30	
Hexachlorobutadiene	ND	230	64	52	20.7	74	57	26.0	40 - 140	30	
Hexachlorocyclopentadiene	ND	230	60	37	47.4	67	50	29.1	40 - 140	30	l,r
Hexachloroethane	ND	130	46	55	17.8	56	46	19.6	40 - 140	30	
Indeno(1,2,3-cd)pyrene	ND	230	73	68	7.1	69	77	11.0	40 - 140	30	
Isophorone	ND	130	69	58	17.3	80	62	25.4	40 - 140	30	
Naphthalene	ND	230	61	56	8.5	70	56	22.2	40 - 140	30	
Nitrobenzene	ND	130	47	63	29.1	63	56	11.8	40 - 140	30	
N-Nitrosodimethylamine	ND	230	39	49	22.7	49	46	6.3	40 - 140	30	l
N-Nitrosodi-n-propylamine	ND	130	51	59	14.5	59	53	10.7	40 - 140	30	
N-Nitrosodiphenylamine	ND	130	69	60	14.0	62	66	6.3	40 - 140	30	
Pentachlorophenol	ND	230	73	69	5.6	73	81	10.4	30 - 130	30	
Phenanthrene	ND	130	65	61	6.3	64	69	7.5	40 - 140	30	
Phenol	ND	230	55	63	13.6	64	63	1.6	30 - 130	30	
Pyrene	ND	230	63	61	3.2	64	64	0.0	30 - 130	30	
% 2,4,6-Tribromophenol	83	%	74	73	1.4	78	89	13.2	30 - 130	30	
% 2-Fluorobiphenyl	64	%	60	61	1.7	62	65	4.7	30 - 130	30	
% 2-Fluorophenol	59	%	40	53	28.0	54	51	5.7	30 - 130	30	
% Nitrobenzene-d5	60	%	41	59	36.0	59	53	10.7	30 - 130	30	r
% Phenol-d5	60	%	49	59	18.5	59	60	1.7	30 - 130	30	
% Terphenyl-d14	56	%	50	53	5.8	53	53	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 805614 (ug/kg), QC Sample No: CU32169 (CU34990, CU34992)

Volatiles - Soil (Low Level)

1,1,1-Trichloroethane	ND	5.0	110	109	0.9	108	114	5.4	70 - 130	20	
1,1,2,2-Tetrachloroethane	ND	3.0	92	91	1.1	94	99	5.2	70 - 130	20	
1,1,2-Trichloroethane	ND	5.0	100	99	1.0	98	100	2.0	70 - 130	20	
1,1-Dichloroethane	ND	5.0	94	91	3.2	91	95	4.3	70 - 130	20	

QA/QC Data

SDG I.D.: GCU34990

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,1-Dichloroethene	ND	5.0	117	112	4.4	111	118	6.1	70 - 130	20	
1,2,3-Trichlorobenzene	ND	5.0	110	111	0.9	76	80	5.1	70 - 130	20	
1,2,3-Trichloropropane	ND	5.0	89	89	0.0	93	95	2.1	70 - 130	20	
1,2,4-Trichlorobenzene	ND	5.0	110	108	1.8	78	81	3.8	70 - 130	20	
1,2,4-Trimethylbenzene	ND	1.0	101	102	1.0	99	99	0.0	70 - 130	20	
1,2-Dibromo-3-chloropropane	ND	5.0	114	111	2.7	104	106	1.9	70 - 130	20	
1,2-Dibromoethane	ND	5.0	99	104	4.9	98	100	2.0	70 - 130	20	
1,2-Dichlorobenzene	ND	5.0	103	103	0.0	93	97	4.2	70 - 130	20	
1,2-Dichloroethane	ND	5.0	111	114	2.7	107	111	3.7	70 - 130	20	
1,2-Dichloropropane	ND	5.0	90	90	0.0	91	92	1.1	70 - 130	20	
1,3,5-Trimethylbenzene	ND	1.0	104	102	1.9	103	102	1.0	70 - 130	20	
1,3-Dichlorobenzene	ND	5.0	101	100	1.0	91	93	2.2	70 - 130	20	
1,3-Dichloropropane	ND	5.0	95	96	1.0	97	98	1.0	70 - 130	20	
1,4-Dichlorobenzene	ND	5.0	106	105	0.9	93	95	2.1	70 - 130	20	
1,4-dioxane	ND	100	82	87	5.9	92	79	15.2	70 - 130	20	
2-Hexanone	ND	25	80	87	8.4	62	62	0.0	70 - 130	20	m
4-Methyl-2-pentanone	ND	25	91	93	2.2	76	82	7.6	70 - 130	20	
Acetone	ND	10	79	80	1.3	70	71	1.4	70 - 130	20	
Benzene	ND	1.0	95	94	1.1	93	95	2.1	70 - 130	20	
Bromochloromethane	ND	5.0	102	99	3.0	97	101	4.0	70 - 130	20	
Bromodichloromethane	ND	5.0	113	113	0.0	106	108	1.9	70 - 130	20	
Bromoform	ND	5.0	112	116	3.5	100	104	3.9	70 - 130	20	
Bromomethane	ND	5.0	121	112	7.7	112	118	5.2	70 - 130	20	
Carbon Disulfide	ND	5.0	118	113	4.3	106	112	5.5	70 - 130	20	
Carbon tetrachloride	ND	5.0	114	111	2.7	105	111	5.6	70 - 130	20	
Chlorobenzene	ND	5.0	101	102	1.0	97	97	0.0	70 - 130	20	
Chloroethane	ND	5.0	119	112	6.1	111	123	10.3	70 - 130	20	
Chloroform	ND	5.0	99	95	4.1	96	101	5.1	70 - 130	20	
Chloromethane	ND	5.0	101	98	3.0	92	99	7.3	70 - 130	20	
cis-1,2-Dichloroethene	ND	5.0	100	97	3.0	93	101	8.2	70 - 130	20	
cis-1,3-Dichloropropene	ND	5.0	106	108	1.9	100	99	1.0	70 - 130	20	
Cyclohexane	ND	5.0	90	87	3.4	87	91	4.5	70 - 130	20	
Dibromochloromethane	ND	3.0	111	114	2.7	105	106	0.9	70 - 130	20	
Dichlorodifluoromethane	ND	5.0	160	153	4.5	139	148	6.3	70 - 130	20	l,m
Ethylbenzene	ND	1.0	100	99	1.0	98	99	1.0	70 - 130	20	
Isopropylbenzene	ND	1.0	98	96	2.1	100	103	3.0	70 - 130	20	
m&p-Xylene	ND	2.0	96	97	1.0	94	96	2.1	70 - 130	20	
Methyl ethyl ketone	ND	5.0	78	77	1.3	74	76	2.7	70 - 130	20	
Methyl t-butyl ether (MTBE)	ND	1.0	95	97	2.1	90	99	9.5	70 - 130	20	
Methylacetate	ND	5.0	80	79	1.3	88	93	5.5	70 - 130	20	
Methylcyclohexane	ND	5.0	96	97	1.0	91	90	1.1	70 - 130	20	
Methylene chloride	ND	5.0	103	102	1.0	100	105	4.9	70 - 130	20	
n-Butylbenzene	ND	1.0	103	100	3.0	85	81	4.8	70 - 130	20	
n-Propylbenzene	ND	1.0	100	97	3.0	101	102	1.0	70 - 130	20	
o-Xylene	ND	2.0	95	97	2.1	94	95	1.1	70 - 130	20	
p-Isopropyltoluene	ND	1.0	103	101	2.0	94	93	1.1	70 - 130	20	
sec-Butylbenzene	ND	1.0	97	95	2.1	94	93	1.1	70 - 130	20	
Styrene	ND	5.0	100	100	0.0	91	90	1.1	70 - 130	20	
tert-Butylbenzene	ND	1.0	102	101	1.0	103	104	1.0	70 - 130	20	
Tetrachloroethene	ND	5.0	106	107	0.9	105	104	1.0	70 - 130	20	
Toluene	ND	1.0	101	100	1.0	101	100	1.0	70 - 130	20	
trans-1,2-Dichloroethene	ND	5.0	89	87	2.3	85	90	5.7	70 - 130	20	
trans-1,3-Dichloropropene	ND	5.0	118	116	1.7	104	104	0.0	70 - 130	20	

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Trichloroethene	ND	5.0	105	105	0.0	103	106	2.9	70 - 130	20	
Trichlorofluoromethane	ND	5.0	126	123	2.4	120	126	4.9	70 - 130	20	
Trichlorotrifluoroethane	ND	5.0	132	128	3.1	128	134	4.6	70 - 130	20	l,m
Vinyl chloride	ND	5.0	111	107	3.7	103	109	5.7	70 - 130	20	
% 1,2-dichlorobenzene-d4	95	%	104	104	0.0	102	104	1.9	70 - 130	20	
% Bromofluorobenzene	100	%	98	100	2.0	96	96	0.0	70 - 130	20	
% Dibromofluoromethane	101	%	101	99	2.0	98	104	5.9	70 - 130	20	
% Toluene-d8	90	%	101	101	0.0	101	101	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 805666 (ug/L), QC Sample No: CU33984 (CU34990 (10X) , CU34991 (10X) , CU34992 (10X))

Volatiles - TCLP

1,1-Dichloroethene	ND	1.0	98	95	3.1				70 - 130	20	
1,2-Dichloroethane	ND	1.0	97	99	2.0				70 - 130	20	
1,4-Dichlorobenzene	ND	1.0	99	101	2.0				70 - 130	20	
Benzene	ND	0.70	97	100	3.0				70 - 130	20	
Carbon tetrachloride	ND	1.0	94	96	2.1				70 - 130	20	
Chlorobenzene	ND	1.0	98	99	1.0				70 - 130	20	
Chloroform	ND	1.0	95	94	1.1				70 - 130	20	
Methyl ethyl ketone	ND	5.0	105	103	1.9				70 - 130	20	
Tetrachloroethene	ND	1.0	100	101	1.0				70 - 130	20	
Trichloroethene	ND	1.0	99	100	1.0				70 - 130	20	
Vinyl chloride	ND	1.0	103	101	2.0				70 - 130	20	
% 1,2-dichlorobenzene-d4	97	%	99	99	0.0				70 - 130	20	
% Bromofluorobenzene	96	%	99	100	1.0				70 - 130	20	
% Dibromofluoromethane	98	%	95	93	2.1				70 - 130	20	
% Toluene-d8	94	%	98	97	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 805742 (ug/kg), QC Sample No: CU35365 (CU34991)

Volatiles - Soil (Low Level)

1,1,1-Trichloroethane	ND	5.0	111	113	1.8	111	119	7.0	70 - 130	20	
1,1,2,2-Tetrachloroethane	ND	3.0	92	93	1.1	109	115	5.4	70 - 130	20	
1,1,2-Trichloroethane	ND	5.0	103	101	2.0	93	97	4.2	70 - 130	20	
1,1-Dichloroethane	ND	5.0	96	95	1.0	96	101	5.1	70 - 130	20	
1,1-Dichloroethene	ND	5.0	120	120	0.0	119	126	5.7	70 - 130	20	
1,2,3-Trichlorobenzene	ND	5.0	110	109	0.9	50	53	5.8	70 - 130	20	m
1,2,3-Trichloropropane	ND	5.0	91	91	0.0	118	120	1.7	70 - 130	20	
1,2,4-Trichlorobenzene	ND	5.0	107	107	0.0	59	62	5.0	70 - 130	20	m
1,2,4-Trimethylbenzene	ND	1.0	102	102	0.0	98	110	11.5	70 - 130	20	
1,2-Dibromo-3-chloropropane	ND	5.0	109	108	0.9	106	108	1.9	70 - 130	20	
1,2-Dibromoethane	ND	5.0	103	101	2.0	100	103	3.0	70 - 130	20	
1,2-Dichlorobenzene	ND	5.0	103	103	0.0	88	97	9.7	70 - 130	20	
1,2-Dichloroethane	ND	5.0	112	111	0.9	112	109	2.7	70 - 130	20	
1,2-Dichloropropane	ND	5.0	92	92	0.0	88	91	3.4	70 - 130	20	
1,3,5-Trimethylbenzene	ND	1.0	103	104	1.0	104	118	12.6	70 - 130	20	
1,3-Dichlorobenzene	ND	5.0	100	101	1.0	90	99	9.5	70 - 130	20	
1,3-Dichloropropane	ND	5.0	97	96	1.0	102	102	0.0	70 - 130	20	
1,4-Dichlorobenzene	ND	5.0	102	103	1.0	92	101	9.3	70 - 130	20	
1,4-dioxane	ND	100	87	82	5.9	97	100	3.0	70 - 130	20	
2-Hexanone	ND	25	82	82	0.0	68	63	7.6	70 - 130	20	m

QA/QC Data

SDG I.D.: GCU34990

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
4-Methyl-2-pentanone	ND	25	95	92	3.2	83	77	7.5	70 - 130	20	
Acetone	ND	10	87	80	8.4	83	78	6.2	70 - 130	20	
Benzene	ND	1.0	94	95	1.1	94	95	1.1	70 - 130	20	
Bromochloromethane	ND	5.0	102	101	1.0	101	105	3.9	70 - 130	20	
Bromodichloromethane	ND	5.0	111	111	0.0	104	108	3.8	70 - 130	20	
Bromoform	ND	5.0	108	110	1.8	92	99	7.3	70 - 130	20	
Bromomethane	ND	5.0	120	121	0.8	122	123	0.8	70 - 130	20	
Carbon Disulfide	ND	5.0	118	119	0.8	108	116	7.1	70 - 130	20	
Carbon tetrachloride	ND	5.0	114	115	0.9	104	115	10.0	70 - 130	20	
Chlorobenzene	ND	5.0	102	102	0.0	96	102	6.1	70 - 130	20	
Chloroethane	ND	5.0	123	122	0.8	129	132	2.3	70 - 130	20	m
Chloroform	ND	5.0	101	102	1.0	102	108	5.7	70 - 130	20	
Chloromethane	ND	5.0	103	102	1.0	99	102	3.0	70 - 130	20	
cis-1,2-Dichloroethene	ND	5.0	101	103	2.0	99	103	4.0	70 - 130	20	
cis-1,3-Dichloropropene	ND	5.0	105	104	1.0	94	94	0.0	70 - 130	20	
Cyclohexane	ND	5.0	91	91	0.0	75	88	16.0	70 - 130	20	
Dibromochloromethane	ND	3.0	109	109	0.0	105	108	2.8	70 - 130	20	
Dichlorodifluoromethane	ND	5.0	154	159	3.2	145	148	2.0	70 - 130	20	l,m
Ethylbenzene	ND	1.0	99	100	1.0	96	102	6.1	70 - 130	20	
Isopropylbenzene	ND	1.0	95	96	1.0	107	123	13.9	70 - 130	20	
m&p-Xylene	ND	2.0	96	97	1.0	90	96	6.5	70 - 130	20	
Methyl ethyl ketone	ND	5.0	82	80	2.5	72	73	1.4	70 - 130	20	
Methyl t-butyl ether (MTBE)	ND	1.0	99	98	1.0	102	104	1.9	70 - 130	20	
Methylacetate	ND	5.0	80	82	2.5	93	94	1.1	70 - 130	20	
Methylcyclohexane	ND	5.0	96	96	0.0	65	78	18.2	70 - 130	20	m
Methylene chloride	ND	5.0	107	107	0.0	122	124	1.6	70 - 130	20	
n-Butylbenzene	ND	1.0	101	102	1.0	73	89	19.8	70 - 130	20	
n-Propylbenzene	ND	1.0	99	101	2.0	105	120	13.3	70 - 130	20	
o-Xylene	ND	2.0	95	96	1.0	87	95	8.8	70 - 130	20	
p-Isopropyltoluene	ND	1.0	102	102	0.0	87	104	17.8	70 - 130	20	
sec-Butylbenzene	ND	1.0	96	97	1.0	83	100	18.6	70 - 130	20	
Styrene	ND	5.0	100	99	1.0	86	92	6.7	70 - 130	20	
tert-Butylbenzene	ND	1.0	101	103	2.0	100	118	16.5	70 - 130	20	
Tetrachloroethene	ND	5.0	108	105	2.8	88	98	10.8	70 - 130	20	
Toluene	ND	1.0	102	102	0.0	95	99	4.1	70 - 130	20	
trans-1,2-Dichloroethene	ND	5.0	92	93	1.1	98	103	5.0	70 - 130	20	
trans-1,3-Dichloropropene	ND	5.0	116	116	0.0	99	99	0.0	70 - 130	20	
Trichloroethene	ND	5.0	105	106	0.9	100	104	3.9	70 - 130	20	
Trichlorofluoromethane	ND	5.0	125	128	2.4	126	135	6.9	70 - 130	20	m
Trichlorotrifluoroethane	ND	5.0	131	134	2.3	121	139	13.8	70 - 130	20	l,m
Vinyl chloride	ND	5.0	112	113	0.9	114	114	0.0	70 - 130	20	
% 1,2-dichlorobenzene-d4	97	%	104	103	1.0	104	100	3.9	70 - 130	20	
% Bromofluorobenzene	102	%	98	100	2.0	89	89	0.0	70 - 130	20	
% Dibromofluoromethane	95	%	101	104	2.9	105	111	5.6	70 - 130	20	
% Toluene-d8	89	%	102	101	1.0	96	95	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%.

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

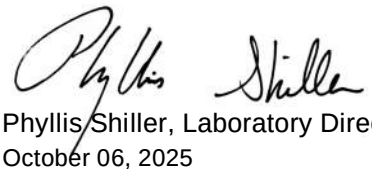
QA/QC Data

SDG I.D.: GCU34990

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

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

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



Phyllis Shiller, Laboratory Director
October 06, 2025

Monday, October 06, 2025

Criteria: NY: 375, 375COM, 375RRS

State: NY

Sample Criteria Exceedances Report

GCU34990 - AES-EASTSIDE

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CU34990	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Commercial	10000	2700	5600	5600	ug/Kg
CU34990	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	10000	2700	1000	1000	ug/Kg
CU34990	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	10000	2700	1000	1000	ug/Kg
CU34990	$8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Residential Restricted	8000	2700	3900	3900	ug/Kg
CU34990	$8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	8000	2700	1000	1000	ug/Kg
CU34990	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Commercial	12000	2700	5600	5600	ug/Kg
CU34990	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	12000	2700	1000	1000	ug/Kg
CU34990	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	12000	2700	1000	1000	ug/Kg
CU34990	$8270_TCLR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	4100	2700	3900	3900	ug/Kg
CU34990	$8270_TCLR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	4100	2700	800	800	ug/Kg
CU34990	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Commercial	11000	2700	1000	1000	ug/Kg
CU34990	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	11000	2700	1000	1000	ug/Kg
CU34990	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	11000	2700	1000	1000	ug/Kg
CU34990	$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Commercial	7000	2700	5600	5600	ug/Kg
CU34990	$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	7000	2700	500	500	ug/Kg
CU34990	$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	7000	2700	500	500	ug/Kg
CU34990	$8270_TCLR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Commercial	1400	380	560	560	ug/Kg
CU34990	$8270_TCLR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	1400	380	330	330	ug/Kg
CU34990	$8270_TCLR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1400	380	330	330	ug/Kg
CU34990	$PESTSM_NY	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	7.6	2.3	3.3	3.3	ug/Kg
CU34990	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	52.2	0.7	50	50	mg/kg
CU34990	HG-SMDMA	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.255	0.087	0.18	0.18	mg/Kg
CU34990	PB-SM	Lead	NY / 375-6.8 Metals / Commercial	1220	0.37	1000	1000	mg/Kg
CU34990	PB-SM	Lead	NY / 375-6.8 Metals / Residential Restricted	1220	0.37	400	400	mg/Kg
CU34990	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	1220	0.37	63	63	mg/Kg
CU34990	TCLP-PB	TCLP Lead	EPA / 40 CFR 261.24 / Toxicity Characteristics	7.00	0.10	5	5	mg/L
CU34990	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	274	0.7	109	109	mg/Kg
CU34991	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Commercial	1700	290	1000	1000	ug/Kg
CU34991	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	2800	290	1000	1000	ug/Kg
CU34991	$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1100	290	500	500	ug/Kg
CU34991	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1700	290	1000	1000	ug/Kg
CU34991	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	1800	290	1000	1000	ug/Kg
CU34991	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2800	290	1000	1000	ug/Kg
CU34991	$8270_TCLR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	940	290	800	800	ug/Kg
CU34991	$8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1600	290	1000	1000	ug/Kg
CU34991	$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1100	290	500	500	ug/Kg
CU34991	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1800	290	1000	1000	ug/Kg
CU34991	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1700	290	1000	1000	ug/Kg
CU34991	HG-SMDMA	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.603	0.093	0.18	0.18	mg/Kg
CU34991	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	308	0.37	63	63	mg/Kg
CU34991	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	317	0.7	109	109	mg/Kg

Monday, October 06, 2025

Criteria: NY: 375, 375COM, 375RRS

State: NY

Sample Criteria Exceedances Report

GCU34990 - AES-EASTSIDE

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CU34992	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	1100	310	1000	1000	ug/Kg
CU34992	$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	540	310	500	500	ug/Kg
CU34992	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	1100	310	1000	1000	ug/Kg
CU34992	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1100	310	1000	1000	ug/Kg
CU34992	$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	540	310	500	500	ug/Kg
CU34992	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1100	310	1000	1000	ug/Kg
CU34992	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	56.5	0.9	50	50	mg/kg
CU34992	HG-SMDMA	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.368	0.1	0.18	0.18	mg/Kg
CU34992	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	79.7	0.43	63	63	mg/Kg

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

NY # 11301

Analysis Comments

October 06, 2025 SDG I.D.: GCU34990

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 10/02/25-1: CU34990, CU34991, CU34992

The following Continuing Calibration compounds did not meet % deviation criteria:
Samples: CU34990, CU34991, CU34992
Preceding CC O02B004 - None.
Succeeding CC O02B021 - Methoxychlor 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.

SVOA Narration

CHEM07 10/02/25-1: CU34990

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 0.050 (0.1), Hexachlorobenzene 0.068 (0.1)
The following Initial Calibration compounds did not meet minimum response factors: None.

The following Continuing Calibration compounds did not meet % deviation criteria: 2-Nitroaniline 29%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 0.056 (0.1), Bis(2-chloroethyl)ether 0.637 (0.7), Hexachlorobenzene 0.064 (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%.

CHEM22 09/27/25-1: CU34990, CU34991, CU34992

The following Initial Calibration compounds did not meet recommended response factors: Hexachlorobenzene 0.080 (0.1)
The following Initial Calibration compounds did not meet minimum response factors: None.

The following Continuing Calibration compounds did not meet % deviation criteria: % 2,4,6-Tribromophenol 21%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: Hexachlorobenzene 0.083 (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%.

CHEM28 10/01/25-1: CU34991, CU34992

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

NY # 11301

Analysis Comments

October 06, 2025 SDG I.D.: GCU34990

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 0.093 (0.1)
The following Initial Calibration compounds did not meet minimum response factors: None.

The following Continuing Calibration compounds did not meet % deviation criteria: 2,4,5-Trichlorophenol 21%H (20%), 2,4,6-Trichlorophenol 22%H (20%), N-Nitrosodimethylamine 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: 2-Nitrophenol 0.097 (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

CHEM18 09/28/25-1: CU34990, CU34992

The following Initial Calibration compounds did not meet RSD% criteria: Acetone 26% (20%)
The following Initial Calibration compounds did not meet maximum RSD% criteria: None.

The following Continuing Calibration compounds did not meet % deviation criteria: Acetone 25%L (20%), Dichlorodifluoromethane 26%H (20%), Methyl ethyl ketone 26%L (20%), Methylacetate 29%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 09/29/25-1: CU34991

The following Initial Calibration compounds did not meet RSD% criteria: Acetone 26% (20%)
The following Initial Calibration compounds did not meet maximum RSD% criteria: None.

The following Continuing Calibration compounds did not meet % deviation criteria: Acetone 22%L (20%), Dichlorodifluoromethane 33%H (20%), Methyl ethyl ketone 22%L (20%), Methylacetate 23%L (20%), Trichlorotrifluoroethane 22%H (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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

October 06, 2025

SDG I.D.: GCU34990

The samples in this delivery group were received at 2.7°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

Temp 2.7°C Coolant: IPK ☑ ICE ☐ Cooler: Yes ☑ No ☐ No ☐

NY/NJ/PA CHAIN OF CUSTODY RECORD

Pg 1 of 1

PHOENIX Environmental Laboratories, Inc.

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

Contact Options:
☐ Phone:
☐ Fax:
☑ Email: empendergast@aol.com

Customer: AES
Address: 42 West Ave. Patchogue, NY 11772

Project: EAST SIDE COASTAL RESILIENCY
Report to: AES
Invoice to: AES
QUOTE # : AE09092IBA

Project P.O: 0897

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 9/24/25

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
RW=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe
OIL=Oil **B**=Bulk **L**=Liquid

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	*MS/MSD (May be billable at analysis unit rate)	TAL/TCLP+30+NY add	Full TCLP / RIC	TPH DRO+GRO Herbs	Hex Chromium	NJ EPH	GL Amber 8 oz. [ ] w/H_3PO_4 [ ] $NAHSO_4$	Soil VOA Vials [ ] methanol [ ] H_2O	GL Soil container (8) oz	GL Soil container (4) oz VOCgr.	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H_2SO_4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H_2SO_4 [ ] 250ml [ ] 500ml [ ] 500ml	PL NAOH 250ml	PL HNO_3 250ml	Bacteria Bottle w/thio	Bacteria Bottle as is
34990	DEP 114	S	9/24/25	11:30		X	X	X	X	X	X				3	2	1						
34991	DEP 113	↓	↓	12:45		↓	↓	↓	↓	↓	↓				↓	↓	↓						
34992	DEP 112	↓	↓	1:50		↓	↓	↓	↓	↓	↓				↓	↓	↓						

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	9/25/25	1035
[signature]	[signature]	9/25/25	17:53

Comments, Special Requirements or Regulations:
*LL Voas Recd. Un labeled (SW)

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

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

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☐ 4 Days*
☑ 5 Days*
☐ Standard
* SURCHARGE APPLIES

NJ
☐ 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
☑ 375SCO Unrestricted Soil
☐ 375SCO Residential Soil
☑ 375SCO Residential Restricted Soil
☑ 375SCO Commercial Soil
☐ 375SCO Industrial Soil
☐ Subpart 5 DW

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

State Samples Collected? NY

PEL-111 Rev 1/2025

Tuesday, October 07, 2025

Attn: Mr. Brian Pendergast
American Environmental Solutions, Inc
42 West Avenue
Patchogue, NY 11772

Project ID: EAST SIDE COASTAL RESILIENCY
SDG ID: GCU36210
Sample ID#s: CU36210 - CU36213

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,

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

Wednesday, October 08, 2025

Attn: Mr. Brian Pendergast
American Environmental Solutions, Inc
42 West Avenue
Patchogue, NY 11772

Project ID: EAST SIDE COASTAL RESILIENCY
SDG ID: GCU37292
Sample ID#s: CU37292 - CU37298

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,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

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

NY # 11301

SDG Comments

October 08, 2025

SDG I.D.: GCU37292

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

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

NY # 11301

Sample Id Cross Reference

October 08, 2025

SDG I.D.: GCU37292

Project ID: EAST SIDE COASTAL RESILIENCY

Client Id	Lab Id	Matrix	Col Date
DEP100	CU37292	SOIL	09/26/25 14:16
DEP101	CU37293	SOIL	09/26/25 12:50
DEP102	CU37294	SOIL	09/26/25 12:20
DEP103	CU37295	SOIL	09/26/25 9:10
DEP104	CU37296	SOIL	09/26/25 8:40
DEP106	CU37297	SOIL	09/26/25 13:30
DEP107	CU37298	SOIL	09/26/25 15:00

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

October 08, 2025

FOR: Attn: Mr. Brian Pendergast
American Environmental Solutions, Inc
42 West Avenue
Patchogue, NY 11772

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/26/25	14:16
Location Code:	AES-EASTSIDE	Received by:	CP	09/29/25	19:45
Rush Request:	5 Day	Analyzed by:	see "By" below		
P.O.#:	0987				

Laboratory Data

SDG ID: GCU37292
Phoenix ID: CU37292

Project ID: EAST SIDE COASTAL RESILIENCY
Client ID: DEP100

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.50	0.50	mg/Kg	1	10/02/25	TH	SW6010D
Aluminum	7690	6.1	mg/Kg	1	10/02/25	CPP	SW6010D
Arsenic	23.0	0.81	mg/Kg	1	10/02/25	CPP	SW6010D
Barium	295	0.41	mg/Kg	1	10/02/25	CPP	SW6010D
Beryllium	1.01	0.32	mg/Kg	1	10/02/25	CPP	SW6010D
Calcium	10900	6.1	mg/Kg	1	10/02/25	CPP	SW6010D
Cadmium	1.49	0.41	mg/Kg	1	10/02/25	CPP	SW6010D
Cobalt	11.8	0.41	mg/Kg	1	10/02/25	CPP	SW6010D
Chromium	16.1	0.41	mg/Kg	1	10/02/25	CPP	SW6010D
Copper	70.4	0.8	mg/kg	1	10/02/25	CPP	SW6010D
Iron	17100	6.1	mg/Kg	1	10/02/25	CPP	SW6010D
Mercury	9.01	0.094	mg/Kg	1	09/30/25	ZT	SW7473
Potassium	771	6.1	mg/Kg	1	10/02/25	TH	SW6010D
Magnesium	1110	6.1	mg/Kg	1	10/02/25	CPP	SW6010D
Manganese	234	0.41	mg/Kg	1	10/02/25	TH	SW6010D
Sodium	772	6.1	mg/Kg	1	10/02/25	CPP	SW6010D
Nickel	43.4	0.41	mg/Kg	1	10/02/25	CPP	SW6010D
Lead	619	0.41	mg/Kg	1	10/02/25	CPP	SW6010D
Antimony	< 5.5	5.5	mg/Kg	1	10/02/25	CPP	SW6010D
Selenium	< 1.6	1.6	mg/Kg	1	10/02/25	TH	SW6010D
TCLP Silver	< 0.10	0.10	mg/L	1	09/30/25	TH	SW846 1311/6010
TCLP Arsenic	< 0.10	0.10	mg/L	1	09/30/25	TH	SW846 1311/6010
TCLP Barium	1.12	0.10	mg/L	1	09/30/25	TH	SW846 1311/6010
TCLP Cadmium	< 0.050	0.050	mg/L	1	09/30/25	TH	SW846 1311/6010
TCLP Chromium	< 0.10	0.10	mg/L	1	09/30/25	TH	SW846 1311/6010
TCLP Mercury	0.0007	0.0002	mg/L	1	09/30/25	AJ1	SW846 1311/7470
TCLP Lead	26.9	0.10	mg/L	1	09/30/25	TH	SW846 1311/6010
TCLP Selenium	< 0.10	0.10	mg/L	1	09/30/25	TH	SW846 1311/6010D

Ver 1

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Thallium	< 3.7	3.7	mg/Kg	1	10/02/25	CPP	SW6010D	
TCLP Metals Digestion	Completed				09/30/25	AK/GW	SW3010A	
Vanadium	44.3	0.41	mg/Kg	1	10/02/25	CPP	SW6010D	
Zinc	1030	0.8	mg/Kg	1	10/02/25	CPP	SW6010D	
Percent Solid	80		%		09/29/25	CV	SW846-%Solid	
Corrosivity	Negative		Pos/Neg	1	09/29/25	KG	SW846-Corr	1
Flash Point	>200	200	Degree F	1	09/30/25	G	SW1010B	
Chromium, Hex. (SW3060A digestion	< 0.46	0.46	mg/Kg	1	09/30/25	NP	SW7196A	
Ignitability	Passed	140	degree F	1	09/30/25	G	SW846-Ignit	1
pH at 20C - Soil	8.15	1.00	pH Units	1	09/29/25 23:32	KG	SW846 9045D	
Reactivity Cyanide	< 6	6	mg/Kg	1	10/01/25	IH/GD	SW846 7.3.3.1/90	1
Reactivity Sulfide	< 20	20	mg/Kg	1	10/01/25	IH/GD	SW846 CH7	1
Reactivity	Negative		Pos/Neg	1	10/01/25	IH/GD	SW846-React	1
Redox Potential	63.4		mV	1	09/29/25	KG	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	< 0.63	0.63	mg/Kg	1	10/01/25	J/K/K/G	SW9012B	
Extraction of NY ETPH	Completed				10/03/25	S/Z	SW3546	
Soil Extraction for Herbicide	Completed				10/02/25	X/D	SW3546	
NJ EPH Extraction	Completed				10/01/25	S/A	NJDEP 10-08 R3	
Soil Extraction for PCB	Completed				10/06/25	C	SW3546	
Soil Extraction for Pesticides	Completed				10/06/25	C/Q	SW3546	
Soil Extraction for SVOA	Completed				10/02/25	NG/U	SW3546	
TCLP Digestion Mercury	Completed				09/30/25	AK/GW	SW7470A	
TCLP Herbicides Extraction	Completed				10/01/25	CV/AC1/D	SW8150 MOD	
TCLP Extraction for Metals	Completed				09/29/25	AK	SW1311	
TCLP Extraction for Organics	Completed				09/29/25	AK	SW1311	
TCLP Pesticides Extraction	Completed				10/01/25	J/J	SW3510C	
TCLP Semi-Volatile Extraction	Completed				09/30/25	T/T	SW3510C	
TCLP Extraction Volatiles	Completed				09/29/25	CV	SW1311	
Total Metals Digest	Completed				09/30/25	P/AG/BF	SW3050B	
NJ EPH Category 1 (Fuel #2/Diesel)								
>C28-C40	ND	9.9	mg/kg	1	10/03/25	JRB	NJEPH 10-08 R3	1
C9-C28	ND	20	mg/kg	1	10/03/25	JRB	NJEPH 10-08 R3	1
Total EPH	ND	9.9	mg/kg	1	10/03/25	JRB	NJEPH 10-08 R3	1
QA/QC Surrogates								
% COD (surr)	72		%	1	10/03/25	JRB	40 - 140 %	
% Terphenyl (surr)	109		%	1	10/03/25	JRB	40 - 140 %	
Gasoline Range Hydrocarbons (C6-C10)								
GRO (C6-C10)	ND	17	mg/Kg	50	09/30/25	V	SW8015D GRO	
QA/QC Surrogates								
% 2,5-Dibromotoluene (FID)	118		%	50	09/30/25	V	70 - 130 %	
Chlorinated Herbicides								
2,4,5-T	ND	150	ug/Kg	10	10/03/25	JRB	SW8151A	
2,4,5-TP (Silvex)	ND	150	ug/Kg	10	10/03/25	JRB	SW8151A	
2,4-D	ND	310	ug/Kg	10	10/03/25	JRB	SW8151A	
2,4-DB	ND	1500	ug/Kg	10	10/03/25	JRB	SW8151A	
Dalapon	ND	150	ug/Kg	10	10/03/25	JRB	SW8151A	

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Dicamba	ND	150	ug/Kg	10	10/03/25	JRB	SW8151A
Dichloroprop	ND	310	ug/Kg	10	10/03/25	JRB	SW8151A
Dinoseb	ND	310	ug/Kg	10	10/03/25	JRB	SW8151A
QA/QC Surrogates							
% DCAA	109		%	10	10/03/25	JRB	30 - 150 %
% DCAA (Confirmation)	112		%	10	10/03/25	JRB	30 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	81	ug/Kg	2	10/07/25	SC	SW8082A
PCB-1221	ND	81	ug/Kg	2	10/07/25	SC	SW8082A
PCB-1232	ND	81	ug/Kg	2	10/07/25	SC	SW8082A
PCB-1242	ND	81	ug/Kg	2	10/07/25	SC	SW8082A
PCB-1248	ND	81	ug/Kg	2	10/07/25	SC	SW8082A
PCB-1254	ND	81	ug/Kg	2	10/07/25	SC	SW8082A
PCB-1260	ND	81	ug/Kg	2	10/07/25	SC	SW8082A
PCB-1262	ND	81	ug/Kg	2	10/07/25	SC	SW8082A
PCB-1268	ND	81	ug/Kg	2	10/07/25	SC	SW8082A
QA/QC Surrogates							
% DCBP	68		%	2	10/07/25	SC	30 - 150 %
% DCBP (Confirmation)	82		%	2	10/07/25	SC	30 - 150 %
% TCMX	70		%	2	10/07/25	SC	30 - 150 %
% TCMX (Confirmation)	70		%	2	10/07/25	SC	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.4	ug/Kg	2	10/07/25	AW	SW8081B
4,4' -DDE	ND	2.4	ug/Kg	2	10/07/25	AW	SW8081B
4,4' -DDT	ND	2.4	ug/Kg	2	10/07/25	AW	SW8081B
a-BHC	ND	8.1	ug/Kg	2	10/07/25	AW	SW8081B
a-Chlordane	ND	4.0	ug/Kg	2	10/07/25	AW	SW8081B
Aldrin	ND	4.0	ug/Kg	2	10/07/25	AW	SW8081B
b-BHC	ND	8.1	ug/Kg	2	10/07/25	AW	SW8081B
Chlordane	ND	40	ug/Kg	2	10/07/25	AW	SW8081B
d-BHC	ND	8.1	ug/Kg	2	10/07/25	AW	SW8081B
Dieldrin	ND	4.0	ug/Kg	2	10/07/25	AW	SW8081B
Endosulfan I	ND	8.1	ug/Kg	2	10/07/25	AW	SW8081B
Endosulfan II	ND	8.1	ug/Kg	2	10/07/25	AW	SW8081B
Endosulfan sulfate	ND	8.1	ug/Kg	2	10/07/25	AW	SW8081B
Endrin	ND	8.1	ug/Kg	2	10/07/25	AW	SW8081B
Endrin aldehyde	ND	8.1	ug/Kg	2	10/07/25	AW	SW8081B
Endrin ketone	ND	8.1	ug/Kg	2	10/07/25	AW	SW8081B
g-BHC	ND	1.6	ug/Kg	2	10/07/25	AW	SW8081B
g-Chlordane	ND	4.0	ug/Kg	2	10/07/25	AW	SW8081B
Heptachlor	ND	8.1	ug/Kg	2	10/07/25	AW	SW8081B
Heptachlor epoxide	ND	8.1	ug/Kg	2	10/07/25	AW	SW8081B
Methoxychlor	ND	40	ug/Kg	2	10/07/25	AW	SW8081B
Toxaphene	ND	160	ug/Kg	2	10/07/25	AW	SW8081B
QA/QC Surrogates							
% DCBP	66		%	2	10/07/25	AW	30 - 150 %
% DCBP (Confirmation)	72		%	2	10/07/25	AW	30 - 150 %
% TCMX	52		%	2	10/07/25	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
% TCMX (Confirmation)	71		%	2	10/07/25	AW	30 - 150 %	
TCLP Herbicides								
2,4,5-TP (Silvex)	ND	50	ug/L	10	10/02/25	JRB	SW846 1311/8151	
2,4-D	ND	100	ug/L	10	10/02/25	JRB	SW846 1311/8151	
QA/QC Surrogates								
% DCAA	65		%	10	10/02/25	JRB	30 - 150 %	
% DCAA (Confirmation)	65		%	10	10/02/25	JRB	30 - 150 %	
TCLP Pesticides								
4,4' -DDD	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
4,4' -DDE	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
4,4' -DDT	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
a-BHC	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Alachlor	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	1
Aldrin	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
b-BHC	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Chlordane	ND	5.0	ug/L	10	10/02/25	AW	SW8081B	
d-BHC	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Dieldrin	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
Endosulfan I	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Endosulfan II	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
Endosulfan Sulfate	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
Endrin	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
Endrin Aldehyde	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
g-BHC (Lindane)	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Heptachlor	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Heptachlor epoxide	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Methoxychlor	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Toxaphene	ND	20	ug/L	10	10/02/25	AW	SW8081B	
QA/QC Surrogates								
%DCBP (Surrogate Rec)	90		%	10	10/02/25	AW	30 - 150 %	
%DCBP (Surrogate Rec) (Confirmation)	73		%	10	10/02/25	AW	30 - 150 %	
%TCMX (Surrogate Rec)	68		%	10	10/02/25	AW	30 - 150 %	
%TCMX (Surrogate Rec) (Confirmation)	71		%	10	10/02/25	AW	30 - 150 %	
TPH DRO (C10-C28)								
Diesel Range Organics (C10-C28)	ND	62	mg/Kg	1	10/05/25	JRB	SW8015D DRO	
QA/QC Surrogates								
% Terphenyl-d14	60		%	1	10/05/25	JRB	50 - 150 %	
% Tricosane(C23)	78		%	1	10/05/25	JRB	50 - 150 %	
Volatiles (TCL)								
1,1,1-Trichloroethane	ND	12	ug/kg	1	10/01/25	JLI	SW8260D	
1,1,2,2-Tetrachloroethane	ND	12	ug/kg	1	10/01/25	JLI	SW8260D	
1,1,2-Trichloroethane	ND	12	ug/kg	1	10/01/25	JLI	SW8260D	
1,1-Dichloroethane	ND	12	ug/kg	1	10/01/25	JLI	SW8260D	
1,1-Dichloroethene	ND	12	ug/kg	1	10/01/25	JLI	SW8260D	
1,2,3-Trichlorobenzene	ND	12	ug/kg	1	10/01/25	JLI	SW8260D	
1,2,4-Trichlorobenzene	ND	12	ug/kg	1	10/01/25	JLI	SW8260D	

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,2,4-Trimethylbenzene	ND	12	ug/kg	1	10/01/25	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	12	ug/kg	1	10/01/25	JLI	SW8260D
1,2-Dibromoethane	ND	12	ug/kg	1	10/01/25	JLI	SW8260D
1,2-Dichlorobenzene	ND	12	ug/kg	1	10/01/25	JLI	SW8260D
1,2-Dichloroethane	ND	12	ug/kg	1	10/01/25	JLI	SW8260D
1,2-Dichloropropane	ND	12	ug/kg	1	10/01/25	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	12	ug/kg	1	10/01/25	JLI	SW8260D
1,3-Dichlorobenzene	ND	12	ug/kg	1	10/01/25	JLI	SW8260D
1,4-Dichlorobenzene	ND	12	ug/kg	1	10/01/25	JLI	SW8260D
2-Hexanone	ND	59	ug/kg	1	10/01/25	JLI	SW8260D
4-Methyl-2-pentanone	ND	59	ug/kg	1	10/01/25	JLI	SW8260D
Acetone	ND	50	ug/kg	1	10/01/25	JLI	SW8260D
Benzene	ND	12	ug/kg	1	10/01/25	JLI	SW8260D
Bromochloromethane	ND	12	ug/kg	1	10/01/25	JLI	SW8260D
Bromodichloromethane	ND	12	ug/kg	1	10/01/25	JLI	SW8260D
Bromoform	ND	12	ug/kg	1	10/01/25	JLI	SW8260D
Bromomethane	ND	12	ug/kg	1	10/01/25	JLI	SW8260D
Carbon Disulfide	ND	12	ug/kg	1	10/01/25	JLI	SW8260D
Carbon tetrachloride	ND	12	ug/kg	1	10/01/25	JLI	SW8260D
Chlorobenzene	ND	12	ug/kg	1	10/01/25	JLI	SW8260D
Chloroethane	ND	12	ug/kg	1	10/01/25	JLI	SW8260D
Chloroform	ND	12	ug/kg	1	10/01/25	JLI	SW8260D
Chloromethane	ND	12	ug/kg	1	10/01/25	JLI	SW8260D
cis-1,2-Dichloroethene	ND	12	ug/kg	1	10/01/25	JLI	SW8260D
cis-1,3-Dichloropropene	ND	12	ug/kg	1	10/01/25	JLI	SW8260D
Cyclohexane	ND	12	ug/kg	1	10/01/25	JLI	SW8260D
Dibromochloromethane	ND	12	ug/kg	1	10/01/25	JLI	SW8260D
Dichlorodifluoromethane	ND	12	ug/kg	1	10/01/25	JLI	SW8260D
Ethylbenzene	ND	12	ug/kg	1	10/01/25	JLI	SW8260D
Isopropylbenzene	ND	12	ug/kg	1	10/01/25	JLI	SW8260D
m&p-Xylene	ND	12	ug/kg	1	10/01/25	JLI	SW8260D
Methyl ethyl ketone	ND	71	ug/kg	1	10/01/25	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	24	ug/kg	1	10/01/25	JLI	SW8260D
Methylacetate	ND	120	ug/kg	1	10/01/25	JLI	SW8260D
Methylcyclohexane	ND	12	ug/kg	1	10/01/25	JLI	SW8260D
Methylene chloride	ND	50	ug/kg	1	10/01/25	JLI	SW8260D
o-Xylene	ND	12	ug/kg	1	10/01/25	JLI	SW8260D
Styrene	ND	12	ug/kg	1	10/01/25	JLI	SW8260D
Tetrachloroethene	ND	12	ug/kg	1	10/01/25	JLI	SW8260D
Toluene	ND	12	ug/kg	1	10/01/25	JLI	SW8260D
Total Xylenes	ND	12	ug/kg	1	10/01/25	JLI	SW8260D
trans-1,2-Dichloroethene	ND	12	ug/kg	1	10/01/25	JLI	SW8260D
trans-1,3-Dichloropropene	ND	12	ug/kg	1	10/01/25	JLI	SW8260D
Trichloroethene	ND	12	ug/kg	1	10/01/25	JLI	SW8260D
Trichlorofluoromethane	ND	12	ug/kg	1	10/01/25	JLI	SW8260D
Trichlorotrifluoroethane	ND	12	ug/kg	1	10/01/25	JLI	SW8260D
Vinyl chloride	ND	12	ug/kg	1	10/01/25	JLI	SW8260D
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	106		%	1	10/01/25	JLI	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Bromofluorobenzene	88		%	1	10/01/25	JLI	70 - 130 %
% Dibromofluoromethane	106		%	1	10/01/25	JLI	70 - 130 %
% Toluene-d8	90		%	1	10/01/25	JLI	70 - 130 %
1,4-dioxane							
1,4-dioxane	ND	100	ug/kg	1	10/01/25	JLI	SW8260D
Volatiles							
1,2,3-Trichloropropane	ND	12	ug/Kg	1	10/01/25	JLI	SW8260D
1,2,4-Trimethylbenzene	ND	12	ug/Kg	1	10/01/25	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	12	ug/Kg	1	10/01/25	JLI	SW8260D
1,3-Dichloropropane	ND	12	ug/Kg	1	10/01/25	JLI	SW8260D
n-Butylbenzene	ND	12	ug/Kg	1	10/01/25	JLI	SW8260D
n-Propylbenzene	ND	12	ug/Kg	1	10/01/25	JLI	SW8260D
p-Isopropyltoluene	ND	12	ug/Kg	1	10/01/25	JLI	SW8260D
sec-Butylbenzene	ND	12	ug/Kg	1	10/01/25	JLI	SW8260D
tert-Butylbenzene	ND	12	ug/Kg	1	10/01/25	JLI	SW8260D
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	106		%	1	10/01/25	JLI	70 - 130 %
% Bromofluorobenzene	88		%	1	10/01/25	JLI	70 - 130 %
% Dibromofluoromethane	106		%	1	10/01/25	JLI	70 - 130 %
% Toluene-d8	90		%	1	10/01/25	JLI	70 - 130 %
TCLP Volatiles							
1,1-Dichloroethene	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
1,2-Dichloroethane	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
1,4-Dichlorobenzene	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
Benzene	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
Carbon tetrachloride	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
Chlorobenzene	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
Chloroform	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
Methyl ethyl ketone	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
Tetrachloroethene	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
Trichloroethene	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
Vinyl chloride	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4 (10x)	102		%	10	09/30/25	V	70 - 130 %
% Bromofluorobenzene (10x)	97		%	10	09/30/25	V	70 - 130 %
% Dibromofluoromethane (10x)	104		%	10	09/30/25	V	70 - 130 %
% Toluene-d8 (10x)	98		%	10	09/30/25	V	70 - 130 %
Volatile Library Search	Completed				10/01/25	JLI	
Semivolatiles							
1,1-Biphenyl	ND	280	ug/Kg	1	10/03/25	MR	SW8270E
1,2,4,5-Tetrachlorobenzene	ND	280	ug/Kg	1	10/03/25	MR	SW8270E
2,2'-Oxybis(1-Chloropropane)	ND	280	ug/Kg	1	10/03/25	MR	SW8270E
2,3,4,6-tetrachlorophenol	ND	280	ug/Kg	1	10/03/25	MR	SW8270E
2,4,5-Trichlorophenol	ND	280	ug/Kg	1	10/03/25	MR	SW8270E
2,4,6-Trichlorophenol	ND	280	ug/Kg	1	10/03/25	MR	SW8270E

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Project ID: EAST SIDE COASTAL RESILIENCY
Client ID: DEP100

Phoenix I.D.: CU37292

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
2,4-Dichlorophenol	ND	280	ug/Kg	1	10/03/25	MR	SW8270E	
2,4-Dimethylphenol	ND	280	ug/Kg	1	10/03/25	MR	SW8270E	
2,4-Dinitrophenol	ND	650	ug/Kg	1	10/03/25	MR	SW8270E	
2,4-Dinitrotoluene	ND	280	ug/Kg	1	10/03/25	MR	SW8270E	
2,6-Dinitrotoluene	ND	280	ug/Kg	1	10/03/25	MR	SW8270E	
2-Chloronaphthalene	ND	280	ug/Kg	1	10/03/25	MR	SW8270E	
2-Chlorophenol	ND	280	ug/Kg	1	10/03/25	MR	SW8270E	
2-Methylnaphthalene	ND	280	ug/Kg	1	10/03/25	MR	SW8270E	
2-Methylphenol (o-cresol)	ND	280	ug/Kg	1	10/03/25	MR	SW8270E	
2-Nitroaniline	ND	650	ug/Kg	1	10/03/25	MR	SW8270E	
2-Nitrophenol	ND	280	ug/Kg	1	10/03/25	MR	SW8270E	
3&4-Methylphenol (m&p-cresol)	ND	330	ug/Kg	1	10/03/25	MR	SW8270E	1
3,3'-Dichlorobenzidine	ND	490	ug/Kg	1	10/03/25	MR	SW8270E	
3-Nitroaniline	ND	650	ug/Kg	1	10/03/25	MR	SW8270E	
4,6-Dinitro-2-methylphenol	ND	1200	ug/Kg	1	10/03/25	MR	SW8270E	
4-Bromophenyl phenyl ether	ND	400	ug/Kg	1	10/03/25	MR	SW8270E	
4-Chloro-3-methylphenol	ND	280	ug/Kg	1	10/03/25	MR	SW8270E	
4-Chloroaniline	ND	280	ug/Kg	1	10/03/25	MR	SW8270E	
4-Chlorophenyl phenyl ether	ND	280	ug/Kg	1	10/03/25	MR	SW8270E	
4-Nitroaniline	ND	650	ug/Kg	1	10/03/25	MR	SW8270E	
4-Nitrophenol	ND	1200	ug/Kg	1	10/03/25	MR	SW8270E	
Acenaphthene	ND	280	ug/Kg	1	10/03/25	MR	SW8270E	
Acenaphthylene	ND	280	ug/Kg	1	10/03/25	MR	SW8270E	
Acetophenone	ND	280	ug/Kg	1	10/03/25	MR	SW8270E	
Anthracene	620	280	ug/Kg	1	10/03/25	MR	SW8270E	
Atrazine	ND	280	ug/Kg	1	10/03/25	MR	SW8270E	
Benz(a)anthracene	2200	280	ug/Kg	1	10/03/25	MR	SW8270E	
Benzaldehyde	ND	280	ug/Kg	1	10/03/25	MR	SW8270E	
Benzo(a)pyrene	2600	280	ug/Kg	1	10/03/25	MR	SW8270E	
Benzo(b)fluoranthene	3100	280	ug/Kg	1	10/03/25	MR	SW8270E	
Benzo(ghi)perylene	2000	280	ug/Kg	1	10/03/25	MR	SW8270E	
Benzo(k)fluoranthene	970	280	ug/Kg	1	10/03/25	MR	SW8270E	
Benzyl butyl phthalate	ND	280	ug/Kg	1	10/03/25	MR	SW8270E	
Bis(2-chloroethoxy)methane	ND	280	ug/Kg	1	10/03/25	MR	SW8270E	
Bis(2-chloroethyl)ether	ND	400	ug/Kg	1	10/03/25	MR	SW8270E	
Bis(2-ethylhexyl)phthalate	ND	280	ug/Kg	1	10/03/25	MR	SW8270E	
Caprolactam	ND	280	ug/Kg	1	10/03/25	MR	SW8270E	
Carbazole	ND	400	ug/Kg	1	10/03/25	MR	SW8270E	
Chrysene	2100	280	ug/Kg	1	10/03/25	MR	SW8270E	
Dibenz(a,h)anthracene	430	200	ug/Kg	1	10/03/25	MR	SW8270E	
Dibenzofuran	ND	280	ug/Kg	1	10/03/25	MR	SW8270E	
Diethyl phthalate	ND	280	ug/Kg	1	10/03/25	MR	SW8270E	
Dimethylphthalate	ND	280	ug/Kg	1	10/03/25	MR	SW8270E	
Di-n-butylphthalate	ND	810	ug/Kg	1	10/03/25	MR	SW8270E	
Di-n-octylphthalate	ND	280	ug/Kg	1	10/03/25	MR	SW8270E	
Fluoranthene	4100	280	ug/Kg	1	10/03/25	MR	SW8270E	
Fluorene	ND	280	ug/Kg	1	10/03/25	MR	SW8270E	
Hexachlorobenzene	ND	280	ug/Kg	1	10/03/25	MR	SW8270E	
Hexachlorobutadiene	ND	280	ug/Kg	1	10/03/25	MR	SW8270E	

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Hexachlorocyclopentadiene	ND	280	ug/Kg	1	10/03/25	MR	SW8270E
Hexachloroethane	ND	280	ug/Kg	1	10/03/25	MR	SW8270E
Indeno(1,2,3-cd)pyrene	2100	280	ug/Kg	1	10/03/25	MR	SW8270E
Isophorone	ND	280	ug/Kg	1	10/03/25	MR	SW8270E
Naphthalene	ND	280	ug/Kg	1	10/03/25	MR	SW8270E
Nitrobenzene	ND	280	ug/Kg	1	10/03/25	MR	SW8270E
N-Nitrosodimethylamine	ND	400	ug/Kg	1	10/03/25	MR	SW8270E
N-Nitrosodi-n-propylamine	ND	200	ug/Kg	1	10/03/25	MR	SW8270E
N-Nitrosodiphenylamine	ND	400	ug/Kg	1	10/03/25	MR	SW8270E
Pentachlorophenol	ND	400	ug/Kg	1	10/03/25	MR	SW8270E
Phenanthrene	2200	280	ug/Kg	1	10/03/25	MR	SW8270E
Phenol	ND	280	ug/Kg	1	10/03/25	MR	SW8270E
Pyrene	4100	280	ug/Kg	1	10/03/25	MR	SW8270E
QA/QC Surrogates							
% 2,4,6-Tribromophenol	54		%	1	10/03/25	MR	30 - 130 %
% 2-Fluorobiphenyl	54		%	1	10/03/25	MR	30 - 130 %
% 2-Fluorophenol	47		%	1	10/03/25	MR	30 - 130 %
% Nitrobenzene-d5	51		%	1	10/03/25	MR	30 - 130 %
% Phenol-d5	53		%	1	10/03/25	MR	30 - 130 %
% Terphenyl-d14	62		%	1	10/03/25	MR	30 - 130 %

TCLP Acid/Base-Neutral

1,4-Dichlorobenzene	ND	83	ug/L	1	10/01/25	MR	SW-846 1311/8270
2,4,5-Trichlorophenol	ND	83	ug/L	1	10/01/25	MR	SW-846 1311/8270
2,4,6-Trichlorophenol	ND	83	ug/L	1	10/01/25	MR	SW-846 1311/8270
2,4-Dinitrotoluene	ND	83	ug/L	1	10/01/25	MR	SW-846 1311/8270
2-Methylphenol (o-cresol)	ND	83	ug/L	1	10/01/25	MR	SW-846 1311/8270
3&4-Methylphenol (m&p-Cresol)	ND	83	ug/L	1	10/01/25	MR	SW-846 1311/8270
Hexachlorobenzene	ND	83	ug/L	1	10/01/25	MR	SW-846 1311/8270
Hexachlorobutadiene	ND	83	ug/L	1	10/01/25	MR	SW-846 1311/8270
Hexachloroethane	ND	83	ug/L	1	10/01/25	MR	SW-846 1311/8270
Nitrobenzene	ND	83	ug/L	1	10/01/25	MR	SW-846 1311/8270
Pentachlorophenol	ND	83	ug/L	1	10/01/25	MR	SW-846 1311/8270
Pyridine	ND	83	ug/L	1	10/01/25	MR	SW-846 1311/8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	101		%	1	10/01/25	MR	15 - 110 %
% 2-Fluorobiphenyl	64		%	1	10/01/25	MR	30 - 130 %
% 2-Fluorophenol	59		%	1	10/01/25	MR	15 - 110 %
% Nitrobenzene-d5	79		%	1	10/01/25	MR	30 - 130 %
% Phenol-d5	56		%	1	10/01/25	MR	15 - 110 %
% Terphenyl-d14	81		%	1	10/01/25	MR	30 - 130 %
Semivolatile Library Search	Completed				10/03/25	MR	

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

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

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

Comments:

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.

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.

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.

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
October 08, 2025
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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

October 08, 2025

FOR: Attn: Mr. Brian Pendergast
American Environmental Solutions, Inc
42 West Avenue
Patchogue, NY 11772

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/26/25	12:50
Location Code:	AES-EASTSIDE	Received by:	CP	09/29/25	19:45
Rush Request:	5 Day	Analyzed by:	see "By" below		
P.O.#:	0987				

Laboratory Data

SDG ID: GCU37292
Phoenix ID: CU37293

Project ID: EAST SIDE COASTAL RESILIENCY
Client ID: DEP101

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.37	0.37	mg/Kg	1	10/02/25	CPP	SW6010D
Aluminum	5220	5.6	mg/Kg	1	10/02/25	CPP	SW6010D
Arsenic	2.99	0.75	mg/Kg	1	10/02/25	CPP	SW6010D
Barium	43.9	0.37	mg/Kg	1	10/02/25	CPP	SW6010D
Beryllium	< 0.30	0.30	mg/Kg	1	10/02/25	CPP	SW6010D
Calcium	19200	56	mg/Kg	10	10/01/25	CPP	SW6010D
Cadmium	< 0.37	0.37	mg/Kg	1	10/02/25	CPP	SW6010D
Cobalt	5.91	0.37	mg/Kg	1	10/02/25	CPP	SW6010D
Chromium	16.0	0.37	mg/Kg	1	10/02/25	CPP	SW6010D
Copper	26.4	0.7	mg/kg	1	10/02/25	CPP	SW6010D
Iron	12400	5.6	mg/Kg	1	10/02/25	CPP	SW6010D
Mercury	0.477	0.087	mg/Kg	1	09/30/25	ZT	SW7473
Potassium	1260	56	mg/Kg	10	10/01/25	CPP	SW6010D
Magnesium	7950	5.6	mg/Kg	1	10/02/25	CPP	SW6010D
Manganese	146	0.37	mg/Kg	1	10/02/25	TH	SW6010D
Sodium	535	5.6	mg/Kg	1	10/02/25	CPP	SW6010D
Nickel	14.7	0.37	mg/Kg	1	10/02/25	CPP	SW6010D
Lead	46.7	0.37	mg/Kg	1	10/02/25	CPP	SW6010D
Antimony	< 3.7	3.7	mg/Kg	1	10/02/25	CPP	SW6010D
Selenium	< 1.5	1.5	mg/Kg	1	10/02/25	CPP	SW6010D
TCLP Silver	< 0.10	0.10	mg/L	1	09/30/25	TH	SW846 1311/6010
TCLP Arsenic	< 0.10	0.10	mg/L	1	09/30/25	TH	SW846 1311/6010
TCLP Barium	1.25	0.10	mg/L	1	09/30/25	TH	SW846 1311/6010
TCLP Cadmium	< 0.050	0.050	mg/L	1	09/30/25	TH	SW846 1311/6010
TCLP Chromium	< 0.10	0.10	mg/L	1	09/30/25	TH	SW846 1311/6010
TCLP Mercury	< 0.0002	0.0002	mg/L	1	09/30/25	AJ1	SW846 1311/7470
TCLP Lead	0.40	0.10	mg/L	1	09/30/25	TH	SW846 1311/6010
TCLP Selenium	< 0.10	0.10	mg/L	1	09/30/25	TH	SW846 1311/6010D

Ver 1

Project ID: EAST SIDE COASTAL RESILIENCY
Client ID: DEP101

Phoenix I.D.: CU37293

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Thallium	< 3.4	3.4	mg/Kg	1	10/02/25	CPP	SW6010D	
TCLP Metals Digestion	Completed				09/30/25	AK/GW	SW3010A	
Vanadium	36.3	0.37	mg/Kg	1	10/02/25	CPP	SW6010D	
Zinc	50.5	0.7	mg/Kg	1	10/02/25	CPP	SW6010D	
Percent Solid	86		%		09/29/25	CV	SW846-%Solid	
Corrosivity	Negative		Pos/Neg	1	09/29/25	KG	SW846-Corr	1
Flash Point	>200	200	Degree F	1	09/30/25	G	SW1010B	
Chromium, Hex. (SW3060A digestion	< 0.41	0.41	mg/Kg	1	09/30/25	NP	SW7196A	
Ignitability	Passed	140	degree F	1	09/30/25	G	SW846-Ignit	1
pH at 20C - Soil	8.14	1.00	pH Units	1	09/29/25 23:32	KG	SW846 9045D	
Reactivity Cyanide	< 6	6	mg/Kg	1	10/01/25	IH/GD	SW846 7.3.3.1/90	1
Reactivity Sulfide	< 20	20	mg/Kg	1	10/01/25	IH/GD	SW846 CH7	1
Reactivity	Negative		Pos/Neg	1	10/01/25	IH/GD	SW846-React	1
Redox Potential	71.7		mV	1	09/29/25	KG	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	< 0.58	0.58	mg/Kg	1	10/01/25	J/K/K/G	SW9012B	
Extraction of NY ETPH	Completed				10/03/25	S/Z	SW3546	
Soil Extraction for Herbicide	Completed				10/02/25	X/D	SW3546	
NJ EPH Extraction	Completed				10/01/25	S/A	NJDEP 10-08 R3	
Soil Extraction for PCB	Completed				10/03/25	H/U	SW3546	
Soil Extraction for Pesticides	Completed				10/03/25	H/U	SW3546	
Soil Extraction for SVOA	Completed				10/02/25	NG/U	SW3546	
TCLP Digestion Mercury	Completed				09/30/25	AK/GW	SW7470A	
TCLP Herbicides Extraction	Completed				10/01/25	CV/AC1/D	SW8150 MOD	
TCLP Extraction for Metals	Completed				09/29/25	AK	SW1311	
TCLP Extraction for Organics	Completed				09/29/25	AK	SW1311	
TCLP Pesticides Extraction	Completed				10/01/25	J/J	SW3510C	
TCLP Semi-Volatile Extraction	Completed				09/30/25	T/T	SW3510C	
TCLP Extraction Volatiles	Completed				09/29/25	CV	SW1311	
Total Metals Digest	Completed				09/30/25	P/AG/BF	SW3050B	
NJ EPH Category 1 (Fuel #2/Diesel)								
>C28-C40	1100	45	mg/kg	5	10/06/25	JRB	NJEPH 10-08 R3	1
C9-C28	620	90	mg/kg	5	10/06/25	JRB	NJEPH 10-08 R3	1
Total EPH	1720	45	mg/kg	5	10/06/25	JRB	NJEPH 10-08 R3	1
QA/QC Surrogates								
% COD (surr)	Interference		%	5	10/06/25	JRB	40 - 140 %	
% Terphenyl (surr)	49		%	5	10/06/25	JRB	40 - 140 %	
Gasoline Range Hydrocarbons (C6-C10)								
GRO (C6-C10)	ND	7.6	mg/Kg	50	09/30/25	V	SW8015D GRO	
QA/QC Surrogates								
% 2,5-Dibromotoluene (FID)	113		%	50	09/30/25	V	70 - 130 %	
Chlorinated Herbicides								
2,4,5-T	ND	140	ug/Kg	10	10/03/25	JRB	SW8151A	
2,4,5-TP (Silvex)	ND	140	ug/Kg	10	10/03/25	JRB	SW8151A	
2,4-D	ND	290	ug/Kg	10	10/03/25	JRB	SW8151A	
2,4-DB	ND	1400	ug/Kg	10	10/03/25	JRB	SW8151A	
Dalapon	ND	140	ug/Kg	10	10/03/25	JRB	SW8151A	

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Dicamba	ND	140	ug/Kg	10	10/03/25	JRB	SW8151A
Dichloroprop	ND	290	ug/Kg	10	10/03/25	JRB	SW8151A
Dinoseb	ND	290	ug/Kg	10	10/03/25	JRB	SW8151A
QA/QC Surrogates							
% DCAA	107		%	10	10/03/25	JRB	30 - 150 %
% DCAA (Confirmation)	68		%	10	10/03/25	JRB	30 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	77	ug/Kg	2	10/04/25	SC	SW8082A
PCB-1221	ND	77	ug/Kg	2	10/04/25	SC	SW8082A
PCB-1232	ND	77	ug/Kg	2	10/04/25	SC	SW8082A
PCB-1242	ND	77	ug/Kg	2	10/04/25	SC	SW8082A
PCB-1248	ND	77	ug/Kg	2	10/04/25	SC	SW8082A
PCB-1254	ND	77	ug/Kg	2	10/04/25	SC	SW8082A
PCB-1260	ND	77	ug/Kg	2	10/04/25	SC	SW8082A
PCB-1262	ND	77	ug/Kg	2	10/04/25	SC	SW8082A
PCB-1268	ND	77	ug/Kg	2	10/04/25	SC	SW8082A
QA/QC Surrogates							
% DCBP	34		%	2	10/04/25	SC	30 - 150 %
% DCBP (Confirmation)	30		%	2	10/04/25	SC	30 - 150 %
% TCMX	74		%	2	10/04/25	SC	30 - 150 %
% TCMX (Confirmation)	65		%	2	10/04/25	SC	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.3	ug/Kg	2	10/06/25	AW	SW8081B
4,4' -DDE	ND	2.3	ug/Kg	2	10/06/25	AW	SW8081B
4,4' -DDT	ND	2.3	ug/Kg	2	10/06/25	AW	SW8081B
a-BHC	ND	7.7	ug/Kg	2	10/06/25	AW	SW8081B
a-Chlordane	ND	3.9	ug/Kg	2	10/06/25	AW	SW8081B
Aldrin	ND	3.9	ug/Kg	2	10/06/25	AW	SW8081B
b-BHC	ND	7.7	ug/Kg	2	10/06/25	AW	SW8081B
Chlordane	ND	39	ug/Kg	2	10/06/25	AW	SW8081B
d-BHC	ND	7.7	ug/Kg	2	10/06/25	AW	SW8081B
Dieldrin	ND	3.9	ug/Kg	2	10/06/25	AW	SW8081B
Endosulfan I	ND	7.7	ug/Kg	2	10/06/25	AW	SW8081B
Endosulfan II	ND	7.7	ug/Kg	2	10/06/25	AW	SW8081B
Endosulfan sulfate	ND	7.7	ug/Kg	2	10/06/25	AW	SW8081B
Endrin	ND	7.7	ug/Kg	2	10/06/25	AW	SW8081B
Endrin aldehyde	ND	7.7	ug/Kg	2	10/06/25	AW	SW8081B
Endrin ketone	ND	7.7	ug/Kg	2	10/06/25	AW	SW8081B
g-BHC	ND	40	ug/Kg	2	10/06/25	AW	SW8081B
g-Chlordane	ND	15	ug/Kg	2	10/06/25	AW	SW8081B
Heptachlor	ND	15	ug/Kg	2	10/06/25	AW	SW8081B
Heptachlor epoxide	ND	7.7	ug/Kg	2	10/06/25	AW	SW8081B
Methoxychlor	ND	39	ug/Kg	2	10/06/25	AW	SW8081B
Toxaphene	ND	150	ug/Kg	2	10/06/25	AW	SW8081B
QA/QC Surrogates							
% DCBP	38		%	2	10/06/25	AW	30 - 150 %
% DCBP (Confirmation)	28		%	2	10/06/25	AW	30 - 150 %
% TCMX	63		%	2	10/06/25	AW	30 - 150 %

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Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
% TCMX (Confirmation)	96		%	2	10/06/25	AW	30 - 150 %	
TCLP Herbicides								
2,4,5-TP (Silvex)	ND	50	ug/L	10	10/02/25	JRB	SW846 1311/8151	
2,4-D	ND	100	ug/L	10	10/02/25	JRB	SW846 1311/8151	
QA/QC Surrogates								
% DCAA	57		%	10	10/02/25	JRB	30 - 150 %	
% DCAA (Confirmation)	70		%	10	10/02/25	JRB	30 - 150 %	
TCLP Pesticides								
4,4' -DDD	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
4,4' -DDE	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
4,4' -DDT	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
a-BHC	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Alachlor	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	1
Aldrin	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
b-BHC	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Chlordane	ND	5.0	ug/L	10	10/02/25	AW	SW8081B	
d-BHC	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Dieldrin	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
Endosulfan I	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Endosulfan II	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
Endosulfan Sulfate	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
Endrin	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
Endrin Aldehyde	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
g-BHC (Lindane)	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Heptachlor	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Heptachlor epoxide	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Methoxychlor	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Toxaphene	ND	20	ug/L	10	10/02/25	AW	SW8081B	
QA/QC Surrogates								
%DCBP (Surrogate Rec)	86		%	10	10/02/25	AW	30 - 150 %	
%DCBP (Surrogate Rec) (Confirmation)	70		%	10	10/02/25	AW	30 - 150 %	
%TCMX (Surrogate Rec)	62		%	10	10/02/25	AW	30 - 150 %	
%TCMX (Surrogate Rec) (Confirmation)	66		%	10	10/02/25	AW	30 - 150 %	
TPH DRO (C10-C28)								
Diesel Range Organics (C10-C28)	840	560	mg/Kg	10	10/05/25	JRB	SW8015D DRO	
QA/QC Surrogates								
% Terphenyl-d14	Diluted Out		%	10	10/05/25	JRB	50 - 150 %	
% Tricosane(C23)	Diluted Out		%	10	10/05/25	JRB	50 - 150 %	
Volatiles (TCL)								
1,1,1-Trichloroethane	ND	4.5	ug/kg	1	10/01/25	JLI	SW8260D	
1,1,2,2-Tetrachloroethane	ND	380	ug/kg	50	10/01/25	JLI	SW8260D	
1,1,2-Trichloroethane	ND	4.5	ug/kg	1	10/01/25	JLI	SW8260D	
1,1-Dichloroethane	ND	4.5	ug/kg	1	10/01/25	JLI	SW8260D	
1,1-Dichloroethene	ND	4.5	ug/kg	1	10/01/25	JLI	SW8260D	
1,2,3-Trichlorobenzene	ND	380	ug/kg	50	10/01/25	JLI	SW8260D	
1,2,4-Trichlorobenzene	ND	380	ug/kg	50	10/01/25	JLI	SW8260D	

Project ID: EAST SIDE COASTAL RESILIENCY
Client ID: DEP101

Phoenix I.D.: CU37293

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,2,4-Trimethylbenzene	ND	380	ug/kg	50	10/01/25	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	380	ug/kg	50	10/01/25	JLI	SW8260D
1,2-Dibromoethane	ND	4.5	ug/kg	1	10/01/25	JLI	SW8260D
1,2-Dichlorobenzene	ND	380	ug/kg	50	10/01/25	JLI	SW8260D
1,2-Dichloroethane	ND	4.5	ug/kg	1	10/01/25	JLI	SW8260D
1,2-Dichloropropane	ND	4.5	ug/kg	1	10/01/25	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	380	ug/kg	50	10/01/25	JLI	SW8260D
1,3-Dichlorobenzene	ND	380	ug/kg	50	10/01/25	JLI	SW8260D
1,4-Dichlorobenzene	ND	380	ug/kg	50	10/01/25	JLI	SW8260D
2-Hexanone	ND	22	ug/kg	1	10/01/25	JLI	SW8260D
4-Methyl-2-pentanone	ND	22	ug/kg	1	10/01/25	JLI	SW8260D
Acetone	ND	45	ug/kg	1	10/01/25	JLI	SW8260D
Benzene	ND	4.5	ug/kg	1	10/01/25	JLI	SW8260D
Bromochloromethane	ND	4.5	ug/kg	1	10/01/25	JLI	SW8260D
Bromodichloromethane	ND	4.5	ug/kg	1	10/01/25	JLI	SW8260D
Bromoform	ND	4.5	ug/kg	1	10/01/25	JLI	SW8260D
Bromomethane	ND	4.5	ug/kg	1	10/01/25	JLI	SW8260D
Carbon Disulfide	ND	4.5	ug/kg	1	10/01/25	JLI	SW8260D
Carbon tetrachloride	ND	4.5	ug/kg	1	10/01/25	JLI	SW8260D
Chlorobenzene	ND	4.5	ug/kg	1	10/01/25	JLI	SW8260D
Chloroethane	ND	4.5	ug/kg	1	10/01/25	JLI	SW8260D
Chloroform	ND	4.5	ug/kg	1	10/01/25	JLI	SW8260D
Chloromethane	ND	4.5	ug/kg	1	10/01/25	JLI	SW8260D
cis-1,2-Dichloroethene	ND	4.5	ug/kg	1	10/01/25	JLI	SW8260D
cis-1,3-Dichloropropene	ND	4.5	ug/kg	1	10/01/25	JLI	SW8260D
Cyclohexane	ND	4.5	ug/kg	1	10/01/25	JLI	SW8260D
Dibromochloromethane	ND	4.5	ug/kg	1	10/01/25	JLI	SW8260D
Dichlorodifluoromethane	ND	4.5	ug/kg	1	10/01/25	JLI	SW8260D
Ethylbenzene	ND	4.5	ug/kg	1	10/01/25	JLI	SW8260D
Isopropylbenzene	ND	380	ug/kg	50	10/01/25	JLI	SW8260D
m&p-Xylene	ND	4.5	ug/kg	1	10/01/25	JLI	SW8260D
Methyl ethyl ketone	ND	27	ug/kg	1	10/01/25	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	9.0	ug/kg	1	10/01/25	JLI	SW8260D
Methylacetate	ND	45	ug/kg	1	10/01/25	JLI	SW8260D
Methylcyclohexane	ND	4.5	ug/kg	1	10/01/25	JLI	SW8260D
Methylene chloride	ND	22	ug/kg	1	10/01/25	JLI	SW8260D
o-Xylene	ND	4.5	ug/kg	1	10/01/25	JLI	SW8260D
Styrene	ND	4.5	ug/kg	1	10/01/25	JLI	SW8260D
Tetrachloroethene	ND	4.5	ug/kg	1	10/01/25	JLI	SW8260D
Toluene	ND	4.5	ug/kg	1	10/01/25	JLI	SW8260D
Total Xylenes	ND	4.5	ug/kg	1	10/01/25	JLI	SW8260D
trans-1,2-Dichloroethene	ND	4.5	ug/kg	1	10/01/25	JLI	SW8260D
trans-1,3-Dichloropropene	ND	4.5	ug/kg	1	10/01/25	JLI	SW8260D
Trichloroethene	ND	4.5	ug/kg	1	10/01/25	JLI	SW8260D
Trichlorofluoromethane	ND	4.5	ug/kg	1	10/01/25	JLI	SW8260D
Trichlorotrifluoroethane	ND	4.5	ug/kg	1	10/01/25	JLI	SW8260D
Vinyl chloride	ND	4.5	ug/kg	1	10/01/25	JLI	SW8260D
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	95		%	1	10/01/25	JLI	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Bromofluorobenzene	90		%	1	10/01/25	JLI	70 - 130 %
% Dibromofluoromethane	113		%	1	10/01/25	JLI	70 - 130 %
% Toluene-d8	78		%	1	10/01/25	JLI	70 - 130 %
% 1,2-dichlorobenzene-d4 (50x)	103		%	50	10/01/25	JLI	70 - 130 %
% Bromofluorobenzene (50x)	100		%	50	10/01/25	JLI	70 - 130 %
% Dibromofluoromethane (50x)	93		%	50	10/01/25	JLI	70 - 130 %
% Toluene-d8 (50x)	93		%	50	10/01/25	JLI	70 - 130 %
1,4-dioxane							
1,4-dioxane	ND	67	ug/kg	1	10/01/25	JLI	SW8260D
Volatiles							
1,2,3-Trichloropropane	ND	4.5	ug/Kg	1	10/01/25	JLI	SW8260D
1,2,4-Trimethylbenzene	ND	4.5	ug/Kg	1	10/01/25	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	4.5	ug/Kg	1	10/01/25	JLI	SW8260D
1,3-Dichloropropane	ND	4.5	ug/Kg	1	10/01/25	JLI	SW8260D
n-Butylbenzene	ND	4.5	ug/Kg	1	10/01/25	JLI	SW8260D
n-Propylbenzene	ND	4.5	ug/Kg	1	10/01/25	JLI	SW8260D
p-Isopropyltoluene	ND	4.5	ug/Kg	1	10/01/25	JLI	SW8260D
sec-Butylbenzene	ND	4.5	ug/Kg	1	10/01/25	JLI	SW8260D
tert-Butylbenzene	ND	4.5	ug/Kg	1	10/01/25	JLI	SW8260D
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	95		%	1	10/01/25	JLI	70 - 130 %
% Bromofluorobenzene	90		%	1	10/01/25	JLI	70 - 130 %
% Dibromofluoromethane	113		%	1	10/01/25	JLI	70 - 130 %
% Toluene-d8	78		%	1	10/01/25	JLI	70 - 130 %
TCLP Volatiles							
1,1-Dichloroethene	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
1,2-Dichloroethane	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
1,4-Dichlorobenzene	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
Benzene	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
Carbon tetrachloride	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
Chlorobenzene	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
Chloroform	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
Methyl ethyl ketone	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
Tetrachloroethene	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
Trichloroethene	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
Vinyl chloride	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4 (10x)	105		%	10	09/30/25	V	70 - 130 %
% Bromofluorobenzene (10x)	97		%	10	09/30/25	V	70 - 130 %
% Dibromofluoromethane (10x)	104		%	10	09/30/25	V	70 - 130 %
% Toluene-d8 (10x)	96		%	10	09/30/25	V	70 - 130 %
Volatile Library Search	Completed				10/01/25	JLI	
Semivolatiles							
1,1-Biphenyl	ND	270	ug/Kg	1	10/03/25	MR	SW8270E
1,2,4,5-Tetrachlorobenzene	ND	270	ug/Kg	1	10/03/25	MR	SW8270E

Project ID: EAST SIDE COASTAL RESILIENCY
Client ID: DEP101

Phoenix I.D.: CU37293

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
2,2'-Oxybis(1-Chloropropane)	ND	270	ug/Kg	1	10/03/25	MR	SW8270E	1
2,3,4,6-tetrachlorophenol	ND	270	ug/Kg	1	10/03/25	MR	SW8270E	
2,4,5-Trichlorophenol	ND	270	ug/Kg	1	10/03/25	MR	SW8270E	
2,4,6-Trichlorophenol	ND	270	ug/Kg	1	10/03/25	MR	SW8270E	
2,4-Dichlorophenol	ND	270	ug/Kg	1	10/03/25	MR	SW8270E	
2,4-Dimethylphenol	ND	270	ug/Kg	1	10/03/25	MR	SW8270E	
2,4-Dinitrophenol	ND	620	ug/Kg	1	10/03/25	MR	SW8270E	
2,4-Dinitrotoluene	ND	270	ug/Kg	1	10/03/25	MR	SW8270E	
2,6-Dinitrotoluene	ND	270	ug/Kg	1	10/03/25	MR	SW8270E	
2-Chloronaphthalene	ND	270	ug/Kg	1	10/03/25	MR	SW8270E	
2-Chlorophenol	ND	270	ug/Kg	1	10/03/25	MR	SW8270E	
2-Methylnaphthalene	ND	270	ug/Kg	1	10/03/25	MR	SW8270E	
2-Methylphenol (o-cresol)	ND	270	ug/Kg	1	10/03/25	MR	SW8270E	
2-Nitroaniline	ND	620	ug/Kg	1	10/03/25	MR	SW8270E	
2-Nitrophenol	ND	270	ug/Kg	1	10/03/25	MR	SW8270E	
3&4-Methylphenol (m&p-cresol)	ND	330	ug/Kg	1	10/03/25	MR	SW8270E	1
3,3'-Dichlorobenzidine	ND	460	ug/Kg	1	10/03/25	MR	SW8270E	
3-Nitroaniline	ND	620	ug/Kg	1	10/03/25	MR	SW8270E	
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	1	10/03/25	MR	SW8270E	
4-Bromophenyl phenyl ether	ND	390	ug/Kg	1	10/03/25	MR	SW8270E	
4-Chloro-3-methylphenol	ND	270	ug/Kg	1	10/03/25	MR	SW8270E	
4-Chloroaniline	ND	270	ug/Kg	1	10/03/25	MR	SW8270E	
4-Chlorophenyl phenyl ether	ND	270	ug/Kg	1	10/03/25	MR	SW8270E	
4-Nitroaniline	ND	620	ug/Kg	1	10/03/25	MR	SW8270E	
4-Nitrophenol	ND	1100	ug/Kg	1	10/03/25	MR	SW8270E	
Acenaphthene	560	270	ug/Kg	1	10/03/25	MR	SW8270E	
Acenaphthylene	ND	270	ug/Kg	1	10/03/25	MR	SW8270E	
Acetophenone	ND	270	ug/Kg	1	10/03/25	MR	SW8270E	
Anthracene	1500	270	ug/Kg	1	10/03/25	MR	SW8270E	
Atrazine	ND	270	ug/Kg	1	10/03/25	MR	SW8270E	
Benz(a)anthracene	2600	270	ug/Kg	1	10/03/25	MR	SW8270E	
Benzaldehyde	ND	270	ug/Kg	1	10/03/25	MR	SW8270E	
Benzo(a)pyrene	2500	270	ug/Kg	1	10/03/25	MR	SW8270E	
Benzo(b)fluoranthene	3100	270	ug/Kg	1	10/03/25	MR	SW8270E	
Benzo(ghi)perylene	1700	270	ug/Kg	1	10/03/25	MR	SW8270E	
Benzo(k)fluoranthene	1000	270	ug/Kg	1	10/03/25	MR	SW8270E	
Benzyl butyl phthalate	ND	270	ug/Kg	1	10/03/25	MR	SW8270E	
Bis(2-chloroethoxy)methane	ND	270	ug/Kg	1	10/03/25	MR	SW8270E	
Bis(2-chloroethyl)ether	ND	390	ug/Kg	1	10/03/25	MR	SW8270E	
Bis(2-ethylhexyl)phthalate	ND	270	ug/Kg	1	10/03/25	MR	SW8270E	
Caprolactam	ND	270	ug/Kg	1	10/03/25	MR	SW8270E	
Carbazole	480	390	ug/Kg	1	10/03/25	MR	SW8270E	
Chrysene	2400	270	ug/Kg	1	10/03/25	MR	SW8270E	
Dibenz(a,h)anthracene	400	190	ug/Kg	1	10/03/25	MR	SW8270E	
Dibenzofuran	400	270	ug/Kg	1	10/03/25	MR	SW8270E	
Diethyl phthalate	ND	270	ug/Kg	1	10/03/25	MR	SW8270E	
Dimethylphthalate	ND	270	ug/Kg	1	10/03/25	MR	SW8270E	
Di-n-butylphthalate	ND	770	ug/Kg	1	10/03/25	MR	SW8270E	
Di-n-octylphthalate	ND	270	ug/Kg	1	10/03/25	MR	SW8270E	

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Fluoranthene	5700	270	ug/Kg	1	10/03/25	MR	SW8270E
Fluorene	530	270	ug/Kg	1	10/03/25	MR	SW8270E
Hexachlorobenzene	ND	270	ug/Kg	1	10/03/25	MR	SW8270E
Hexachlorobutadiene	ND	270	ug/Kg	1	10/03/25	MR	SW8270E
Hexachlorocyclopentadiene	ND	270	ug/Kg	1	10/03/25	MR	SW8270E
Hexachloroethane	ND	270	ug/Kg	1	10/03/25	MR	SW8270E
Indeno(1,2,3-cd)pyrene	1900	270	ug/Kg	1	10/03/25	MR	SW8270E
Isophorone	ND	270	ug/Kg	1	10/03/25	MR	SW8270E
Naphthalene	ND	270	ug/Kg	1	10/03/25	MR	SW8270E
Nitrobenzene	ND	270	ug/Kg	1	10/03/25	MR	SW8270E
N-Nitrosodimethylamine	ND	390	ug/Kg	1	10/03/25	MR	SW8270E
N-Nitrosodi-n-propylamine	ND	190	ug/Kg	1	10/03/25	MR	SW8270E
N-Nitrosodiphenylamine	ND	390	ug/Kg	1	10/03/25	MR	SW8270E
Pentachlorophenol	ND	390	ug/Kg	1	10/03/25	MR	SW8270E
Phenanthrene	4100	270	ug/Kg	1	10/03/25	MR	SW8270E
Phenol	ND	270	ug/Kg	1	10/03/25	MR	SW8270E
Pyrene	5000	270	ug/Kg	1	10/03/25	MR	SW8270E
QA/QC Surrogates							
% 2,4,6-Tribromophenol	59		%	1	10/03/25	MR	30 - 130 %
% 2-Fluorobiphenyl	57		%	1	10/03/25	MR	30 - 130 %
% 2-Fluorophenol	62		%	1	10/03/25	MR	30 - 130 %
% Nitrobenzene-d5	61		%	1	10/03/25	MR	30 - 130 %
% Phenol-d5	67		%	1	10/03/25	MR	30 - 130 %
% Terphenyl-d14	65		%	1	10/03/25	MR	30 - 130 %
TCLP Acid/Base-Neutral							
1,4-Dichlorobenzene	ND	83	ug/L	1	10/01/25	MR	SW-846 1311/8270
2,4,5-Trichlorophenol	ND	83	ug/L	1	10/01/25	MR	SW-846 1311/8270
2,4,6-Trichlorophenol	ND	83	ug/L	1	10/01/25	MR	SW-846 1311/8270
2,4-Dinitrotoluene	ND	83	ug/L	1	10/01/25	MR	SW-846 1311/8270
2-Methylphenol (o-cresol)	ND	83	ug/L	1	10/01/25	MR	SW-846 1311/8270
3&4-Methylphenol (m&p-Cresol)	ND	83	ug/L	1	10/01/25	MR	SW-846 1311/8270
Hexachlorobenzene	ND	83	ug/L	1	10/01/25	MR	SW-846 1311/8270
Hexachlorobutadiene	ND	83	ug/L	1	10/01/25	MR	SW-846 1311/8270
Hexachloroethane	ND	83	ug/L	1	10/01/25	MR	SW-846 1311/8270
Nitrobenzene	ND	83	ug/L	1	10/01/25	MR	SW-846 1311/8270
Pentachlorophenol	ND	83	ug/L	1	10/01/25	MR	SW-846 1311/8270
Pyridine	ND	83	ug/L	1	10/01/25	MR	SW-846 1311/8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	89		%	1	10/01/25	MR	15 - 110 %
% 2-Fluorobiphenyl	45		%	1	10/01/25	MR	30 - 130 %
% 2-Fluorophenol	42		%	1	10/01/25	MR	15 - 110 %
% Nitrobenzene-d5	55		%	1	10/01/25	MR	30 - 130 %
% Phenol-d5	40		%	1	10/01/25	MR	15 - 110 %
% Terphenyl-d14	78		%	1	10/01/25	MR	30 - 130 %
Semivolatile Library Search	Completed				10/03/25	MR	

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 (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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.

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.

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.

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
October 08, 2025
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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

October 08, 2025

FOR: Attn: Mr. Brian Pendergast
American Environmental Solutions, Inc
42 West Avenue
Patchogue, NY 11772

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/26/25	12:20
Location Code:	AES-EASTSIDE	Received by:	CP	09/29/25	19:45
Rush Request:	5 Day	Analyzed by:	see "By" below		
P.O.#:	0987				

Laboratory Data

SDG ID: GCU37292
Phoenix ID: CU37294

Project ID: EAST SIDE COASTAL RESILIENCY
Client ID: DEP102

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	7.21	0.47	mg/Kg	1	10/02/25	TH	SW6010D
Aluminum	11100	71	mg/Kg	10	10/01/25	CPP	SW6010D
Arsenic	19.9	0.94	mg/Kg	1	10/02/25	CPP	SW6010D
Barium	300	0.47	mg/Kg	1	10/02/25	CPP	SW6010D
Beryllium	0.75	0.38	mg/Kg	1	10/02/25	CPP	SW6010D
Calcium	8450	7.1	mg/Kg	1	10/02/25	CPP	SW6010D
Cadmium	3.70	0.47	mg/Kg	1	10/02/25	CPP	SW6010D
Cobalt	9.27	0.47	mg/Kg	1	10/02/25	CPP	SW6010D
Chromium	74.9	0.47	mg/Kg	1	10/02/25	CPP	SW6010D
Copper	245	0.9	mg/kg	1	10/02/25	CPP	SW6010D
Iron	26700	7.1	mg/Kg	1	10/02/25	CPP	SW6010D
Mercury	1.13	0.11	mg/Kg	1	09/30/25	ZT	SW7473
Potassium	2880	71	mg/Kg	10	10/01/25	CPP	SW6010D
Magnesium	5320	7.1	mg/Kg	1	10/02/25	CPP	SW6010D
Manganese	288	0.47	mg/Kg	1	10/02/25	TH	SW6010D
Sodium	2280	7.1	mg/Kg	1	10/02/25	CPP	SW6010D
Nickel	34.0	0.47	mg/Kg	1	10/02/25	CPP	SW6010D
Lead	458	0.47	mg/Kg	1	10/02/25	CPP	SW6010D
Antimony	< 4.7	4.7	mg/Kg	1	10/02/25	CPP	SW6010D
Selenium	< 1.9	1.9	mg/Kg	1	10/02/25	TH	SW6010D
TCLP Silver	< 0.10	0.10	mg/L	1	09/30/25	TH	SW846 1311/6010
TCLP Arsenic	< 0.10	0.10	mg/L	1	09/30/25	TH	SW846 1311/6010
TCLP Barium	0.68	0.10	mg/L	1	09/30/25	TH	SW846 1311/6010
TCLP Cadmium	< 0.050	0.050	mg/L	1	09/30/25	TH	SW846 1311/6010
TCLP Chromium	< 0.10	0.10	mg/L	1	09/30/25	TH	SW846 1311/6010
TCLP Mercury	< 0.0002	0.0002	mg/L	1	09/30/25	AJ1	SW846 1311/7470
TCLP Lead	1.12	0.10	mg/L	1	09/30/25	TH	SW846 1311/6010
TCLP Selenium	< 0.10	0.10	mg/L	1	09/30/25	TH	SW846 1311/6010D

Ver 1

Project ID: EAST SIDE COASTAL RESILIENCY
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Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Thallium	< 4.2	4.2	mg/Kg	1	10/02/25	CPP	SW6010D	
TCLP Metals Digestion	Completed				09/30/25	AK/GW	SW3010A	
Vanadium	36.5	0.47	mg/Kg	1	10/02/25	CPP	SW6010D	
Zinc	497	0.9	mg/Kg	1	10/02/25	CPP	SW6010D	
Percent Solid	68		%		09/29/25	CV	SW846-%Solid	
Corrosivity	Negative		Pos/Neg	1	09/29/25	KG	SW846-Corr	1
Flash Point	>200	200	Degree F	1	09/30/25	G	SW1010B	
Chromium, Hex. (SW3060A digestion	< 0.54	0.54	mg/Kg	1	09/30/25	NP	SW7196A	
Ignitability	Passed	140	degree F	1	09/30/25	G	SW846-Ignit	1
pH at 20C - Soil	7.75	1.00	pH Units	1	09/29/25 23:32	KG	SW846 9045D	
Reactivity Cyanide	< 7	7	mg/Kg	1	10/01/25	IH/GD	SW846 7.3.3.1/90	1
Reactivity Sulfide	< 20	20	mg/Kg	1	10/01/25	IH/GD	SW846 CH7	1
Reactivity	Negative		Pos/Neg	1	10/01/25	IH/GD	SW846-React	1
Redox Potential	-49.6		mV	1	09/29/25	KG	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	< 0.74	0.74	mg/Kg	1	10/01/25	J/K/K/G	SW9012B	
Extraction of NY ETPH	Completed				10/03/25	S/Z	SW3546	
Soil Extraction for Herbicide	Completed				10/02/25	X/D	SW3546	
NJ EPH Extraction	Completed				10/01/25	S/A	NJDEP 10-08 R3	
Soil Extraction for PCB	Completed				10/06/25	C	SW3546	
Soil Extraction for Pesticides	Completed				10/06/25	C/Q	SW3546	
Soil Extraction for SVOA	Completed				10/02/25	NG/U	SW3546	
TCLP Digestion Mercury	Completed				09/30/25	AK/GW	SW7470A	
TCLP Herbicides Extraction	Completed				10/01/25	CV/AC1/D	SW8150 MOD	
TCLP Extraction for Metals	Completed				09/29/25	AK	SW1311	
TCLP Extraction for Organics	Completed				09/29/25	AK	SW1311	
TCLP Pesticides Extraction	Completed				10/01/25	J/J	SW3510C	
TCLP Semi-Volatile Extraction	Completed				09/30/25	T/T	SW3510C	
TCLP Extraction Volatiles	Completed				09/29/25	CV	SW1311	
Total Metals Digest	Completed				09/30/25	P/AG/BF	SW3050B	
NJ EPH Category 1 (Fuel #2/Diesel)								
>C28-C40	ND	58	mg/kg	5	10/06/25	JRB	NJEPH 10-08 R3	1
C9-C28	260	120	mg/kg	5	10/06/25	JRB	NJEPH 10-08 R3	1
Total EPH	260	58	mg/kg	5	10/06/25	JRB	NJEPH 10-08 R3	1
QA/QC Surrogates								
% COD (surr)	Interference		%	5	10/06/25	JRB	40 - 140 %	
% Terphenyl (surr)	137		%	5	10/06/25	JRB	40 - 140 %	
Gasoline Range Hydrocarbons (C6-C10)								
GRO (C6-C10)	20	13	mg/Kg	50	10/01/25	V	SW8015D GRO	
QA/QC Surrogates								
% 2,5-Dibromotoluene (FID)	113		%	50	10/01/25	V	70 - 130 %	
Chlorinated Herbicides								
2,4,5-T	ND	500	ug/Kg	10	10/03/25	JRB	SW8151A	
2,4,5-TP (Silvex)	ND	500	ug/Kg	10	10/03/25	JRB	SW8151A	
2,4-D	ND	1000	ug/Kg	10	10/03/25	JRB	SW8151A	
2,4-DB	ND	5000	ug/Kg	10	10/03/25	JRB	SW8151A	
Dalapon	ND	500	ug/Kg	10	10/03/25	JRB	SW8151A	

Ver 1

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Dicamba	ND	500	ug/Kg	10	10/03/25	JRB	SW8151A
Dichloroprop	ND	1000	ug/Kg	10	10/03/25	JRB	SW8151A
Dinoseb	ND	1000	ug/Kg	10	10/03/25	JRB	SW8151A
QA/QC Surrogates							
% DCAA	100		%	10	10/03/25	JRB	30 - 150 %
% DCAA (Confirmation)	61		%	10	10/03/25	JRB	30 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	98	ug/Kg	2	10/07/25	SC	SW8082A
PCB-1221	ND	98	ug/Kg	2	10/07/25	SC	SW8082A
PCB-1232	ND	98	ug/Kg	2	10/07/25	SC	SW8082A
PCB-1242	ND	98	ug/Kg	2	10/07/25	SC	SW8082A
PCB-1248	ND	98	ug/Kg	2	10/07/25	SC	SW8082A
PCB-1254	ND	98	ug/Kg	2	10/07/25	SC	SW8082A
PCB-1260	ND	98	ug/Kg	2	10/07/25	SC	SW8082A
PCB-1262	ND	98	ug/Kg	2	10/07/25	SC	SW8082A
PCB-1268	ND	98	ug/Kg	2	10/07/25	SC	SW8082A
QA/QC Surrogates							
% DCBP	68		%	2	10/07/25	SC	30 - 150 %
% DCBP (Confirmation)	82		%	2	10/07/25	SC	30 - 150 %
% TCMX	68		%	2	10/07/25	SC	30 - 150 %
% TCMX (Confirmation)	65		%	2	10/07/25	SC	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	3.3	ug/Kg	2	10/07/25	AW	SW8081B
4,4' -DDE	ND	3.3	ug/Kg	2	10/07/25	AW	SW8081B
4,4' -DDT	ND	3.3	ug/Kg	2	10/07/25	AW	SW8081B
a-BHC	ND	19	ug/Kg	2	10/07/25	AW	SW8081B
a-Chlordane	ND	9.5	ug/Kg	2	10/07/25	AW	SW8081B
Aldrin	ND	3.8	ug/Kg	2	10/07/25	AW	SW8081B
b-BHC	ND	19	ug/Kg	2	10/07/25	AW	SW8081B
Chlordane	ND	95	ug/Kg	2	10/07/25	AW	SW8081B
d-BHC	ND	19	ug/Kg	2	10/07/25	AW	SW8081B
Dieldrin	ND	3.8	ug/Kg	2	10/07/25	AW	SW8081B
Endosulfan I	ND	19	ug/Kg	2	10/07/25	AW	SW8081B
Endosulfan II	ND	19	ug/Kg	2	10/07/25	AW	SW8081B
Endosulfan sulfate	ND	19	ug/Kg	2	10/07/25	AW	SW8081B
Endrin	ND	9.5	ug/Kg	2	10/07/25	AW	SW8081B
Endrin aldehyde	ND	19	ug/Kg	2	10/07/25	AW	SW8081B
Endrin ketone	ND	19	ug/Kg	2	10/07/25	AW	SW8081B
g-BHC	ND	3.8	ug/Kg	2	10/07/25	AW	SW8081B
g-Chlordane	ND	9.5	ug/Kg	2	10/07/25	AW	SW8081B
Heptachlor	ND	19	ug/Kg	2	10/07/25	AW	SW8081B
Heptachlor epoxide	ND	19	ug/Kg	2	10/07/25	AW	SW8081B
Methoxychlor	ND	95	ug/Kg	2	10/07/25	AW	SW8081B
Toxaphene	ND	380	ug/Kg	2	10/07/25	AW	SW8081B
QA/QC Surrogates							
% DCBP	72		%	2	10/07/25	AW	30 - 150 %
% DCBP (Confirmation)	58		%	2	10/07/25	AW	30 - 150 %
% TCMX	56		%	2	10/07/25	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
% TCMX (Confirmation)	66		%	2	10/07/25	AW	30 - 150 %	
TCLP Herbicides								
2,4,5-TP (Silvex)	ND	50	ug/L	10	10/02/25	JRB	SW846 1311/8151	
2,4-D	ND	100	ug/L	10	10/02/25	JRB	SW846 1311/8151	
QA/QC Surrogates								
% DCAA	54		%	10	10/02/25	JRB	30 - 150 %	
% DCAA (Confirmation)	64		%	10	10/02/25	JRB	30 - 150 %	
TCLP Pesticides								
4,4' -DDD	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
4,4' -DDE	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
4,4' -DDT	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
a-BHC	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Alachlor	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	1
Aldrin	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
b-BHC	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Chlordane	ND	5.0	ug/L	10	10/02/25	AW	SW8081B	
d-BHC	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Dieldrin	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
Endosulfan I	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Endosulfan II	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
Endosulfan Sulfate	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
Endrin	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
Endrin Aldehyde	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
g-BHC (Lindane)	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Heptachlor	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Heptachlor epoxide	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Methoxychlor	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Toxaphene	ND	20	ug/L	10	10/02/25	AW	SW8081B	
QA/QC Surrogates								
%DCBP (Surrogate Rec)	89		%	10	10/02/25	AW	30 - 150 %	
%DCBP (Surrogate Rec) (Confirmation)	72		%	10	10/02/25	AW	30 - 150 %	
%TCMX (Surrogate Rec)	65		%	10	10/02/25	AW	30 - 150 %	
%TCMX (Surrogate Rec) (Confirmation)	70		%	10	10/02/25	AW	30 - 150 %	
TPH DRO (C10-C28)								
Diesel Range Organics (C10-C28)	1200	360	mg/Kg	5	10/05/25	JRB	SW8015D DRO	
QA/QC Surrogates								
% Terphenyl-d14	131		%	5	10/05/25	JRB	50 - 150 %	
% Tricosane(C23)	55		%	5	10/05/25	JRB	50 - 150 %	
Volatiles (TCL)								
1,1,1-Trichloroethane	ND	7.9	ug/kg	1	10/01/25	JLI	SW8260D	
1,1,2,2-Tetrachloroethane	ND	850	ug/kg	50	10/01/25	JLI	SW8260D	
1,1,2-Trichloroethane	ND	7.9	ug/kg	1	10/01/25	JLI	SW8260D	
1,1-Dichloroethane	ND	7.9	ug/kg	1	10/01/25	JLI	SW8260D	
1,1-Dichloroethene	ND	7.9	ug/kg	1	10/01/25	JLI	SW8260D	
1,2,3-Trichlorobenzene	ND	850	ug/kg	50	10/01/25	JLI	SW8260D	
1,2,4-Trichlorobenzene	ND	850	ug/kg	50	10/01/25	JLI	SW8260D	

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Parameter	Result		RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,2,4-Trimethylbenzene	ND		850	ug/kg	50	10/01/25	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND		850	ug/kg	50	10/01/25	JLI	SW8260D
1,2-Dibromoethane	ND		7.9	ug/kg	1	10/01/25	JLI	SW8260D
1,2-Dichlorobenzene	ND		850	ug/kg	50	10/01/25	JLI	SW8260D
1,2-Dichloroethane	ND		7.9	ug/kg	1	10/01/25	JLI	SW8260D
1,2-Dichloropropane	ND		7.9	ug/kg	1	10/01/25	JLI	SW8260D
1,3,5-Trimethylbenzene	ND		850	ug/kg	50	10/01/25	JLI	SW8260D
1,3-Dichlorobenzene	ND		850	ug/kg	50	10/01/25	JLI	SW8260D
1,4-Dichlorobenzene	ND		850	ug/kg	50	10/01/25	JLI	SW8260D
2-Hexanone	ND		40	ug/kg	1	10/01/25	JLI	SW8260D
4-Methyl-2-pentanone	ND		40	ug/kg	1	10/01/25	JLI	SW8260D
Acetone	81	S	50	ug/kg	1	10/01/25	JLI	SW8260D
Benzene	ND		7.9	ug/kg	1	10/01/25	JLI	SW8260D
Bromochloromethane	ND		7.9	ug/kg	1	10/01/25	JLI	SW8260D
Bromodichloromethane	ND		7.9	ug/kg	1	10/01/25	JLI	SW8260D
Bromoform	ND		7.9	ug/kg	1	10/01/25	JLI	SW8260D
Bromomethane	ND		7.9	ug/kg	1	10/01/25	JLI	SW8260D
Carbon Disulfide	9.8		7.9	ug/kg	1	10/01/25	JLI	SW8260D
Carbon tetrachloride	ND		7.9	ug/kg	1	10/01/25	JLI	SW8260D
Chlorobenzene	ND		7.9	ug/kg	1	10/01/25	JLI	SW8260D
Chloroethane	ND		7.9	ug/kg	1	10/01/25	JLI	SW8260D
Chloroform	ND		7.9	ug/kg	1	10/01/25	JLI	SW8260D
Chloromethane	ND		7.9	ug/kg	1	10/01/25	JLI	SW8260D
cis-1,2-Dichloroethene	ND		7.9	ug/kg	1	10/01/25	JLI	SW8260D
cis-1,3-Dichloropropene	ND		7.9	ug/kg	1	10/01/25	JLI	SW8260D
Cyclohexane	ND		7.9	ug/kg	1	10/01/25	JLI	SW8260D
Dibromochloromethane	ND		7.9	ug/kg	1	10/01/25	JLI	SW8260D
Dichlorodifluoromethane	ND		7.9	ug/kg	1	10/01/25	JLI	SW8260D
Ethylbenzene	8.9		7.9	ug/kg	1	10/01/25	JLI	SW8260D
Isopropylbenzene	ND		850	ug/kg	50	10/01/25	JLI	SW8260D
m&p-Xylene	ND		7.9	ug/kg	1	10/01/25	JLI	SW8260D
Methyl ethyl ketone	ND		48	ug/kg	1	10/01/25	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND		16	ug/kg	1	10/01/25	JLI	SW8260D
Methylacetate	ND		79	ug/kg	1	10/01/25	JLI	SW8260D
Methylcyclohexane	ND		7.9	ug/kg	1	10/01/25	JLI	SW8260D
Methylene chloride	ND		40	ug/kg	1	10/01/25	JLI	SW8260D
o-Xylene	20		7.9	ug/kg	1	10/01/25	JLI	SW8260D
Styrene	ND		7.9	ug/kg	1	10/01/25	JLI	SW8260D
Tetrachloroethene	ND		7.9	ug/kg	1	10/01/25	JLI	SW8260D
Toluene	ND		7.9	ug/kg	1	10/01/25	JLI	SW8260D
Total Xylenes	20.0		7.9	ug/kg	1	10/01/25	JLI	SW8260D
trans-1,2-Dichloroethene	ND		7.9	ug/kg	1	10/01/25	JLI	SW8260D
trans-1,3-Dichloropropene	ND		7.9	ug/kg	1	10/01/25	JLI	SW8260D
Trichloroethene	ND		7.9	ug/kg	1	10/01/25	JLI	SW8260D
Trichlorofluoromethane	ND		7.9	ug/kg	1	10/01/25	JLI	SW8260D
Trichlorotrifluoroethane	ND		7.9	ug/kg	1	10/01/25	JLI	SW8260D
Vinyl chloride	ND		7.9	ug/kg	1	10/01/25	JLI	SW8260D
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	97			%	1	10/01/25	JLI	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Bromofluorobenzene	83		%	1	10/01/25	JLI	70 - 130 %
% Dibromofluoromethane	113		%	1	10/01/25	JLI	70 - 130 %
% Toluene-d8	78		%	1	10/01/25	JLI	70 - 130 %
% 1,2-dichlorobenzene-d4 (50x)	102		%	50	10/01/25	JLI	70 - 130 %
% Bromofluorobenzene (50x)	98		%	50	10/01/25	JLI	70 - 130 %
% Dibromofluoromethane (50x)	94		%	50	10/01/25	JLI	70 - 130 %
% Toluene-d8 (50x)	93		%	50	10/01/25	JLI	70 - 130 %
1,4-dioxane							
1,4-dioxane	ND	100	ug/kg	1	10/01/25	JLI	SW8260D
Volatiles							
1,2,3-Trichloropropane	ND	7.9	ug/Kg	1	10/01/25	JLI	SW8260D
1,2,4-Trimethylbenzene	37	7.9	ug/Kg	1	10/01/25	JLI	SW8260D
1,3,5-Trimethylbenzene	50	7.9	ug/Kg	1	10/01/25	JLI	SW8260D
1,3-Dichloropropane	ND	7.9	ug/Kg	1	10/01/25	JLI	SW8260D
n-Butylbenzene	ND	7.9	ug/Kg	1	10/01/25	JLI	SW8260D
n-Propylbenzene	10	7.9	ug/Kg	1	10/01/25	JLI	SW8260D
p-Isopropyltoluene	13	7.9	ug/Kg	1	10/01/25	JLI	SW8260D
sec-Butylbenzene	ND	7.9	ug/Kg	1	10/01/25	JLI	SW8260D
tert-Butylbenzene	ND	7.9	ug/Kg	1	10/01/25	JLI	SW8260D
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	97		%	1	10/01/25	JLI	70 - 130 %
% Bromofluorobenzene	83		%	1	10/01/25	JLI	70 - 130 %
% Dibromofluoromethane	113		%	1	10/01/25	JLI	70 - 130 %
% Toluene-d8	78		%	1	10/01/25	JLI	70 - 130 %
TCLP Volatiles							
1,1-Dichloroethene	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
1,2-Dichloroethane	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
1,4-Dichlorobenzene	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
Benzene	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
Carbon tetrachloride	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
Chlorobenzene	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
Chloroform	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
Methyl ethyl ketone	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
Tetrachloroethene	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
Trichloroethene	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
Vinyl chloride	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4 (10x)	102		%	10	09/30/25	V	70 - 130 %
% Bromofluorobenzene (10x)	97		%	10	09/30/25	V	70 - 130 %
% Dibromofluoromethane (10x)	100		%	10	09/30/25	V	70 - 130 %
% Toluene-d8 (10x)	98		%	10	09/30/25	V	70 - 130 %
Volatile Library Search	Completed				10/01/25	JLI	
Semivolatiles							
1,1-Biphenyl	ND	730	ug/Kg	1	10/03/25	MR	SW8270E
1,2,4,5-Tetrachlorobenzene	ND	730	ug/Kg	1	10/03/25	MR	SW8270E

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Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
2,2'-Oxybis(1-Chloropropane)	ND	730	ug/Kg	1	10/03/25	MR	SW8270E	1
2,3,4,6-tetrachlorophenol	ND	730	ug/Kg	1	10/03/25	MR	SW8270E	
2,4,5-Trichlorophenol	ND	730	ug/Kg	1	10/03/25	MR	SW8270E	
2,4,6-Trichlorophenol	ND	730	ug/Kg	1	10/03/25	MR	SW8270E	
2,4-Dichlorophenol	ND	730	ug/Kg	1	10/03/25	MR	SW8270E	
2,4-Dimethylphenol	ND	730	ug/Kg	1	10/03/25	MR	SW8270E	
2,4-Dinitrophenol	ND	1700	ug/Kg	1	10/03/25	MR	SW8270E	
2,4-Dinitrotoluene	ND	730	ug/Kg	1	10/03/25	MR	SW8270E	
2,6-Dinitrotoluene	ND	730	ug/Kg	1	10/03/25	MR	SW8270E	
2-Chloronaphthalene	ND	730	ug/Kg	1	10/03/25	MR	SW8270E	
2-Chlorophenol	ND	730	ug/Kg	1	10/03/25	MR	SW8270E	
2-Methylnaphthalene	2600	730	ug/Kg	1	10/03/25	MR	SW8270E	
2-Methylphenol (o-cresol)	ND	330	ug/Kg	1	10/03/25	MR	SW8270E	
2-Nitroaniline	ND	1700	ug/Kg	1	10/03/25	MR	SW8270E	
2-Nitrophenol	ND	730	ug/Kg	1	10/03/25	MR	SW8270E	
3&4-Methylphenol (m&p-cresol)	340	330	ug/Kg	1	10/03/25	MR	SW8270E	1
3,3'-Dichlorobenzidine	ND	1200	ug/Kg	1	10/03/25	MR	SW8270E	
3-Nitroaniline	ND	1700	ug/Kg	1	10/03/25	MR	SW8270E	
4,6-Dinitro-2-methylphenol	ND	3000	ug/Kg	1	10/03/25	MR	SW8270E	
4-Bromophenyl phenyl ether	ND	1000	ug/Kg	1	10/03/25	MR	SW8270E	
4-Chloro-3-methylphenol	ND	730	ug/Kg	1	10/03/25	MR	SW8270E	
4-Chloroaniline	ND	730	ug/Kg	1	10/03/25	MR	SW8270E	
4-Chlorophenyl phenyl ether	ND	730	ug/Kg	1	10/03/25	MR	SW8270E	
4-Nitroaniline	ND	1700	ug/Kg	1	10/03/25	MR	SW8270E	
4-Nitrophenol	ND	3000	ug/Kg	1	10/03/25	MR	SW8270E	
Acenaphthene	9700	730	ug/Kg	1	10/03/25	MR	SW8270E	
Acenaphthylene	2400	730	ug/Kg	1	10/03/25	MR	SW8270E	
Acetophenone	ND	730	ug/Kg	1	10/03/25	MR	SW8270E	
Anthracene	9700	730	ug/Kg	1	10/03/25	MR	SW8270E	
Atrazine	ND	730	ug/Kg	1	10/03/25	MR	SW8270E	
Benz(a)anthracene	9100	730	ug/Kg	1	10/03/25	MR	SW8270E	
Benzaldehyde	ND	730	ug/Kg	1	10/03/25	MR	SW8270E	
Benzo(a)pyrene	7900	730	ug/Kg	1	10/03/25	MR	SW8270E	
Benzo(b)fluoranthene	7200	730	ug/Kg	1	10/03/25	MR	SW8270E	
Benzo(ghi)perylene	3900	730	ug/Kg	1	10/03/25	MR	SW8270E	
Benzo(k)fluoranthene	2300	730	ug/Kg	1	10/03/25	MR	SW8270E	
Benzyl butyl phthalate	ND	730	ug/Kg	1	10/03/25	MR	SW8270E	
Bis(2-chloroethoxy)methane	ND	730	ug/Kg	1	10/03/25	MR	SW8270E	
Bis(2-chloroethyl)ether	ND	1000	ug/Kg	1	10/03/25	MR	SW8270E	
Bis(2-ethylhexyl)phthalate	ND	730	ug/Kg	1	10/03/25	MR	SW8270E	
Caprolactam	ND	730	ug/Kg	1	10/03/25	MR	SW8270E	
Carbazole	ND	1000	ug/Kg	1	10/03/25	MR	SW8270E	
Chrysene	8200	730	ug/Kg	1	10/03/25	MR	SW8270E	
Dibenz(a,h)anthracene	960	520	ug/Kg	1	10/03/25	MR	SW8270E	
Dibenzofuran	730	730	ug/Kg	1	10/03/25	MR	SW8270E	
Diethyl phthalate	ND	730	ug/Kg	1	10/03/25	MR	SW8270E	
Dimethylphthalate	ND	730	ug/Kg	1	10/03/25	MR	SW8270E	
Di-n-butylphthalate	ND	2100	ug/Kg	1	10/03/25	MR	SW8270E	
Di-n-octylphthalate	ND	730	ug/Kg	1	10/03/25	MR	SW8270E	

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Fluoranthene	15000	730	ug/Kg	1	10/03/25	MR	SW8270E
Fluorene	3700	730	ug/Kg	1	10/03/25	MR	SW8270E
Hexachlorobenzene	ND	330	ug/Kg	1	10/03/25	MR	SW8270E
Hexachlorobutadiene	ND	730	ug/Kg	1	10/03/25	MR	SW8270E
Hexachlorocyclopentadiene	ND	730	ug/Kg	1	10/03/25	MR	SW8270E
Hexachloroethane	ND	730	ug/Kg	1	10/03/25	MR	SW8270E
Indeno(1,2,3-cd)pyrene	4100	730	ug/Kg	1	10/03/25	MR	SW8270E
Isophorone	ND	730	ug/Kg	1	10/03/25	MR	SW8270E
Naphthalene	5200	730	ug/Kg	1	10/03/25	MR	SW8270E
Nitrobenzene	ND	730	ug/Kg	1	10/03/25	MR	SW8270E
N-Nitrosodimethylamine	ND	1000	ug/Kg	1	10/03/25	MR	SW8270E
N-Nitrosodi-n-propylamine	ND	520	ug/Kg	1	10/03/25	MR	SW8270E
N-Nitrosodiphenylamine	ND	1000	ug/Kg	1	10/03/25	MR	SW8270E
Pentachlorophenol	ND	800	ug/Kg	1	10/03/25	MR	SW8270E
Phenanthrene	20000	730	ug/Kg	1	10/03/25	MR	SW8270E
Phenol	ND	330	ug/Kg	1	10/03/25	MR	SW8270E
Pyrene	20000	730	ug/Kg	1	10/03/25	MR	SW8270E
QA/QC Surrogates							
% 2,4,6-Tribromophenol	65		%	1	10/03/25	MR	30 - 130 %
% 2-Fluorobiphenyl	55		%	1	10/03/25	MR	30 - 130 %
% 2-Fluorophenol	56		%	1	10/03/25	MR	30 - 130 %
% Nitrobenzene-d5	55		%	1	10/03/25	MR	30 - 130 %
% Phenol-d5	59		%	1	10/03/25	MR	30 - 130 %
% Terphenyl-d14	61		%	1	10/03/25	MR	30 - 130 %

TCLP Acid/Base-Neutral

1,4-Dichlorobenzene	ND	83	ug/L	1	10/01/25	MR	SW-846 1311/8270
2,4,5-Trichlorophenol	ND	83	ug/L	1	10/01/25	MR	SW-846 1311/8270
2,4,6-Trichlorophenol	ND	83	ug/L	1	10/01/25	MR	SW-846 1311/8270
2,4-Dinitrotoluene	ND	83	ug/L	1	10/01/25	MR	SW-846 1311/8270
2-Methylphenol (o-cresol)	ND	83	ug/L	1	10/01/25	MR	SW-846 1311/8270
3&4-Methylphenol (m&p-Cresol)	ND	83	ug/L	1	10/01/25	MR	SW-846 1311/8270
Hexachlorobenzene	ND	83	ug/L	1	10/01/25	MR	SW-846 1311/8270
Hexachlorobutadiene	ND	83	ug/L	1	10/01/25	MR	SW-846 1311/8270
Hexachloroethane	ND	83	ug/L	1	10/01/25	MR	SW-846 1311/8270
Nitrobenzene	ND	83	ug/L	1	10/01/25	MR	SW-846 1311/8270
Pentachlorophenol	ND	83	ug/L	1	10/01/25	MR	SW-846 1311/8270
Pyridine	ND	83	ug/L	1	10/01/25	MR	SW-846 1311/8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	91		%	1	10/01/25	MR	15 - 110 %
% 2-Fluorobiphenyl	49		%	1	10/01/25	MR	30 - 130 %
% 2-Fluorophenol	47		%	1	10/01/25	MR	15 - 110 %
% Nitrobenzene-d5	62		%	1	10/01/25	MR	30 - 130 %
% Phenol-d5	45		%	1	10/01/25	MR	15 - 110 %
% Terphenyl-d14	79		%	1	10/01/25	MR	30 - 130 %
Semivolatile Library Search	Completed				10/03/25	MR	

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

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

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

Comments:

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.

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.

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.

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.

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.

S - Laboratory solvent, contamination is possible.

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

Phyllis Shiller, Laboratory Director
October 08, 2025
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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

October 08, 2025

FOR: Attn: Mr. Brian Pendergast
American Environmental Solutions, Inc
42 West Avenue
Patchogue, NY 11772

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/26/25	9:10
Location Code:	AES-EASTSIDE	Received by:	CP	09/29/25	19:45
Rush Request:	5 Day	Analyzed by:	see "By" below		
P.O.#:	0987				

Laboratory Data

SDG ID: GCU37292
Phoenix ID: CU37295

Project ID: EAST SIDE COASTAL RESILIENCY
Client ID: DEP103

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.39	0.39	mg/Kg	1	10/02/25	CPP	SW6010D
Aluminum	9150	58	mg/Kg	10	10/01/25	CPP	SW6010D
Arsenic	7.87	0.77	mg/Kg	1	10/02/25	CPP	SW6010D
Barium	179	0.39	mg/Kg	1	10/02/25	CPP	SW6010D
Beryllium	0.57	0.31	mg/Kg	1	10/02/25	CPP	SW6010D
Calcium	15300	58	mg/Kg	10	10/01/25	CPP	SW6010D
Cadmium	0.44	0.39	mg/Kg	1	10/02/25	CPP	SW6010D
Cobalt	5.86	0.39	mg/Kg	1	10/02/25	CPP	SW6010D
Chromium	20.6	0.39	mg/Kg	1	10/02/25	CPP	SW6010D
Copper	45.0	0.8	mg/kg	1	10/02/25	CPP	SW6010D
Iron	15300	5.8	mg/Kg	1	10/02/25	CPP	SW6010D
Mercury	0.225	0.088	mg/Kg	1	09/30/25	ZT	SW7473
Potassium	2080	58	mg/Kg	10	10/01/25	CPP	SW6010D
Magnesium	8340	5.8	mg/Kg	1	10/02/25	CPP	SW6010D
Manganese	243	0.39	mg/Kg	1	10/02/25	TH	SW6010D
Sodium	3260	5.8	mg/Kg	1	10/02/25	CPP	SW6010D
Nickel	13.6	0.39	mg/Kg	1	10/02/25	CPP	SW6010D
Lead	155	0.39	mg/Kg	1	10/02/25	CPP	SW6010D
Antimony	< 3.9	3.9	mg/Kg	1	10/02/25	CPP	SW6010D
Selenium	< 1.5	1.5	mg/Kg	1	10/02/25	CPP	SW6010D
TCLP Silver	< 0.10	0.10	mg/L	1	09/30/25	TH	SW846 1311/6010
TCLP Arsenic	< 0.10	0.10	mg/L	1	09/30/25	TH	SW846 1311/6010
TCLP Barium	0.70	0.10	mg/L	1	09/30/25	TH	SW846 1311/6010
TCLP Cadmium	< 0.050	0.050	mg/L	1	09/30/25	TH	SW846 1311/6010
TCLP Chromium	< 0.10	0.10	mg/L	1	09/30/25	TH	SW846 1311/6010
TCLP Mercury	< 0.0002	0.0002	mg/L	1	09/30/25	AJ1	SW846 1311/7470
TCLP Lead	0.46	0.10	mg/L	1	09/30/25	TH	SW846 1311/6010
TCLP Selenium	< 0.10	0.10	mg/L	1	09/30/25	TH	SW846 1311/6010D

Ver 1

Project ID: EAST SIDE COASTAL RESILIENCY
Client ID: DEP103

Phoenix I.D.: CU37295

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Thallium	< 3.5	3.5	mg/Kg	1	10/02/25	CPP	SW6010D	
TCLP Metals Digestion	Completed				09/30/25	AK/GW	SW3010A	
Vanadium	23.1	0.39	mg/Kg	1	10/02/25	CPP	SW6010D	
Zinc	127	0.8	mg/Kg	1	10/02/25	CPP	SW6010D	
Percent Solid	85		%		09/29/25	CV	SW846-%Solid	
Corrosivity	Negative		Pos/Neg	1	09/29/25	KG	SW846-Corr	1
Flash Point	>200	200	Degree F	1	09/30/25	G	SW1010B	
Chromium, Hex. (SW3060A digestion	< 0.45	0.45	mg/Kg	1	09/30/25	NP	SW7196A	
Ignitability	Passed	140	degree F	1	09/30/25	G	SW846-Ignit	1
pH at 20C - Soil	8.37	1.00	pH Units	1	09/29/25 23:32	KG	SW846 9045D	
Reactivity Cyanide	< 6	6	mg/Kg	1	10/01/25	IH/GD	SW846 7.3.3.1/90	1
Reactivity Sulfide	< 20	20	mg/Kg	1	10/01/25	IH/GD	SW846 CH7	1
Reactivity	Negative		Pos/Neg	1	10/01/25	IH/GD	SW846-React	1
Redox Potential	-74.8		mV	1	09/29/25	KG	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	< 0.59	0.59	mg/Kg	1	10/01/25	J/K/K/G	SW9012B	
Extraction of NY ETPH	Completed				10/03/25	S/Z	SW3546	
Soil Extraction for Herbicide	Completed				10/02/25	X/D	SW3546	
NJ EPH Extraction	Completed				10/01/25	S/A	NJDEP 10-08 R3	
Soil Extraction for PCB	Completed				10/06/25	C	SW3546	
Soil Extraction for Pesticides	Completed				10/06/25	C/Q	SW3546	
Soil Extraction for SVOA	Completed				10/02/25	NG/U	SW3546	
TCLP Digestion Mercury	Completed				09/30/25	AK/GW	SW7470A	
TCLP Herbicides Extraction	Completed				10/02/25	CV/AC1/D	SW8150 MOD	
TCLP Extraction for Metals	Completed				09/29/25	AK	SW1311	
TCLP Extraction for Organics	Completed				09/29/25	AK	SW1311	
TCLP Pesticides Extraction	Completed				10/01/25	J/J	SW3510C	
TCLP Semi-Volatile Extraction	Completed				09/30/25	T/T	SW3510C	
TCLP Extraction Volatiles	Completed				09/29/25	CV	SW1311	
Total Metals Digest	Completed				09/30/25	P/AG/BF	SW3050B	
NJ EPH Category 1 (Fuel #2/Diesel)								
>C28-C40	350	46	mg/kg	5	10/06/25	JRB	NJEPH 10-08 R3	1
C9-C28	130	93	mg/kg	5	10/06/25	JRB	NJEPH 10-08 R3	1
Total EPH	480	46	mg/kg	5	10/06/25	JRB	NJEPH 10-08 R3	1
QA/QC Surrogates								
% COD (surr)	Interference		%	5	10/06/25	JRB	40 - 140 %	
% Terphenyl (surr)	122		%	5	10/06/25	JRB	40 - 140 %	
Gasoline Range Hydrocarbons (C6-C10)								
GRO (C6-C10)	ND	7.2	mg/Kg	50	10/01/25	V	SW8015D GRO	
QA/QC Surrogates								
% 2,5-Dibromotoluene (FID)	112		%	50	10/01/25	V	70 - 130 %	
Chlorinated Herbicides								
2,4,5-T	ND	150	ug/Kg	10	10/03/25	JRB	SW8151A	
2,4,5-TP (Silvex)	ND	150	ug/Kg	10	10/03/25	JRB	SW8151A	
2,4-D	ND	290	ug/Kg	10	10/03/25	JRB	SW8151A	
2,4-DB	ND	1500	ug/Kg	10	10/03/25	JRB	SW8151A	
Dalapon	ND	150	ug/Kg	10	10/03/25	JRB	SW8151A	

Ver 1

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Dicamba	ND	150	ug/Kg	10	10/03/25	JRB	SW8151A
Dichloroprop	ND	290	ug/Kg	10	10/03/25	JRB	SW8151A
Dinoseb	ND	290	ug/Kg	10	10/03/25	JRB	SW8151A
QA/QC Surrogates							
% DCAA	99		%	10	10/03/25	JRB	30 - 150 %
% DCAA (Confirmation)	85		%	10	10/03/25	JRB	30 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	76	ug/Kg	2	10/07/25	SC	SW8082A
PCB-1221	ND	76	ug/Kg	2	10/07/25	SC	SW8082A
PCB-1232	ND	76	ug/Kg	2	10/07/25	SC	SW8082A
PCB-1242	ND	76	ug/Kg	2	10/07/25	SC	SW8082A
PCB-1248	ND	76	ug/Kg	2	10/07/25	SC	SW8082A
PCB-1254	ND	76	ug/Kg	2	10/07/25	SC	SW8082A
PCB-1260	ND	76	ug/Kg	2	10/07/25	SC	SW8082A
PCB-1262	ND	76	ug/Kg	2	10/07/25	SC	SW8082A
PCB-1268	ND	76	ug/Kg	2	10/07/25	SC	SW8082A
QA/QC Surrogates							
% DCBP	67		%	2	10/07/25	SC	30 - 150 %
% DCBP (Confirmation)	72		%	2	10/07/25	SC	30 - 150 %
% TCMX	74		%	2	10/07/25	SC	30 - 150 %
% TCMX (Confirmation)	70		%	2	10/07/25	SC	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.4	ug/Kg	2	10/07/25	AW	SW8081B
4,4' -DDE	ND	2.4	ug/Kg	2	10/07/25	AW	SW8081B
4,4' -DDT	ND	2.4	ug/Kg	2	10/07/25	AW	SW8081B
a-BHC	ND	7.8	ug/Kg	2	10/07/25	AW	SW8081B
a-Chlordane	ND	3.9	ug/Kg	2	10/07/25	AW	SW8081B
Aldrin	ND	3.9	ug/Kg	2	10/07/25	AW	SW8081B
b-BHC	ND	7.8	ug/Kg	2	10/07/25	AW	SW8081B
Chlordane	ND	39	ug/Kg	2	10/07/25	AW	SW8081B
d-BHC	ND	7.8	ug/Kg	2	10/07/25	AW	SW8081B
Dieldrin	ND	3.9	ug/Kg	2	10/07/25	AW	SW8081B
Endosulfan I	ND	7.8	ug/Kg	2	10/07/25	AW	SW8081B
Endosulfan II	ND	7.8	ug/Kg	2	10/07/25	AW	SW8081B
Endosulfan sulfate	ND	7.8	ug/Kg	2	10/07/25	AW	SW8081B
Endrin	ND	7.8	ug/Kg	2	10/07/25	AW	SW8081B
Endrin aldehyde	ND	7.8	ug/Kg	2	10/07/25	AW	SW8081B
Endrin ketone	ND	7.8	ug/Kg	2	10/07/25	AW	SW8081B
g-BHC	ND	1.6	ug/Kg	2	10/07/25	AW	SW8081B
g-Chlordane	ND	3.9	ug/Kg	2	10/07/25	AW	SW8081B
Heptachlor	ND	7.8	ug/Kg	2	10/07/25	AW	SW8081B
Heptachlor epoxide	ND	7.8	ug/Kg	2	10/07/25	AW	SW8081B
Methoxychlor	ND	39	ug/Kg	2	10/07/25	AW	SW8081B
Toxaphene	ND	160	ug/Kg	2	10/07/25	AW	SW8081B
QA/QC Surrogates							
% DCBP	70		%	2	10/07/25	AW	30 - 150 %
% DCBP (Confirmation)	69		%	2	10/07/25	AW	30 - 150 %
% TCMX	54		%	2	10/07/25	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
% TCMX (Confirmation)	77		%	2	10/07/25	AW	30 - 150 %	
TCLP Herbicides								
2,4,5-TP (Silvex)	ND	50	ug/L	10	10/04/25	JRB	SW846 1311/8151	
2,4-D	ND	100	ug/L	10	10/04/25	JRB	SW846 1311/8151	
QA/QC Surrogates								
% DCAA	68		%	10	10/04/25	JRB	30 - 150 %	
% DCAA (Confirmation)	69		%	10	10/04/25	JRB	30 - 150 %	
TCLP Pesticides								
4,4' -DDD	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
4,4' -DDE	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
4,4' -DDT	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
a-BHC	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Alachlor	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	1
Aldrin	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
b-BHC	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Chlordane	ND	5.0	ug/L	10	10/02/25	AW	SW8081B	
d-BHC	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Dieldrin	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
Endosulfan I	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Endosulfan II	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
Endosulfan Sulfate	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
Endrin	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
Endrin Aldehyde	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
g-BHC (Lindane)	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Heptachlor	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Heptachlor epoxide	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Methoxychlor	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Toxaphene	ND	20	ug/L	10	10/02/25	AW	SW8081B	
QA/QC Surrogates								
%DCBP (Surrogate Rec)	88		%	10	10/02/25	AW	30 - 150 %	
%DCBP (Surrogate Rec) (Confirmation)	70		%	10	10/02/25	AW	30 - 150 %	
%TCMX (Surrogate Rec)	64		%	10	10/02/25	AW	30 - 150 %	
%TCMX (Surrogate Rec) (Confirmation)	67		%	10	10/02/25	AW	30 - 150 %	
TPH DRO (C10-C28)								
Diesel Range Organics (C10-C28)	ND	290	mg/Kg	5	10/06/25	JRB	SW8015D DRO	
QA/QC Surrogates								
% Terphenyl-d14	50		%	5	10/06/25	JRB	50 - 150 %	
% Tricosane(C23)	48		%	5	10/06/25	JRB	50 - 150 %	3
Volatiles (TCL)								
1,1,1-Trichloroethane	ND	6.5	ug/kg	1	10/01/25	JLI	SW8260D	
1,1,2,2-Tetrachloroethane	ND	6.5	ug/kg	1	10/01/25	JLI	SW8260D	
1,1,2-Trichloroethane	ND	6.5	ug/kg	1	10/01/25	JLI	SW8260D	
1,1-Dichloroethane	ND	6.5	ug/kg	1	10/01/25	JLI	SW8260D	
1,1-Dichloroethene	ND	6.5	ug/kg	1	10/01/25	JLI	SW8260D	
1,2,3-Trichlorobenzene	ND	6.5	ug/kg	1	10/01/25	JLI	SW8260D	
1,2,4-Trichlorobenzene	ND	6.5	ug/kg	1	10/01/25	JLI	SW8260D	

Project ID: EAST SIDE COASTAL RESILIENCY
Client ID: DEP103

Phoenix I.D.: CU37295

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,2,4-Trimethylbenzene	ND	6.5	ug/kg	1	10/01/25	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	6.5	ug/kg	1	10/01/25	JLI	SW8260D
1,2-Dibromoethane	ND	6.5	ug/kg	1	10/01/25	JLI	SW8260D
1,2-Dichlorobenzene	ND	6.5	ug/kg	1	10/01/25	JLI	SW8260D
1,2-Dichloroethane	ND	6.5	ug/kg	1	10/01/25	JLI	SW8260D
1,2-Dichloropropane	ND	6.5	ug/kg	1	10/01/25	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	6.5	ug/kg	1	10/01/25	JLI	SW8260D
1,3-Dichlorobenzene	ND	6.5	ug/kg	1	10/01/25	JLI	SW8260D
1,4-Dichlorobenzene	ND	6.5	ug/kg	1	10/01/25	JLI	SW8260D
2-Hexanone	ND	32	ug/kg	1	10/01/25	JLI	SW8260D
4-Methyl-2-pentanone	ND	32	ug/kg	1	10/01/25	JLI	SW8260D
Acetone	ND	50	ug/kg	1	10/01/25	JLI	SW8260D
Benzene	ND	6.5	ug/kg	1	10/01/25	JLI	SW8260D
Bromochloromethane	ND	6.5	ug/kg	1	10/01/25	JLI	SW8260D
Bromodichloromethane	ND	6.5	ug/kg	1	10/01/25	JLI	SW8260D
Bromoform	ND	6.5	ug/kg	1	10/01/25	JLI	SW8260D
Bromomethane	ND	6.5	ug/kg	1	10/01/25	JLI	SW8260D
Carbon Disulfide	ND	6.5	ug/kg	1	10/01/25	JLI	SW8260D
Carbon tetrachloride	ND	6.5	ug/kg	1	10/01/25	JLI	SW8260D
Chlorobenzene	ND	6.5	ug/kg	1	10/01/25	JLI	SW8260D
Chloroethane	ND	6.5	ug/kg	1	10/01/25	JLI	SW8260D
Chloroform	ND	6.5	ug/kg	1	10/01/25	JLI	SW8260D
Chloromethane	ND	6.5	ug/kg	1	10/01/25	JLI	SW8260D
cis-1,2-Dichloroethene	ND	6.5	ug/kg	1	10/01/25	JLI	SW8260D
cis-1,3-Dichloropropene	ND	6.5	ug/kg	1	10/01/25	JLI	SW8260D
Cyclohexane	ND	6.5	ug/kg	1	10/01/25	JLI	SW8260D
Dibromochloromethane	ND	6.5	ug/kg	1	10/01/25	JLI	SW8260D
Dichlorodifluoromethane	ND	6.5	ug/kg	1	10/01/25	JLI	SW8260D
Ethylbenzene	ND	6.5	ug/kg	1	10/01/25	JLI	SW8260D
Isopropylbenzene	ND	6.5	ug/kg	1	10/01/25	JLI	SW8260D
m&p-Xylene	ND	6.5	ug/kg	1	10/01/25	JLI	SW8260D
Methyl ethyl ketone	ND	39	ug/kg	1	10/01/25	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	13	ug/kg	1	10/01/25	JLI	SW8260D
Methylacetate	ND	65	ug/kg	1	10/01/25	JLI	SW8260D
Methylcyclohexane	ND	6.5	ug/kg	1	10/01/25	JLI	SW8260D
Methylene chloride	ND	32	ug/kg	1	10/01/25	JLI	SW8260D
o-Xylene	ND	6.5	ug/kg	1	10/01/25	JLI	SW8260D
Styrene	ND	6.5	ug/kg	1	10/01/25	JLI	SW8260D
Tetrachloroethene	ND	6.5	ug/kg	1	10/01/25	JLI	SW8260D
Toluene	ND	6.5	ug/kg	1	10/01/25	JLI	SW8260D
Total Xylenes	ND	6.5	ug/kg	1	10/01/25	JLI	SW8260D
trans-1,2-Dichloroethene	ND	6.5	ug/kg	1	10/01/25	JLI	SW8260D
trans-1,3-Dichloropropene	ND	6.5	ug/kg	1	10/01/25	JLI	SW8260D
Trichloroethene	ND	6.5	ug/kg	1	10/01/25	JLI	SW8260D
Trichlorofluoromethane	ND	6.5	ug/kg	1	10/01/25	JLI	SW8260D
Trichlorotrifluoroethane	ND	6.5	ug/kg	1	10/01/25	JLI	SW8260D
Vinyl chloride	ND	6.5	ug/kg	1	10/01/25	JLI	SW8260D
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99		%	1	10/01/25	JLI	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Bromofluorobenzene	91		%	1	10/01/25	JLI	70 - 130 %
% Dibromofluoromethane	103		%	1	10/01/25	JLI	70 - 130 %
% Toluene-d8	85		%	1	10/01/25	JLI	70 - 130 %
1,4-dioxane							
1,4-dioxane	ND	97	ug/kg	1	10/01/25	JLI	SW8260D
Volatiles							
1,2,3-Trichloropropane	ND	6.5	ug/Kg	1	10/01/25	JLI	SW8260D
1,2,4-Trimethylbenzene	ND	6.5	ug/Kg	1	10/01/25	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	6.5	ug/Kg	1	10/01/25	JLI	SW8260D
1,3-Dichloropropane	ND	6.5	ug/Kg	1	10/01/25	JLI	SW8260D
n-Butylbenzene	ND	6.5	ug/Kg	1	10/01/25	JLI	SW8260D
n-Propylbenzene	ND	6.5	ug/Kg	1	10/01/25	JLI	SW8260D
p-Isopropyltoluene	ND	6.5	ug/Kg	1	10/01/25	JLI	SW8260D
sec-Butylbenzene	ND	6.5	ug/Kg	1	10/01/25	JLI	SW8260D
tert-Butylbenzene	ND	6.5	ug/Kg	1	10/01/25	JLI	SW8260D
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99		%	1	10/01/25	JLI	70 - 130 %
% Bromofluorobenzene	91		%	1	10/01/25	JLI	70 - 130 %
% Dibromofluoromethane	103		%	1	10/01/25	JLI	70 - 130 %
% Toluene-d8	85		%	1	10/01/25	JLI	70 - 130 %
TCLP Volatiles							
1,1-Dichloroethene	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
1,2-Dichloroethane	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
1,4-Dichlorobenzene	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
Benzene	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
Carbon tetrachloride	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
Chlorobenzene	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
Chloroform	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
Methyl ethyl ketone	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
Tetrachloroethene	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
Trichloroethene	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
Vinyl chloride	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4 (10x)	104		%	10	09/30/25	V	70 - 130 %
% Bromofluorobenzene (10x)	96		%	10	09/30/25	V	70 - 130 %
% Dibromofluoromethane (10x)	101		%	10	09/30/25	V	70 - 130 %
% Toluene-d8 (10x)	95		%	10	09/30/25	V	70 - 130 %
Volatile Library Search	Completed				10/01/25	JLI	
Semivolatiles							
1,1-Biphenyl	ND	670	ug/Kg	1	10/03/25	MR	SW8270E
1,2,4,5-Tetrachlorobenzene	ND	670	ug/Kg	1	10/03/25	MR	SW8270E
2,2'-Oxybis(1-Chloropropane)	ND	670	ug/Kg	1	10/03/25	MR	SW8270E
2,3,4,6-tetrachlorophenol	ND	670	ug/Kg	1	10/03/25	MR	SW8270E
2,4,5-Trichlorophenol	ND	670	ug/Kg	1	10/03/25	MR	SW8270E
2,4,6-Trichlorophenol	ND	670	ug/Kg	1	10/03/25	MR	SW8270E

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Client ID: DEP103

Phoenix I.D.: CU37295

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
2,4-Dichlorophenol	ND	670	ug/Kg	1	10/03/25	MR	SW8270E	
2,4-Dimethylphenol	ND	670	ug/Kg	1	10/03/25	MR	SW8270E	
2,4-Dinitrophenol	ND	1500	ug/Kg	1	10/03/25	MR	SW8270E	
2,4-Dinitrotoluene	ND	670	ug/Kg	1	10/03/25	MR	SW8270E	
2,6-Dinitrotoluene	ND	670	ug/Kg	1	10/03/25	MR	SW8270E	
2-Chloronaphthalene	ND	670	ug/Kg	1	10/03/25	MR	SW8270E	
2-Chlorophenol	ND	670	ug/Kg	1	10/03/25	MR	SW8270E	
2-Methylnaphthalene	2100	670	ug/Kg	1	10/03/25	MR	SW8270E	
2-Methylphenol (o-cresol)	ND	330	ug/Kg	1	10/03/25	MR	SW8270E	
2-Nitroaniline	ND	1500	ug/Kg	1	10/03/25	MR	SW8270E	
2-Nitrophenol	ND	670	ug/Kg	1	10/03/25	MR	SW8270E	
3&4-Methylphenol (m&p-cresol)	ND	330	ug/Kg	1	10/03/25	MR	SW8270E	1
3,3'-Dichlorobenzidine	ND	1200	ug/Kg	1	10/03/25	MR	SW8270E	
3-Nitroaniline	ND	1500	ug/Kg	1	10/03/25	MR	SW8270E	
4,6-Dinitro-2-methylphenol	ND	2800	ug/Kg	1	10/03/25	MR	SW8270E	
4-Bromophenyl phenyl ether	ND	960	ug/Kg	1	10/03/25	MR	SW8270E	
4-Chloro-3-methylphenol	ND	670	ug/Kg	1	10/03/25	MR	SW8270E	
4-Chloroaniline	ND	670	ug/Kg	1	10/03/25	MR	SW8270E	
4-Chlorophenyl phenyl ether	ND	670	ug/Kg	1	10/03/25	MR	SW8270E	
4-Nitroaniline	ND	1500	ug/Kg	1	10/03/25	MR	SW8270E	
4-Nitrophenol	ND	2800	ug/Kg	1	10/03/25	MR	SW8270E	
Acenaphthene	2300	670	ug/Kg	1	10/03/25	MR	SW8270E	
Acenaphthylene	ND	670	ug/Kg	1	10/03/25	MR	SW8270E	
Acetophenone	ND	670	ug/Kg	1	10/03/25	MR	SW8270E	
Anthracene	4000	670	ug/Kg	1	10/03/25	MR	SW8270E	
Atrazine	ND	670	ug/Kg	1	10/03/25	MR	SW8270E	
Benz(a)anthracene	4500	670	ug/Kg	1	10/03/25	MR	SW8270E	
Benzaldehyde	ND	670	ug/Kg	1	10/03/25	MR	SW8270E	
Benzo(a)pyrene	4100	670	ug/Kg	1	10/03/25	MR	SW8270E	
Benzo(b)fluoranthene	4400	670	ug/Kg	1	10/03/25	MR	SW8270E	
Benzo(ghi)perylene	1800	670	ug/Kg	1	10/03/25	MR	SW8270E	
Benzo(k)fluoranthene	1500	670	ug/Kg	1	10/03/25	MR	SW8270E	
Benzyl butyl phthalate	ND	670	ug/Kg	1	10/03/25	MR	SW8270E	
Bis(2-chloroethoxy)methane	ND	670	ug/Kg	1	10/03/25	MR	SW8270E	
Bis(2-chloroethyl)ether	ND	960	ug/Kg	1	10/03/25	MR	SW8270E	
Bis(2-ethylhexyl)phthalate	ND	670	ug/Kg	1	10/03/25	MR	SW8270E	
Caprolactam	ND	670	ug/Kg	1	10/03/25	MR	SW8270E	
Carbazole	ND	960	ug/Kg	1	10/03/25	MR	SW8270E	
Chrysene	3800	670	ug/Kg	1	10/03/25	MR	SW8270E	
Dibenz(a,h)anthracene	450	330	ug/Kg	1	10/03/25	MR	SW8270E	
Dibenzofuran	700	670	ug/Kg	1	10/03/25	MR	SW8270E	
Diethyl phthalate	ND	670	ug/Kg	1	10/03/25	MR	SW8270E	
Dimethylphthalate	ND	670	ug/Kg	1	10/03/25	MR	SW8270E	
Di-n-butylphthalate	ND	1900	ug/Kg	1	10/03/25	MR	SW8270E	
Di-n-octylphthalate	ND	670	ug/Kg	1	10/03/25	MR	SW8270E	
Fluoranthene	8500	670	ug/Kg	1	10/03/25	MR	SW8270E	
Fluorene	2100	670	ug/Kg	1	10/03/25	MR	SW8270E	
Hexachlorobenzene	ND	330	ug/Kg	1	10/03/25	MR	SW8270E	
Hexachlorobutadiene	ND	670	ug/Kg	1	10/03/25	MR	SW8270E	

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Hexachlorocyclopentadiene	ND	670	ug/Kg	1	10/03/25	MR	SW8270E
Hexachloroethane	ND	670	ug/Kg	1	10/03/25	MR	SW8270E
Indeno(1,2,3-cd)pyrene	1900	670	ug/Kg	1	10/03/25	MR	SW8270E
Isophorone	ND	670	ug/Kg	1	10/03/25	MR	SW8270E
Naphthalene	5100	670	ug/Kg	1	10/03/25	MR	SW8270E
Nitrobenzene	ND	670	ug/Kg	1	10/03/25	MR	SW8270E
N-Nitrosodimethylamine	ND	960	ug/Kg	1	10/03/25	MR	SW8270E
N-Nitrosodi-n-propylamine	ND	480	ug/Kg	1	10/03/25	MR	SW8270E
N-Nitrosodiphenylamine	ND	960	ug/Kg	1	10/03/25	MR	SW8270E
Pentachlorophenol	ND	800	ug/Kg	1	10/03/25	MR	SW8270E
Phenanthrene	9400	670	ug/Kg	1	10/03/25	MR	SW8270E
Phenol	ND	330	ug/Kg	1	10/03/25	MR	SW8270E
Pyrene	8500	670	ug/Kg	1	10/03/25	MR	SW8270E
QA/QC Surrogates							
% 2,4,6-Tribromophenol	72		%	1	10/03/25	MR	30 - 130 %
% 2-Fluorobiphenyl	58		%	1	10/03/25	MR	30 - 130 %
% 2-Fluorophenol	58		%	1	10/03/25	MR	30 - 130 %
% Nitrobenzene-d5	55		%	1	10/03/25	MR	30 - 130 %
% Phenol-d5	61		%	1	10/03/25	MR	30 - 130 %
% Terphenyl-d14	63		%	1	10/03/25	MR	30 - 130 %

TCLP Acid/Base-Neutral

1,4-Dichlorobenzene	ND	83	ug/L	1	10/01/25	MR	SW-846 1311/8270
2,4,5-Trichlorophenol	ND	83	ug/L	1	10/01/25	MR	SW-846 1311/8270
2,4,6-Trichlorophenol	ND	83	ug/L	1	10/01/25	MR	SW-846 1311/8270
2,4-Dinitrotoluene	ND	83	ug/L	1	10/01/25	MR	SW-846 1311/8270
2-Methylphenol (o-cresol)	ND	83	ug/L	1	10/01/25	MR	SW-846 1311/8270
3&4-Methylphenol (m&p-Cresol)	ND	83	ug/L	1	10/01/25	MR	SW-846 1311/8270
Hexachlorobenzene	ND	83	ug/L	1	10/01/25	MR	SW-846 1311/8270
Hexachlorobutadiene	ND	83	ug/L	1	10/01/25	MR	SW-846 1311/8270
Hexachloroethane	ND	83	ug/L	1	10/01/25	MR	SW-846 1311/8270
Nitrobenzene	ND	83	ug/L	1	10/01/25	MR	SW-846 1311/8270
Pentachlorophenol	ND	83	ug/L	1	10/01/25	MR	SW-846 1311/8270
Pyridine	ND	83	ug/L	1	10/01/25	MR	SW-846 1311/8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	94		%	1	10/01/25	MR	15 - 110 %
% 2-Fluorobiphenyl	59		%	1	10/01/25	MR	30 - 130 %
% 2-Fluorophenol	61		%	1	10/01/25	MR	15 - 110 %
% Nitrobenzene-d5	81		%	1	10/01/25	MR	30 - 130 %
% Phenol-d5	58		%	1	10/01/25	MR	15 - 110 %
% Terphenyl-d14	78		%	1	10/01/25	MR	30 - 130 %
Semivolatile Library Search	Completed				10/03/25	MR	

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 (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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.

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.

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.

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
October 08, 2025
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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

October 08, 2025

FOR: Attn: Mr. Brian Pendergast
American Environmental Solutions, Inc
42 West Avenue
Patchogue, NY 11772

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/26/25	8:40
Location Code:	AES-EASTSIDE	Received by:	CP	09/29/25	19:45
Rush Request:	5 Day	Analyzed by:	see "By" below		
P.O.#:	0987				

Laboratory Data

SDG ID: GCU37292
Phoenix ID: CU37296

Project ID: EAST SIDE COASTAL RESILIENCY
Client ID: DEP104

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.42	0.42	mg/Kg	1	10/02/25	CPP	SW6010D
Aluminum	9540	63	mg/Kg	10	10/01/25	CPP	SW6010D
Arsenic	9.33	0.83	mg/Kg	1	10/02/25	CPP	SW6010D
Barium	262	0.42	mg/Kg	1	10/02/25	CPP	SW6010D
Beryllium	0.46	0.33	mg/Kg	1	10/02/25	CPP	SW6010D
Calcium	36700	63	mg/Kg	10	10/01/25	CPP	SW6010D
Cadmium	0.64	0.42	mg/Kg	1	10/02/25	CPP	SW6010D
Cobalt	5.83	0.42	mg/Kg	1	10/02/25	CPP	SW6010D
Chromium	16.5	0.42	mg/Kg	1	10/02/25	CPP	SW6010D
Copper	43.9	0.8	mg/kg	1	10/02/25	CPP	SW6010D
Iron	15300	6.3	mg/Kg	1	10/02/25	CPP	SW6010D
Mercury	0.348	0.093	mg/Kg	1	09/30/25	ZT	SW7473
Potassium	1200	63	mg/Kg	10	10/01/25	CPP	SW6010D
Magnesium	5410	6.3	mg/Kg	1	10/02/25	CPP	SW6010D
Manganese	295	0.42	mg/Kg	1	10/02/25	TH	SW6010D
Sodium	1060	6.3	mg/Kg	1	10/02/25	CPP	SW6010D
Nickel	16.0	0.42	mg/Kg	1	10/02/25	CPP	SW6010D
Lead	512	0.42	mg/Kg	1	10/02/25	CPP	SW6010D
Antimony	< 4.2	4.2	mg/Kg	1	10/02/25	CPP	SW6010D
Selenium	< 1.7	1.7	mg/Kg	1	10/02/25	TH	SW6010D
TCLP Silver	< 0.10	0.10	mg/L	1	09/30/25	TH	SW846 1311/6010
TCLP Arsenic	< 0.10	0.10	mg/L	1	09/30/25	TH	SW846 1311/6010
TCLP Barium	0.54	0.10	mg/L	1	09/30/25	TH	SW846 1311/6010
TCLP Cadmium	< 0.050	0.050	mg/L	1	09/30/25	TH	SW846 1311/6010
TCLP Chromium	< 0.10	0.10	mg/L	1	09/30/25	TH	SW846 1311/6010
TCLP Mercury	< 0.0002	0.0002	mg/L	1	09/30/25	AJ1	SW846 1311/7470
TCLP Lead	< 0.10	0.10	mg/L	1	09/30/25	TH	SW846 1311/6010
TCLP Selenium	< 0.10	0.10	mg/L	1	09/30/25	TH	SW846 1311/6010D

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Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Thallium	< 3.8	3.8	mg/Kg	1	10/02/25	CPP	SW6010D	
TCLP Metals Digestion	Completed				09/30/25	AK/GW	SW3010A	
Vanadium	29.7	0.42	mg/Kg	1	10/02/25	CPP	SW6010D	
Zinc	266	0.8	mg/Kg	1	10/02/25	CPP	SW6010D	
Percent Solid	81		%		09/29/25	CV	SW846-%Solid	
Corrosivity	Negative		Pos/Neg	1	09/29/25	KG	SW846-Corr	1
Flash Point	>200	200	Degree F	1	09/30/25	G	SW1010B	
Chromium, Hex. (SW3060A digestion	< 0.42	0.42	mg/Kg	1	09/30/25	NP	SW7196A	
Ignitability	Passed	140	degree F	1	09/30/25	G	SW846-Ignit	1
pH at 20C - Soil	8.02	1.00	pH Units	1	09/29/25 23:32	KG	SW846 9045D	
Reactivity Cyanide	< 6	6	mg/Kg	1	10/01/25	IH/GD	SW846 7.3.3.1/90	1
Reactivity Sulfide	< 20	20	mg/Kg	1	10/01/25	IH/GD	SW846 CH7	1
Reactivity	Negative		Pos/Neg	1	10/01/25	IH/GD	SW846-React	1
Redox Potential	117		mV	1	09/29/25	KG	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	< 0.62	0.62	mg/Kg	1	10/01/25	J/K/K/G	SW9012B	
Extraction of NY ETPH	Completed				10/03/25	S/Z	SW3546	
Soil Extraction for Herbicide	Completed				10/02/25	X/D	SW3546	
NJ EPH Extraction	Completed				10/01/25	S/A	NJDEP 10-08 R3	
Soil Extraction for PCB	Completed				10/03/25	H/U	SW3546	
Soil Extraction for Pesticides	Completed				10/03/25	H/U	SW3546	
Soil Extraction for SVOA	Completed				10/02/25	SD/S/Z	SW3546	
TCLP Digestion Mercury	Completed				09/30/25	AK/GW	SW7470A	
TCLP Herbicides Extraction	Completed				10/02/25	CV/AC1/D	SW8150 MOD	
TCLP Extraction for Metals	Completed				09/29/25	AK	SW1311	
TCLP Extraction for Organics	Completed				09/29/25	AK	SW1311	
TCLP Pesticides Extraction	Completed				10/01/25	J/J	SW3510C	
TCLP Semi-Volatile Extraction	Completed				10/01/25	T/T	SW3510C	
TCLP Extraction Volatiles	Completed				09/29/25	CV	SW1311	
Total Metals Digest	Completed				09/30/25	P/AG/BF	SW3050B	
NJ EPH Category 1 (Fuel #2/Diesel)								
>C28-C40	ND	49	mg/kg	5	10/06/25	JRB	NJEPH 10-08 R3	1
C9-C28	ND	98	mg/kg	5	10/06/25	JRB	NJEPH 10-08 R3	1
Total EPH	ND	49	mg/kg	5	10/06/25	JRB	NJEPH 10-08 R3	1
QA/QC Surrogates								
% COD (surr)	68		%	5	10/06/25	JRB	40 - 140 %	
% Terphenyl (surr)	97		%	5	10/06/25	JRB	40 - 140 %	
Gasoline Range Hydrocarbons (C6-C10)								
GRO (C6-C10)	ND	7.7	mg/Kg	50	10/01/25	V	SW8015D GRO	
QA/QC Surrogates								
% 2,5-Dibromotoluene (FID)	111		%	50	10/01/25	V	70 - 130 %	
Chlorinated Herbicides								
2,4,5-T	ND	300	ug/Kg	10	10/03/25	JRB	SW8151A	
2,4,5-TP (Silvex)	ND	300	ug/Kg	10	10/03/25	JRB	SW8151A	
2,4-D	ND	590	ug/Kg	10	10/03/25	JRB	SW8151A	
2,4-DB	ND	3000	ug/Kg	10	10/03/25	JRB	SW8151A	
Dalapon	ND	300	ug/Kg	10	10/03/25	JRB	SW8151A	

Ver 1

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Dicamba	ND	300	ug/Kg	10	10/03/25	JRB	SW8151A
Dichloroprop	ND	590	ug/Kg	10	10/03/25	JRB	SW8151A
Dinoseb	ND	590	ug/Kg	10	10/03/25	JRB	SW8151A
QA/QC Surrogates							
% DCAA	100		%	10	10/03/25	JRB	30 - 150 %
% DCAA (Confirmation)	76		%	10	10/03/25	JRB	30 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	82	ug/Kg	2	10/04/25	SC	SW8082A
PCB-1221	ND	82	ug/Kg	2	10/04/25	SC	SW8082A
PCB-1232	ND	82	ug/Kg	2	10/04/25	SC	SW8082A
PCB-1242	ND	82	ug/Kg	2	10/04/25	SC	SW8082A
PCB-1248	ND	82	ug/Kg	2	10/04/25	SC	SW8082A
PCB-1254	ND	82	ug/Kg	2	10/04/25	SC	SW8082A
PCB-1260	ND	82	ug/Kg	2	10/04/25	SC	SW8082A
PCB-1262	ND	82	ug/Kg	2	10/04/25	SC	SW8082A
PCB-1268	ND	82	ug/Kg	2	10/04/25	SC	SW8082A
QA/QC Surrogates							
% DCBP	83		%	2	10/04/25	SC	30 - 150 %
% DCBP (Confirmation)	77		%	2	10/04/25	SC	30 - 150 %
% TCMX	81		%	2	10/04/25	SC	30 - 150 %
% TCMX (Confirmation)	74		%	2	10/04/25	SC	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.5	ug/Kg	2	10/06/25	AW	SW8081B
4,4' -DDE	ND	2.5	ug/Kg	2	10/06/25	AW	SW8081B
4,4' -DDT	ND	2.5	ug/Kg	2	10/06/25	AW	SW8081B
a-BHC	ND	8.2	ug/Kg	2	10/06/25	AW	SW8081B
a-Chlordane	ND	4.1	ug/Kg	2	10/06/25	AW	SW8081B
Aldrin	ND	4.1	ug/Kg	2	10/06/25	AW	SW8081B
b-BHC	ND	8.2	ug/Kg	2	10/06/25	AW	SW8081B
Chlordane	ND	41	ug/Kg	2	10/06/25	AW	SW8081B
d-BHC	ND	8.2	ug/Kg	2	10/06/25	AW	SW8081B
Dieldrin	ND	4.1	ug/Kg	2	10/06/25	AW	SW8081B
Endosulfan I	ND	8.2	ug/Kg	2	10/06/25	AW	SW8081B
Endosulfan II	ND	8.2	ug/Kg	2	10/06/25	AW	SW8081B
Endosulfan sulfate	ND	8.2	ug/Kg	2	10/06/25	AW	SW8081B
Endrin	ND	8.2	ug/Kg	2	10/06/25	AW	SW8081B
Endrin aldehyde	ND	8.2	ug/Kg	2	10/06/25	AW	SW8081B
Endrin ketone	ND	8.2	ug/Kg	2	10/06/25	AW	SW8081B
g-BHC	ND	1.6	ug/Kg	2	10/06/25	AW	SW8081B
g-Chlordane	ND	4.1	ug/Kg	2	10/06/25	AW	SW8081B
Heptachlor	ND	8.2	ug/Kg	2	10/06/25	AW	SW8081B
Heptachlor epoxide	ND	8.2	ug/Kg	2	10/06/25	AW	SW8081B
Methoxychlor	ND	41	ug/Kg	2	10/06/25	AW	SW8081B
Toxaphene	ND	160	ug/Kg	2	10/06/25	AW	SW8081B
QA/QC Surrogates							
% DCBP	76		%	2	10/06/25	AW	30 - 150 %
% DCBP (Confirmation)	78		%	2	10/06/25	AW	30 - 150 %
% TCMX	58		%	2	10/06/25	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
% TCMX (Confirmation)	67		%	2	10/06/25	AW	30 - 150 %	
TCLP Herbicides								
2,4,5-TP (Silvex)	ND	50	ug/L	10	10/04/25	JRB	SW846 1311/8151	
2,4-D	ND	100	ug/L	10	10/04/25	JRB	SW846 1311/8151	
QA/QC Surrogates								
% DCAA	66		%	10	10/04/25	JRB	30 - 150 %	
% DCAA (Confirmation)	67		%	10	10/04/25	JRB	30 - 150 %	
TCLP Pesticides								
4,4' -DDD	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
4,4' -DDE	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
4,4' -DDT	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
a-BHC	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Alachlor	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	1
Aldrin	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
b-BHC	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Chlordane	ND	5.0	ug/L	10	10/02/25	AW	SW8081B	
d-BHC	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Dieldrin	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
Endosulfan I	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Endosulfan II	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
Endosulfan Sulfate	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
Endrin	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
Endrin Aldehyde	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
g-BHC (Lindane)	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Heptachlor	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Heptachlor epoxide	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Methoxychlor	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Toxaphene	ND	20	ug/L	10	10/02/25	AW	SW8081B	
QA/QC Surrogates								
%DCBP (Surrogate Rec)	91		%	10	10/02/25	AW	30 - 150 %	
%DCBP (Surrogate Rec) (Confirmation)	71		%	10	10/02/25	AW	30 - 150 %	
%TCMX (Surrogate Rec)	68		%	10	10/02/25	AW	30 - 150 %	
%TCMX (Surrogate Rec) (Confirmation)	69		%	10	10/02/25	AW	30 - 150 %	
TPH DRO (C10-C28)								
Diesel Range Organics (C10-C28)	ND	300	mg/Kg	5	10/05/25	JRB	SW8015D DRO	
QA/QC Surrogates								
% Terphenyl-d14	78		%	5	10/05/25	JRB	50 - 150 %	
% Tricosane(C23)	67		%	5	10/05/25	JRB	50 - 150 %	
Volatiles (TCL)								
1,1,1-Trichloroethane	ND	7.2	ug/kg	1	10/01/25	JLI	SW8260D	
1,1,2,2-Tetrachloroethane	ND	7.2	ug/kg	1	10/01/25	JLI	SW8260D	
1,1,2-Trichloroethane	ND	7.2	ug/kg	1	10/01/25	JLI	SW8260D	
1,1-Dichloroethane	ND	7.2	ug/kg	1	10/01/25	JLI	SW8260D	
1,1-Dichloroethene	ND	7.2	ug/kg	1	10/01/25	JLI	SW8260D	
1,2,3-Trichlorobenzene	ND	7.2	ug/kg	1	10/01/25	JLI	SW8260D	
1,2,4-Trichlorobenzene	ND	7.2	ug/kg	1	10/01/25	JLI	SW8260D	

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Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,2,4-Trimethylbenzene	ND	7.2	ug/kg	1	10/01/25	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	7.2	ug/kg	1	10/01/25	JLI	SW8260D
1,2-Dibromoethane	ND	7.2	ug/kg	1	10/01/25	JLI	SW8260D
1,2-Dichlorobenzene	ND	7.2	ug/kg	1	10/01/25	JLI	SW8260D
1,2-Dichloroethane	ND	7.2	ug/kg	1	10/01/25	JLI	SW8260D
1,2-Dichloropropane	ND	7.2	ug/kg	1	10/01/25	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	7.2	ug/kg	1	10/01/25	JLI	SW8260D
1,3-Dichlorobenzene	ND	7.2	ug/kg	1	10/01/25	JLI	SW8260D
1,4-Dichlorobenzene	ND	7.2	ug/kg	1	10/01/25	JLI	SW8260D
2-Hexanone	ND	36	ug/kg	1	10/01/25	JLI	SW8260D
4-Methyl-2-pentanone	ND	36	ug/kg	1	10/01/25	JLI	SW8260D
Acetone	ND	50	ug/kg	1	10/01/25	JLI	SW8260D
Benzene	ND	7.2	ug/kg	1	10/01/25	JLI	SW8260D
Bromochloromethane	ND	7.2	ug/kg	1	10/01/25	JLI	SW8260D
Bromodichloromethane	ND	7.2	ug/kg	1	10/01/25	JLI	SW8260D
Bromoform	ND	7.2	ug/kg	1	10/01/25	JLI	SW8260D
Bromomethane	ND	7.2	ug/kg	1	10/01/25	JLI	SW8260D
Carbon Disulfide	ND	7.2	ug/kg	1	10/01/25	JLI	SW8260D
Carbon tetrachloride	ND	7.2	ug/kg	1	10/01/25	JLI	SW8260D
Chlorobenzene	ND	7.2	ug/kg	1	10/01/25	JLI	SW8260D
Chloroethane	ND	7.2	ug/kg	1	10/01/25	JLI	SW8260D
Chloroform	ND	7.2	ug/kg	1	10/01/25	JLI	SW8260D
Chloromethane	ND	7.2	ug/kg	1	10/01/25	JLI	SW8260D
cis-1,2-Dichloroethene	ND	7.2	ug/kg	1	10/01/25	JLI	SW8260D
cis-1,3-Dichloropropene	ND	7.2	ug/kg	1	10/01/25	JLI	SW8260D
Cyclohexane	ND	7.2	ug/kg	1	10/01/25	JLI	SW8260D
Dibromochloromethane	ND	7.2	ug/kg	1	10/01/25	JLI	SW8260D
Dichlorodifluoromethane	ND	7.2	ug/kg	1	10/01/25	JLI	SW8260D
Ethylbenzene	ND	7.2	ug/kg	1	10/01/25	JLI	SW8260D
Isopropylbenzene	ND	7.2	ug/kg	1	10/01/25	JLI	SW8260D
m&p-Xylene	ND	7.2	ug/kg	1	10/01/25	JLI	SW8260D
Methyl ethyl ketone	ND	43	ug/kg	1	10/01/25	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	14	ug/kg	1	10/01/25	JLI	SW8260D
Methylacetate	ND	72	ug/kg	1	10/01/25	JLI	SW8260D
Methylcyclohexane	ND	7.2	ug/kg	1	10/01/25	JLI	SW8260D
Methylene chloride	ND	36	ug/kg	1	10/01/25	JLI	SW8260D
o-Xylene	ND	7.2	ug/kg	1	10/01/25	JLI	SW8260D
Styrene	ND	7.2	ug/kg	1	10/01/25	JLI	SW8260D
Tetrachloroethene	ND	7.2	ug/kg	1	10/01/25	JLI	SW8260D
Toluene	ND	7.2	ug/kg	1	10/01/25	JLI	SW8260D
Total Xylenes	ND	7.2	ug/kg	1	10/01/25	JLI	SW8260D
trans-1,2-Dichloroethene	ND	7.2	ug/kg	1	10/01/25	JLI	SW8260D
trans-1,3-Dichloropropene	ND	7.2	ug/kg	1	10/01/25	JLI	SW8260D
Trichloroethene	ND	7.2	ug/kg	1	10/01/25	JLI	SW8260D
Trichlorofluoromethane	ND	7.2	ug/kg	1	10/01/25	JLI	SW8260D
Trichlorotrifluoroethane	ND	7.2	ug/kg	1	10/01/25	JLI	SW8260D
Vinyl chloride	ND	7.2	ug/kg	1	10/01/25	JLI	SW8260D
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	94		%	1	10/01/25	JLI	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Bromofluorobenzene	97		%	1	10/01/25	JLI	70 - 130 %
% Dibromofluoromethane	102		%	1	10/01/25	JLI	70 - 130 %
% Toluene-d8	88		%	1	10/01/25	JLI	70 - 130 %
1,4-dioxane							
1,4-dioxane	ND	100	ug/kg	1	10/01/25	JLI	SW8260D
Volatiles							
1,2,3-Trichloropropane	ND	7.2	ug/Kg	1	10/01/25	JLI	SW8260D
1,2,4-Trimethylbenzene	ND	7.2	ug/Kg	1	10/01/25	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	7.2	ug/Kg	1	10/01/25	JLI	SW8260D
1,3-Dichloropropane	ND	7.2	ug/Kg	1	10/01/25	JLI	SW8260D
n-Butylbenzene	ND	7.2	ug/Kg	1	10/01/25	JLI	SW8260D
n-Propylbenzene	ND	7.2	ug/Kg	1	10/01/25	JLI	SW8260D
p-Isopropyltoluene	ND	7.2	ug/Kg	1	10/01/25	JLI	SW8260D
sec-Butylbenzene	ND	7.2	ug/Kg	1	10/01/25	JLI	SW8260D
tert-Butylbenzene	ND	7.2	ug/Kg	1	10/01/25	JLI	SW8260D
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	94		%	1	10/01/25	JLI	70 - 130 %
% Bromofluorobenzene	97		%	1	10/01/25	JLI	70 - 130 %
% Dibromofluoromethane	102		%	1	10/01/25	JLI	70 - 130 %
% Toluene-d8	88		%	1	10/01/25	JLI	70 - 130 %
TCLP Volatiles							
1,1-Dichloroethene	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
1,2-Dichloroethane	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
1,4-Dichlorobenzene	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
Benzene	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
Carbon tetrachloride	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
Chlorobenzene	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
Chloroform	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
Methyl ethyl ketone	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
Tetrachloroethene	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
Trichloroethene	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
Vinyl chloride	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4 (10x)	104		%	10	09/30/25	V	70 - 130 %
% Bromofluorobenzene (10x)	98		%	10	09/30/25	V	70 - 130 %
% Dibromofluoromethane (10x)	103		%	10	09/30/25	V	70 - 130 %
% Toluene-d8 (10x)	96		%	10	09/30/25	V	70 - 130 %
Volatile Library Search	Completed				10/01/25	JLI	
Semivolatiles							
1,1-Biphenyl	ND	280	ug/Kg	1	10/04/25	MR	SW8270E
1,2,4,5-Tetrachlorobenzene	ND	280	ug/Kg	1	10/04/25	MR	SW8270E
2,2'-Oxybis(1-Chloropropane)	ND	280	ug/Kg	1	10/04/25	MR	SW8270E
2,3,4,6-tetrachlorophenol	ND	280	ug/Kg	1	10/04/25	MR	SW8270E
2,4,5-Trichlorophenol	ND	280	ug/Kg	1	10/04/25	MR	SW8270E
2,4,6-Trichlorophenol	ND	280	ug/Kg	1	10/04/25	MR	SW8270E

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Phoenix I.D.: CU37296

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
2,4-Dichlorophenol	ND	280	ug/Kg	1	10/04/25	MR	SW8270E	
2,4-Dimethylphenol	ND	280	ug/Kg	1	10/04/25	MR	SW8270E	
2,4-Dinitrophenol	ND	650	ug/Kg	1	10/04/25	MR	SW8270E	
2,4-Dinitrotoluene	ND	280	ug/Kg	1	10/04/25	MR	SW8270E	
2,6-Dinitrotoluene	ND	280	ug/Kg	1	10/04/25	MR	SW8270E	
2-Chloronaphthalene	ND	280	ug/Kg	1	10/04/25	MR	SW8270E	
2-Chlorophenol	ND	280	ug/Kg	1	10/04/25	MR	SW8270E	
2-Methylnaphthalene	ND	280	ug/Kg	1	10/04/25	MR	SW8270E	
2-Methylphenol (o-cresol)	ND	280	ug/Kg	1	10/04/25	MR	SW8270E	
2-Nitroaniline	ND	650	ug/Kg	1	10/04/25	MR	SW8270E	
2-Nitrophenol	ND	280	ug/Kg	1	10/04/25	MR	SW8270E	
3&4-Methylphenol (m&p-cresol)	ND	330	ug/Kg	1	10/04/25	MR	SW8270E	1
3,3'-Dichlorobenzidine	ND	490	ug/Kg	1	10/04/25	MR	SW8270E	
3-Nitroaniline	ND	650	ug/Kg	1	10/04/25	MR	SW8270E	
4,6-Dinitro-2-methylphenol	ND	1200	ug/Kg	1	10/04/25	MR	SW8270E	
4-Bromophenyl phenyl ether	ND	410	ug/Kg	1	10/04/25	MR	SW8270E	
4-Chloro-3-methylphenol	ND	280	ug/Kg	1	10/04/25	MR	SW8270E	
4-Chloroaniline	ND	280	ug/Kg	1	10/04/25	MR	SW8270E	
4-Chlorophenyl phenyl ether	ND	280	ug/Kg	1	10/04/25	MR	SW8270E	
4-Nitroaniline	ND	650	ug/Kg	1	10/04/25	MR	SW8270E	
4-Nitrophenol	ND	1200	ug/Kg	1	10/04/25	MR	SW8270E	
Acenaphthene	360	280	ug/Kg	1	10/04/25	MR	SW8270E	
Acenaphthylene	ND	280	ug/Kg	1	10/04/25	MR	SW8270E	
Acetophenone	ND	280	ug/Kg	1	10/04/25	MR	SW8270E	
Anthracene	1000	280	ug/Kg	1	10/04/25	MR	SW8270E	
Atrazine	ND	280	ug/Kg	1	10/04/25	MR	SW8270E	
Benz(a)anthracene	2400	280	ug/Kg	1	10/04/25	MR	SW8270E	
Benzaldehyde	ND	280	ug/Kg	1	10/04/25	MR	SW8270E	
Benzo(a)pyrene	2500	280	ug/Kg	1	10/04/25	MR	SW8270E	
Benzo(b)fluoranthene	2800	280	ug/Kg	1	10/04/25	MR	SW8270E	
Benzo(ghi)perylene	1400	280	ug/Kg	1	10/04/25	MR	SW8270E	
Benzo(k)fluoranthene	1000	280	ug/Kg	1	10/04/25	MR	SW8270E	
Benzyl butyl phthalate	ND	280	ug/Kg	1	10/04/25	MR	SW8270E	
Bis(2-chloroethoxy)methane	ND	280	ug/Kg	1	10/04/25	MR	SW8270E	
Bis(2-chloroethyl)ether	ND	410	ug/Kg	1	10/04/25	MR	SW8270E	
Bis(2-ethylhexyl)phthalate	ND	280	ug/Kg	1	10/04/25	MR	SW8270E	
Caprolactam	ND	280	ug/Kg	1	10/04/25	MR	SW8270E	
Carbazole	440	410	ug/Kg	1	10/04/25	MR	SW8270E	
Chrysene	2200	280	ug/Kg	1	10/04/25	MR	SW8270E	
Dibenz(a,h)anthracene	370	200	ug/Kg	1	10/04/25	MR	SW8270E	
Dibenzofuran	ND	280	ug/Kg	1	10/04/25	MR	SW8270E	
Diethyl phthalate	ND	280	ug/Kg	1	10/04/25	MR	SW8270E	
Dimethylphthalate	ND	280	ug/Kg	1	10/04/25	MR	SW8270E	
Di-n-butylphthalate	ND	810	ug/Kg	1	10/04/25	MR	SW8270E	
Di-n-octylphthalate	ND	280	ug/Kg	1	10/04/25	MR	SW8270E	
Fluoranthene	5100	280	ug/Kg	1	10/04/25	MR	SW8270E	
Fluorene	370	280	ug/Kg	1	10/04/25	MR	SW8270E	
Hexachlorobenzene	ND	280	ug/Kg	1	10/04/25	MR	SW8270E	
Hexachlorobutadiene	ND	280	ug/Kg	1	10/04/25	MR	SW8270E	

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Hexachlorocyclopentadiene	ND	280	ug/Kg	1	10/04/25	MR	SW8270E
Hexachloroethane	ND	280	ug/Kg	1	10/04/25	MR	SW8270E
Indeno(1,2,3-cd)pyrene	1500	280	ug/Kg	1	10/04/25	MR	SW8270E
Isophorone	ND	280	ug/Kg	1	10/04/25	MR	SW8270E
Naphthalene	310	280	ug/Kg	1	10/04/25	MR	SW8270E
Nitrobenzene	ND	280	ug/Kg	1	10/04/25	MR	SW8270E
N-Nitrosodimethylamine	ND	410	ug/Kg	1	10/04/25	MR	SW8270E
N-Nitrosodi-n-propylamine	ND	200	ug/Kg	1	10/04/25	MR	SW8270E
N-Nitrosodiphenylamine	ND	410	ug/Kg	1	10/04/25	MR	SW8270E
Pentachlorophenol	ND	410	ug/Kg	1	10/04/25	MR	SW8270E
Phenanthrene	3900	280	ug/Kg	1	10/04/25	MR	SW8270E
Phenol	ND	280	ug/Kg	1	10/04/25	MR	SW8270E
Pyrene	4800	280	ug/Kg	1	10/04/25	MR	SW8270E
QA/QC Surrogates							
% 2,4,6-Tribromophenol	70		%	1	10/04/25	MR	30 - 130 %
% 2-Fluorobiphenyl	66		%	1	10/04/25	MR	30 - 130 %
% 2-Fluorophenol	62		%	1	10/04/25	MR	30 - 130 %
% Nitrobenzene-d5	61		%	1	10/04/25	MR	30 - 130 %
% Phenol-d5	60		%	1	10/04/25	MR	30 - 130 %
% Terphenyl-d14	78		%	1	10/04/25	MR	30 - 130 %

TCLP Acid/Base-Neutral

1,4-Dichlorobenzene	ND	83	ug/L	1	10/02/25	MR	SW-846 1311/8270
2,4,5-Trichlorophenol	ND	83	ug/L	1	10/02/25	MR	SW-846 1311/8270
2,4,6-Trichlorophenol	ND	83	ug/L	1	10/02/25	MR	SW-846 1311/8270
2,4-Dinitrotoluene	ND	83	ug/L	1	10/02/25	MR	SW-846 1311/8270
2-Methylphenol (o-cresol)	ND	83	ug/L	1	10/02/25	MR	SW-846 1311/8270
3&4-Methylphenol (m&p-Cresol)	ND	83	ug/L	1	10/02/25	MR	SW-846 1311/8270
Hexachlorobenzene	ND	83	ug/L	1	10/02/25	MR	SW-846 1311/8270
Hexachlorobutadiene	ND	83	ug/L	1	10/02/25	MR	SW-846 1311/8270
Hexachloroethane	ND	83	ug/L	1	10/02/25	MR	SW-846 1311/8270
Nitrobenzene	ND	83	ug/L	1	10/02/25	MR	SW-846 1311/8270
Pentachlorophenol	ND	83	ug/L	1	10/02/25	MR	SW-846 1311/8270
Pyridine	ND	83	ug/L	1	10/02/25	MR	SW-846 1311/8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	79		%	1	10/02/25	MR	15 - 110 %
% 2-Fluorobiphenyl	60		%	1	10/02/25	MR	30 - 130 %
% 2-Fluorophenol	62		%	1	10/02/25	MR	15 - 110 %
% Nitrobenzene-d5	65		%	1	10/02/25	MR	30 - 130 %
% Phenol-d5	56		%	1	10/02/25	MR	15 - 110 %
% Terphenyl-d14	80		%	1	10/02/25	MR	30 - 130 %
Semivolatile Library Search	Completed				10/06/25	MR	

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

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

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

Comments:

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.

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.

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.

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
October 08, 2025
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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

October 08, 2025

FOR: Attn: Mr. Brian Pendergast
American Environmental Solutions, Inc
42 West Avenue
Patchogue, NY 11772

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/26/25	13:30
Location Code:	AES-EASTSIDE	Received by:	CP	09/29/25	19:45
Rush Request:	5 Day	Analyzed by:	see "By" below		
P.O.#:	0987				

Laboratory Data

SDG ID: GCU37292
Phoenix ID: CU37297

Project ID: EAST SIDE COASTAL RESILIENCY
Client ID: DEP106

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.67	0.67	mg/Kg	1	10/02/25	CPP	SW6010D
Aluminum	12900	10	mg/Kg	1	10/02/25	CPP	SW6010D
Arsenic	9.1	1.3	mg/Kg	1	10/02/25	CPP	SW6010D
Barium	389	0.67	mg/Kg	1	10/02/25	CPP	SW6010D
Beryllium	0.84	0.54	mg/Kg	1	10/02/25	CPP	SW6010D
Calcium	23800	100	mg/Kg	10	10/01/25	CPP	SW6010D
Cadmium	0.88	0.67	mg/Kg	1	10/02/25	CPP	SW6010D
Cobalt	12.1	0.67	mg/Kg	1	10/02/25	CPP	SW6010D
Chromium	28.5	0.67	mg/Kg	1	10/02/25	CPP	SW6010D
Copper	74.6	1.3	mg/kg	1	10/02/25	CPP	SW6010D
Iron	27300	10	mg/Kg	1	10/02/25	CPP	SW6010D
Mercury	1.21	0.14	mg/Kg	1	09/30/25	ZT	SW7473
Potassium	3560	100	mg/Kg	10	10/01/25	CPP	SW6010D
Magnesium	7390	10	mg/Kg	1	10/02/25	CPP	SW6010D
Manganese	419	0.67	mg/Kg	1	10/02/25	TH	SW6010D
Sodium	807	10	mg/Kg	1	10/02/25	CPP	SW6010D
Nickel	31.5	0.67	mg/Kg	1	10/02/25	CPP	SW6010D
Lead	451	0.67	mg/Kg	1	10/02/25	CPP	SW6010D
Antimony	< 6.7	6.7	mg/Kg	1	10/02/25	CPP	SW6010D
Selenium	< 2.7	2.7	mg/Kg	1	10/02/25	CPP	SW6010D
TCLP Silver	< 0.10	0.10	mg/L	1	09/30/25	TH	SW846 1311/6010
TCLP Arsenic	< 0.10	0.10	mg/L	1	09/30/25	TH	SW846 1311/6010
TCLP Barium	0.28	0.10	mg/L	1	09/30/25	TH	SW846 1311/6010
TCLP Cadmium	< 0.050	0.050	mg/L	1	09/30/25	TH	SW846 1311/6010
TCLP Chromium	< 0.10	0.10	mg/L	1	09/30/25	TH	SW846 1311/6010
TCLP Mercury	< 0.0002	0.0002	mg/L	1	09/30/25	AJ1	SW846 1311/7470
TCLP Lead	< 0.10	0.10	mg/L	1	09/30/25	TH	SW846 1311/6010
TCLP Selenium	< 0.10	0.10	mg/L	1	09/30/25	TH	SW846 1311/6010D

Ver 1

Project ID: EAST SIDE COASTAL RESILIENCY
Client ID: DEP106

Phoenix I.D.: CU37297

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Thallium	< 6.1	6.1	mg/Kg	1	10/02/25	CPP	SW6010D	
TCLP Metals Digestion	Completed				09/30/25	AK/GW	SW3010A	
Vanadium	40.4	0.67	mg/Kg	1	10/02/25	CPP	SW6010D	
Zinc	388	1.3	mg/Kg	1	10/02/25	CPP	SW6010D	
Percent Solid	53		%		09/29/25	CV	SW846-%Solid	
Corrosivity	Negative		Pos/Neg	1	09/29/25	KG	SW846-Corr	1
Flash Point	>200	200	Degree F	1	09/30/25	G	SW1010B	
Chromium, Hex. (SW3060A digestion	< 0.69	0.69	mg/Kg	1	09/30/25	NP	SW7196A	
Ignitability	Passed	140	degree F	1	09/30/25	G	SW846-Ignit	1
pH at 20C - Soil	8.71	1.00	pH Units	1	09/29/25 23:32	KG	SW846 9045D	
Reactivity Cyanide	< 9	9	mg/Kg	1	10/01/25	IH/GD	SW846 7.3.3.1/90	1
Reactivity Sulfide	< 20	20	mg/Kg	1	10/01/25	IH/GD	SW846 CH7	1
Reactivity	Negative		Pos/Neg	1	10/01/25	IH/GD	SW846-React	1
Redox Potential	496		mV	1	09/29/25	KG	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	< 0.94	0.94	mg/Kg	1	10/01/25	J/K/K/G	SW9012B	
Extraction of NY ETPH	Completed				10/03/25	S/Z	SW3546	
Soil Extraction for Herbicide	Completed				10/02/25	X/D	SW3546	
NJ EPH Extraction	Completed				10/01/25	S/A	NJDEP 10-08 R3	
Soil Extraction for PCB	Completed				10/03/25	H/U	SW3546	
Soil Extraction for Pesticides	Completed				10/03/25	H/U	SW3546	
Soil Extraction for SVOA	Completed				10/02/25	SD/S/Z	SW3546	
TCLP Digestion Mercury	Completed				09/30/25	AK/GW	SW7470A	
TCLP Herbicides Extraction	Completed				10/02/25	CV/AC1/D	SW8150 MOD	
TCLP Extraction for Metals	Completed				09/29/25	AK	SW1311	
TCLP Extraction for Organics	Completed				09/29/25	AK	SW1311	
TCLP Pesticides Extraction	Completed				10/01/25	J/J	SW3510C	
TCLP Semi-Volatile Extraction	Completed				10/01/25	T/T	SW3510C	
TCLP Extraction Volatiles	Completed				09/29/25	CV	SW1311	
Total Metals Digest	Completed				09/30/25	P/AG/BF	SW3050B	
NJ EPH Category 1 (Fuel #2/Diesel)								
>C28-C40	ND	74	mg/kg	5	10/06/25	JRB	NJEPH 10-08 R3	1
C9-C28	ND	150	mg/kg	5	10/06/25	JRB	NJEPH 10-08 R3	1
Total EPH	ND	74	mg/kg	5	10/06/25	JRB	NJEPH 10-08 R3	1
QA/QC Surrogates								
% COD (surr)	42		%	5	10/06/25	JRB	40 - 140 %	
% Terphenyl (surr)	99		%	5	10/06/25	JRB	40 - 140 %	
Gasoline Range Hydrocarbons (C6-C10)								
GRO (C6-C10)	ND	27	mg/Kg	50	10/01/25	V	SW8015D GRO	
QA/QC Surrogates								
% 2,5-Dibromotoluene (FID)	109		%	50	10/01/25	V	70 - 130 %	
Chlorinated Herbicides								
2,4,5-T	ND	240	ug/Kg	10	10/03/25	JRB	SW8151A	
2,4,5-TP (Silvex)	ND	240	ug/Kg	10	10/03/25	JRB	SW8151A	
2,4-D	ND	470	ug/Kg	10	10/03/25	JRB	SW8151A	
2,4-DB	ND	2400	ug/Kg	10	10/03/25	JRB	SW8151A	
Dalapon	ND	240	ug/Kg	10	10/03/25	JRB	SW8151A	

Ver 1

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Dicamba	ND	240	ug/Kg	10	10/03/25	JRB	SW8151A
Dichloroprop	ND	470	ug/Kg	10	10/03/25	JRB	SW8151A
Dinoseb	ND	470	ug/Kg	10	10/03/25	JRB	SW8151A
QA/QC Surrogates							
% DCAA	104		%	10	10/03/25	JRB	30 - 150 %
% DCAA (Confirmation)	85		%	10	10/03/25	JRB	30 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	62	ug/Kg	2	10/04/25	SC	SW8082A
PCB-1221	ND	62	ug/Kg	2	10/04/25	SC	SW8082A
PCB-1232	ND	62	ug/Kg	2	10/04/25	SC	SW8082A
PCB-1242	ND	62	ug/Kg	2	10/04/25	SC	SW8082A
PCB-1248	ND	62	ug/Kg	2	10/04/25	SC	SW8082A
PCB-1254	ND	62	ug/Kg	2	10/04/25	SC	SW8082A
PCB-1260	ND	62	ug/Kg	2	10/04/25	SC	SW8082A
PCB-1262	ND	62	ug/Kg	2	10/04/25	SC	SW8082A
PCB-1268	ND	62	ug/Kg	2	10/04/25	SC	SW8082A
QA/QC Surrogates							
% DCBP	62		%	2	10/04/25	SC	30 - 150 %
% DCBP (Confirmation)	60		%	2	10/04/25	SC	30 - 150 %
% TCMX	64		%	2	10/04/25	SC	30 - 150 %
% TCMX (Confirmation)	62		%	2	10/04/25	SC	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.5	ug/Kg	2	10/06/25	AW	SW8081B
4,4' -DDE	ND	2.5	ug/Kg	2	10/06/25	AW	SW8081B
4,4' -DDT	ND	2.5	ug/Kg	2	10/06/25	AW	SW8081B
a-BHC	ND	12	ug/Kg	2	10/06/25	AW	SW8081B
a-Chlordane	ND	6.2	ug/Kg	2	10/06/25	AW	SW8081B
Aldrin	ND	2.5	ug/Kg	2	10/06/25	AW	SW8081B
b-BHC	ND	12	ug/Kg	2	10/06/25	AW	SW8081B
Chlordane	ND	62	ug/Kg	2	10/06/25	AW	SW8081B
d-BHC	ND	12	ug/Kg	2	10/06/25	AW	SW8081B
Dieldrin	ND	2.5	ug/Kg	2	10/06/25	AW	SW8081B
Endosulfan I	ND	12	ug/Kg	2	10/06/25	AW	SW8081B
Endosulfan II	ND	12	ug/Kg	2	10/06/25	AW	SW8081B
Endosulfan sulfate	ND	12	ug/Kg	2	10/06/25	AW	SW8081B
Endrin	ND	12	ug/Kg	2	10/06/25	AW	SW8081B
Endrin aldehyde	ND	12	ug/Kg	2	10/06/25	AW	SW8081B
Endrin ketone	ND	12	ug/Kg	2	10/06/25	AW	SW8081B
g-BHC	ND	2.5	ug/Kg	2	10/06/25	AW	SW8081B
g-Chlordane	ND	6.2	ug/Kg	2	10/06/25	AW	SW8081B
Heptachlor	ND	12	ug/Kg	2	10/06/25	AW	SW8081B
Heptachlor epoxide	ND	12	ug/Kg	2	10/06/25	AW	SW8081B
Methoxychlor	ND	62	ug/Kg	2	10/06/25	AW	SW8081B
Toxaphene	ND	250	ug/Kg	2	10/06/25	AW	SW8081B
QA/QC Surrogates							
% DCBP	64		%	2	10/06/25	AW	30 - 150 %
% DCBP (Confirmation)	55		%	2	10/06/25	AW	30 - 150 %
% TCMX	55		%	2	10/06/25	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
% TCMX (Confirmation)	56		%	2	10/06/25	AW	30 - 150 %	
TCLP Herbicides								
2,4,5-TP (Silvex)	ND	50	ug/L	10	10/04/25	JRB	SW846 1311/8151	
2,4-D	ND	100	ug/L	10	10/04/25	JRB	SW846 1311/8151	
QA/QC Surrogates								
% DCAA	70		%	10	10/04/25	JRB	30 - 150 %	
% DCAA (Confirmation)	71		%	10	10/04/25	JRB	30 - 150 %	
TCLP Pesticides								
4,4' -DDD	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
4,4' -DDE	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
4,4' -DDT	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
a-BHC	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Alachlor	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	1
Aldrin	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
b-BHC	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Chlordane	ND	5.0	ug/L	10	10/02/25	AW	SW8081B	
d-BHC	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Dieldrin	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
Endosulfan I	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Endosulfan II	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
Endosulfan Sulfate	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
Endrin	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
Endrin Aldehyde	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
g-BHC (Lindane)	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Heptachlor	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Heptachlor epoxide	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Methoxychlor	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Toxaphene	ND	20	ug/L	10	10/02/25	AW	SW8081B	
QA/QC Surrogates								
%DCBP (Surrogate Rec)	94		%	10	10/02/25	AW	30 - 150 %	
%DCBP (Surrogate Rec) (Confirmation)	76		%	10	10/02/25	AW	30 - 150 %	
%TCMX (Surrogate Rec)	73		%	10	10/02/25	AW	30 - 150 %	
%TCMX (Surrogate Rec) (Confirmation)	77		%	10	10/02/25	AW	30 - 150 %	
TPH DRO (C10-C28)								
Diesel Range Organics (C10-C28)	460	94	mg/Kg	1	10/05/25	JRB	SW8015D DRO	
QA/QC Surrogates								
% Terphenyl-d14	71		%	1	10/05/25	JRB	50 - 150 %	
% Tricosane(C23)	70		%	1	10/05/25	JRB	50 - 150 %	
Volatiles (TCL)								
1,1,1-Trichloroethane	ND	11	ug/kg	1	10/01/25	JLI	SW8260D	
1,1,2,2-Tetrachloroethane	ND	1400	ug/kg	50	10/01/25	JLI	SW8260D	
1,1,2-Trichloroethane	ND	11	ug/kg	1	10/01/25	JLI	SW8260D	
1,1-Dichloroethane	ND	11	ug/kg	1	10/01/25	JLI	SW8260D	
1,1-Dichloroethene	ND	11	ug/kg	1	10/01/25	JLI	SW8260D	
1,2,3-Trichlorobenzene	ND	1400	ug/kg	50	10/01/25	JLI	SW8260D	
1,2,4-Trichlorobenzene	ND	1400	ug/kg	50	10/01/25	JLI	SW8260D	

Project ID: EAST SIDE COASTAL RESILIENCY
Client ID: DEP106

Phoenix I.D.: CU37297

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,2,4-Trimethylbenzene	ND	1400	ug/kg	50	10/01/25	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	1400	ug/kg	50	10/01/25	JLI	SW8260D
1,2-Dibromoethane	ND	11	ug/kg	1	10/01/25	JLI	SW8260D
1,2-Dichlorobenzene	ND	1100	ug/kg	50	10/01/25	JLI	SW8260D
1,2-Dichloroethane	ND	11	ug/kg	1	10/01/25	JLI	SW8260D
1,2-Dichloropropane	ND	11	ug/kg	1	10/01/25	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	1400	ug/kg	50	10/01/25	JLI	SW8260D
1,3-Dichlorobenzene	ND	1400	ug/kg	50	10/01/25	JLI	SW8260D
1,4-Dichlorobenzene	ND	1400	ug/kg	50	10/01/25	JLI	SW8260D
2-Hexanone	ND	56	ug/kg	1	10/01/25	JLI	SW8260D
4-Methyl-2-pentanone	ND	56	ug/kg	1	10/01/25	JLI	SW8260D
Acetone	ND	50	ug/kg	1	10/01/25	JLI	SW8260D
Benzene	ND	11	ug/kg	1	10/01/25	JLI	SW8260D
Bromochloromethane	ND	11	ug/kg	1	10/01/25	JLI	SW8260D
Bromodichloromethane	ND	11	ug/kg	1	10/01/25	JLI	SW8260D
Bromoform	ND	11	ug/kg	1	10/01/25	JLI	SW8260D
Bromomethane	ND	11	ug/kg	1	10/01/25	JLI	SW8260D
Carbon Disulfide	ND	11	ug/kg	1	10/01/25	JLI	SW8260D
Carbon tetrachloride	ND	11	ug/kg	1	10/01/25	JLI	SW8260D
Chlorobenzene	ND	11	ug/kg	1	10/01/25	JLI	SW8260D
Chloroethane	ND	11	ug/kg	1	10/01/25	JLI	SW8260D
Chloroform	ND	11	ug/kg	1	10/01/25	JLI	SW8260D
Chloromethane	ND	11	ug/kg	1	10/01/25	JLI	SW8260D
cis-1,2-Dichloroethene	ND	11	ug/kg	1	10/01/25	JLI	SW8260D
cis-1,3-Dichloropropene	ND	11	ug/kg	1	10/01/25	JLI	SW8260D
Cyclohexane	ND	11	ug/kg	1	10/01/25	JLI	SW8260D
Dibromochloromethane	ND	11	ug/kg	1	10/01/25	JLI	SW8260D
Dichlorodifluoromethane	ND	11	ug/kg	1	10/01/25	JLI	SW8260D
Ethylbenzene	ND	11	ug/kg	1	10/01/25	JLI	SW8260D
Isopropylbenzene	ND	1400	ug/kg	50	10/01/25	JLI	SW8260D
m&p-Xylene	ND	11	ug/kg	1	10/01/25	JLI	SW8260D
Methyl ethyl ketone	ND	67	ug/kg	1	10/01/25	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	22	ug/kg	1	10/01/25	JLI	SW8260D
Methylacetate	ND	110	ug/kg	1	10/01/25	JLI	SW8260D
Methylcyclohexane	ND	11	ug/kg	1	10/01/25	JLI	SW8260D
Methylene chloride	ND	50	ug/kg	1	10/01/25	JLI	SW8260D
o-Xylene	ND	11	ug/kg	1	10/01/25	JLI	SW8260D
Styrene	ND	11	ug/kg	1	10/01/25	JLI	SW8260D
Tetrachloroethene	ND	11	ug/kg	1	10/01/25	JLI	SW8260D
Toluene	ND	11	ug/kg	1	10/01/25	JLI	SW8260D
Total Xylenes	ND	11	ug/kg	1	10/01/25	JLI	SW8260D
trans-1,2-Dichloroethene	ND	11	ug/kg	1	10/01/25	JLI	SW8260D
trans-1,3-Dichloropropene	ND	11	ug/kg	1	10/01/25	JLI	SW8260D
Trichloroethene	ND	11	ug/kg	1	10/01/25	JLI	SW8260D
Trichlorofluoromethane	ND	11	ug/kg	1	10/01/25	JLI	SW8260D
Trichlorotrifluoroethane	ND	11	ug/kg	1	10/01/25	JLI	SW8260D
Vinyl chloride	ND	11	ug/kg	1	10/01/25	JLI	SW8260D
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101		%	1	10/01/25	JLI	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Bromofluorobenzene	83		%	1	10/01/25	JLI	70 - 130 %
% Dibromofluoromethane	99		%	1	10/01/25	JLI	70 - 130 %
% Toluene-d8	85		%	1	10/01/25	JLI	70 - 130 %
% 1,2-dichlorobenzene-d4 (50x)	103		%	50	10/01/25	JLI	70 - 130 %
% Bromofluorobenzene (50x)	99		%	50	10/01/25	JLI	70 - 130 %
% Dibromofluoromethane (50x)	96		%	50	10/01/25	JLI	70 - 130 %
% Toluene-d8 (50x)	93		%	50	10/01/25	JLI	70 - 130 %
1,4-dioxane							
1,4-dioxane	ND	100	ug/kg	1	10/01/25	JLI	SW8260D
Volatiles							
1,2,3-Trichloropropane	ND	11	ug/Kg	1	10/01/25	JLI	SW8260D
1,2,4-Trimethylbenzene	ND	11	ug/Kg	1	10/01/25	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	11	ug/Kg	1	10/01/25	JLI	SW8260D
1,3-Dichloropropane	ND	11	ug/Kg	1	10/01/25	JLI	SW8260D
n-Butylbenzene	ND	11	ug/Kg	1	10/01/25	JLI	SW8260D
n-Propylbenzene	ND	11	ug/Kg	1	10/01/25	JLI	SW8260D
p-Isopropyltoluene	ND	11	ug/Kg	1	10/01/25	JLI	SW8260D
sec-Butylbenzene	ND	11	ug/Kg	1	10/01/25	JLI	SW8260D
tert-Butylbenzene	ND	11	ug/Kg	1	10/01/25	JLI	SW8260D
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101		%	1	10/01/25	JLI	70 - 130 %
% Bromofluorobenzene	83		%	1	10/01/25	JLI	70 - 130 %
% Dibromofluoromethane	99		%	1	10/01/25	JLI	70 - 130 %
% Toluene-d8	85		%	1	10/01/25	JLI	70 - 130 %
TCLP Volatiles							
1,1-Dichloroethene	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
1,2-Dichloroethane	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
1,4-Dichlorobenzene	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
Benzene	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
Carbon tetrachloride	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
Chlorobenzene	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
Chloroform	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
Methyl ethyl ketone	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
Tetrachloroethene	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
Trichloroethene	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
Vinyl chloride	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4 (10x)	104		%	10	09/30/25	V	70 - 130 %
% Bromofluorobenzene (10x)	97		%	10	09/30/25	V	70 - 130 %
% Dibromofluoromethane (10x)	102		%	10	09/30/25	V	70 - 130 %
% Toluene-d8 (10x)	98		%	10	09/30/25	V	70 - 130 %
Volatile Library Search	Completed				10/01/25	JLI	
Semivolatiles							
1,1-Biphenyl	ND	440	ug/Kg	1	10/04/25	MR	SW8270E
1,2,4,5-Tetrachlorobenzene	ND	440	ug/Kg	1	10/04/25	MR	SW8270E

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Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
2,2'-Oxybis(1-Chloropropane)	ND	440	ug/Kg	1	10/04/25	MR	SW8270E	1
2,3,4,6-tetrachlorophenol	ND	440	ug/Kg	1	10/04/25	MR	SW8270E	
2,4,5-Trichlorophenol	ND	440	ug/Kg	1	10/04/25	MR	SW8270E	
2,4,6-Trichlorophenol	ND	440	ug/Kg	1	10/04/25	MR	SW8270E	
2,4-Dichlorophenol	ND	440	ug/Kg	1	10/04/25	MR	SW8270E	
2,4-Dimethylphenol	ND	440	ug/Kg	1	10/04/25	MR	SW8270E	
2,4-Dinitrophenol	ND	1000	ug/Kg	1	10/04/25	MR	SW8270E	
2,4-Dinitrotoluene	ND	440	ug/Kg	1	10/04/25	MR	SW8270E	
2,6-Dinitrotoluene	ND	440	ug/Kg	1	10/04/25	MR	SW8270E	
2-Chloronaphthalene	ND	440	ug/Kg	1	10/04/25	MR	SW8270E	
2-Chlorophenol	ND	440	ug/Kg	1	10/04/25	MR	SW8270E	
2-Methylnaphthalene	ND	440	ug/Kg	1	10/04/25	MR	SW8270E	
2-Methylphenol (o-cresol)	ND	330	ug/Kg	1	10/04/25	MR	SW8270E	
2-Nitroaniline	ND	1000	ug/Kg	1	10/04/25	MR	SW8270E	
2-Nitrophenol	ND	440	ug/Kg	1	10/04/25	MR	SW8270E	
3&4-Methylphenol (m&p-cresol)	ND	330	ug/Kg	1	10/04/25	MR	SW8270E	1
3,3'-Dichlorobenzidine	ND	750	ug/Kg	1	10/04/25	MR	SW8270E	
3-Nitroaniline	ND	1000	ug/Kg	1	10/04/25	MR	SW8270E	
4,6-Dinitro-2-methylphenol	ND	1800	ug/Kg	1	10/04/25	MR	SW8270E	
4-Bromophenyl phenyl ether	ND	620	ug/Kg	1	10/04/25	MR	SW8270E	
4-Chloro-3-methylphenol	ND	440	ug/Kg	1	10/04/25	MR	SW8270E	
4-Chloroaniline	ND	440	ug/Kg	1	10/04/25	MR	SW8270E	
4-Chlorophenyl phenyl ether	ND	440	ug/Kg	1	10/04/25	MR	SW8270E	
4-Nitroaniline	ND	1000	ug/Kg	1	10/04/25	MR	SW8270E	
4-Nitrophenol	ND	1800	ug/Kg	1	10/04/25	MR	SW8270E	
Acenaphthene	ND	440	ug/Kg	1	10/04/25	MR	SW8270E	
Acenaphthylene	ND	440	ug/Kg	1	10/04/25	MR	SW8270E	
Acetophenone	ND	440	ug/Kg	1	10/04/25	MR	SW8270E	
Anthracene	ND	440	ug/Kg	1	10/04/25	MR	SW8270E	
Atrazine	ND	440	ug/Kg	1	10/04/25	MR	SW8270E	
Benz(a)anthracene	680	440	ug/Kg	1	10/04/25	MR	SW8270E	
Benzaldehyde	ND	440	ug/Kg	1	10/04/25	MR	SW8270E	
Benzo(a)pyrene	870	440	ug/Kg	1	10/04/25	MR	SW8270E	
Benzo(b)fluoranthene	900	440	ug/Kg	1	10/04/25	MR	SW8270E	
Benzo(ghi)perylene	600	440	ug/Kg	1	10/04/25	MR	SW8270E	
Benzo(k)fluoranthene	ND	440	ug/Kg	1	10/04/25	MR	SW8270E	
Benzyl butyl phthalate	ND	440	ug/Kg	1	10/04/25	MR	SW8270E	
Bis(2-chloroethoxy)methane	ND	440	ug/Kg	1	10/04/25	MR	SW8270E	
Bis(2-chloroethyl)ether	ND	620	ug/Kg	1	10/04/25	MR	SW8270E	
Bis(2-ethylhexyl)phthalate	ND	440	ug/Kg	1	10/04/25	MR	SW8270E	
Caprolactam	ND	440	ug/Kg	1	10/04/25	MR	SW8270E	
Carbazole	ND	620	ug/Kg	1	10/04/25	MR	SW8270E	
Chrysene	570	440	ug/Kg	1	10/04/25	MR	SW8270E	
Dibenz(a,h)anthracene	ND	310	ug/Kg	1	10/04/25	MR	SW8270E	
Dibenzofuran	ND	440	ug/Kg	1	10/04/25	MR	SW8270E	
Diethyl phthalate	ND	440	ug/Kg	1	10/04/25	MR	SW8270E	
Dimethylphthalate	ND	440	ug/Kg	1	10/04/25	MR	SW8270E	
Di-n-butylphthalate	ND	1200	ug/Kg	1	10/04/25	MR	SW8270E	
Di-n-octylphthalate	ND	440	ug/Kg	1	10/04/25	MR	SW8270E	

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Fluoranthene	1500	440	ug/Kg	1	10/04/25	MR	SW8270E
Fluorene	ND	440	ug/Kg	1	10/04/25	MR	SW8270E
Hexachlorobenzene	ND	330	ug/Kg	1	10/04/25	MR	SW8270E
Hexachlorobutadiene	ND	440	ug/Kg	1	10/04/25	MR	SW8270E
Hexachlorocyclopentadiene	ND	440	ug/Kg	1	10/04/25	MR	SW8270E
Hexachloroethane	ND	440	ug/Kg	1	10/04/25	MR	SW8270E
Indeno(1,2,3-cd)pyrene	680	440	ug/Kg	1	10/04/25	MR	SW8270E
Isophorone	ND	440	ug/Kg	1	10/04/25	MR	SW8270E
Naphthalene	ND	440	ug/Kg	1	10/04/25	MR	SW8270E
Nitrobenzene	ND	440	ug/Kg	1	10/04/25	MR	SW8270E
N-Nitrosodimethylamine	ND	620	ug/Kg	1	10/04/25	MR	SW8270E
N-Nitrosodi-n-propylamine	ND	310	ug/Kg	1	10/04/25	MR	SW8270E
N-Nitrosodiphenylamine	ND	620	ug/Kg	1	10/04/25	MR	SW8270E
Pentachlorophenol	ND	620	ug/Kg	1	10/04/25	MR	SW8270E
Phenanthrene	770	440	ug/Kg	1	10/04/25	MR	SW8270E
Phenol	ND	330	ug/Kg	1	10/04/25	MR	SW8270E
Pyrene	1300	440	ug/Kg	1	10/04/25	MR	SW8270E
QA/QC Surrogates							
% 2,4,6-Tribromophenol	55		%	1	10/04/25	MR	30 - 130 %
% 2-Fluorobiphenyl	48		%	1	10/04/25	MR	30 - 130 %
% 2-Fluorophenol	47		%	1	10/04/25	MR	30 - 130 %
% Nitrobenzene-d5	44		%	1	10/04/25	MR	30 - 130 %
% Phenol-d5	44		%	1	10/04/25	MR	30 - 130 %
% Terphenyl-d14	55		%	1	10/04/25	MR	30 - 130 %
TCLP Acid/Base-Neutral							
1,4-Dichlorobenzene	ND	83	ug/L	1	10/02/25	MR	SW-846 1311/8270
2,4,5-Trichlorophenol	ND	83	ug/L	1	10/02/25	MR	SW-846 1311/8270
2,4,6-Trichlorophenol	ND	83	ug/L	1	10/02/25	MR	SW-846 1311/8270
2,4-Dinitrotoluene	ND	83	ug/L	1	10/02/25	MR	SW-846 1311/8270
2-Methylphenol (o-cresol)	ND	83	ug/L	1	10/02/25	MR	SW-846 1311/8270
3&4-Methylphenol (m&p-Cresol)	ND	83	ug/L	1	10/02/25	MR	SW-846 1311/8270
Hexachlorobenzene	ND	83	ug/L	1	10/02/25	MR	SW-846 1311/8270
Hexachlorobutadiene	ND	83	ug/L	1	10/02/25	MR	SW-846 1311/8270
Hexachloroethane	ND	83	ug/L	1	10/02/25	MR	SW-846 1311/8270
Nitrobenzene	ND	83	ug/L	1	10/02/25	MR	SW-846 1311/8270
Pentachlorophenol	ND	83	ug/L	1	10/02/25	MR	SW-846 1311/8270
Pyridine	ND	83	ug/L	1	10/02/25	MR	SW-846 1311/8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	84		%	1	10/02/25	MR	15 - 110 %
% 2-Fluorobiphenyl	66		%	1	10/02/25	MR	30 - 130 %
% 2-Fluorophenol	69		%	1	10/02/25	MR	15 - 110 %
% Nitrobenzene-d5	75		%	1	10/02/25	MR	30 - 130 %
% Phenol-d5	62		%	1	10/02/25	MR	15 - 110 %
% Terphenyl-d14	88		%	1	10/02/25	MR	30 - 130 %
Semivolatile Library Search	Completed				10/06/25	MR	

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

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

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

Comments:

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.

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 an oxidizing state.

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.

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.

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

October 08, 2025

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

October 08, 2025

FOR: Attn: Mr. Brian Pendergast
American Environmental Solutions, Inc
42 West Avenue
Patchogue, NY 11772

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/26/25	15:00
Location Code:	AES-EASTSIDE	Received by:	CP	09/29/25	19:45
Rush Request:	5 Day	Analyzed by:	see "By" below		
P.O.#:	0987				

Laboratory Data

SDG ID: GCU37292
Phoenix ID: CU37298

Project ID: EAST SIDE COASTAL RESILIENCY
Client ID: DEP107

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.91	0.91	mg/Kg	1	10/02/25	CPP	SW6010D
Aluminum	9540	14	mg/Kg	1	10/02/25	CPP	SW6010D
Arsenic	8.1	1.8	mg/Kg	1	10/02/25	CPP	SW6010D
Barium	517	0.91	mg/Kg	1	10/02/25	CPP	SW6010D
Beryllium	< 0.73	0.73	mg/Kg	1	10/02/25	CPP	SW6010D
Calcium	9290	14	mg/Kg	1	10/02/25	CPP	SW6010D
Cadmium	< 0.91	0.91	mg/Kg	1	10/02/25	CPP	SW6010D
Cobalt	9.25	0.91	mg/Kg	1	10/02/25	CPP	SW6010D
Chromium	20.8	0.91	mg/Kg	1	10/02/25	CPP	SW6010D
Copper	118	1.8	mg/kg	1	10/02/25	CPP	SW6010D
Iron	29400	14	mg/Kg	1	10/02/25	CPP	SW6010D
Mercury	1.31	0.2	mg/Kg	1	09/30/25	ZT	SW7473
Potassium	1650	14	mg/Kg	1	10/02/25	TH	SW6010D
Magnesium	2770	14	mg/Kg	1	10/02/25	CPP	SW6010D
Manganese	211	0.91	mg/Kg	1	10/02/25	TH	SW6010D
Sodium	772	14	mg/Kg	1	10/02/25	CPP	SW6010D
Nickel	25.2	0.91	mg/Kg	1	10/02/25	CPP	SW6010D
Lead	1640	0.91	mg/Kg	1	10/02/25	CPP	SW6010D
Antimony	< 9.1	9.1	mg/Kg	1	10/02/25	CPP	SW6010D
Selenium	< 3.7	3.7	mg/Kg	1	10/02/25	CPP	SW6010D
TCLP Silver	< 0.10	0.10	mg/L	1	09/30/25	TH	SW846 1311/6010
TCLP Arsenic	< 0.10	0.10	mg/L	1	09/30/25	TH	SW846 1311/6010
TCLP Barium	0.62	0.10	mg/L	1	09/30/25	TH	SW846 1311/6010
TCLP Cadmium	< 0.050	0.050	mg/L	1	09/30/25	TH	SW846 1311/6010
TCLP Chromium	< 0.10	0.10	mg/L	1	09/30/25	TH	SW846 1311/6010
TCLP Mercury	< 0.0002	0.0002	mg/L	1	09/30/25	AJ1	SW846 1311/7470
TCLP Lead	0.37	0.10	mg/L	1	09/30/25	TH	SW846 1311/6010
TCLP Selenium	< 0.10	0.10	mg/L	1	09/30/25	TH	SW846 1311/6010D

Ver 1

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Phoenix I.D.: CU37298

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Thallium	< 8.2	8.2	mg/Kg	1	10/02/25	CPP	SW6010D	
TCLP Metals Digestion	Completed				09/30/25	AK/GW	SW3010A	
Vanadium	29.4	0.91	mg/Kg	1	10/02/25	CPP	SW6010D	
Zinc	330	1.8	mg/Kg	1	10/02/25	CPP	SW6010D	
Percent Solid	38		%		09/29/25	CV	SW846-%Solid	
Corrosivity	Negative		Pos/Neg	1	09/29/25	KG	SW846-Corr	1
Flash Point	>200	200	Degree F	1	09/30/25	G	SW1010B	
Chromium, Hex. (SW3060A digestion	< 1.0	1.0	mg/Kg	1	09/30/25	NP	SW7196A	
Ignitability	Passed	140	degree F	1	09/30/25	G	SW846-Ignit	1
pH at 20C - Soil	7.60	1.00	pH Units	1	09/29/25 23:32	KG	SW846 9045D	
Reactivity Cyanide	< 12	12	mg/Kg	1	10/01/25	IH/GD	SW846 7.3.3.1/90	1
Reactivity Sulfide	< 20	20	mg/Kg	1	10/01/25	IH/GD	SW846 CH7	1
Reactivity	Negative		Pos/Neg	1	10/01/25	IH/GD	SW846-React	1
Redox Potential	20.5		mV	1	09/29/25	KG	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	< 1.32	1.32	mg/Kg	1	10/01/25	J/K/K/G	SW9012B	
Extraction of NY ETPH	Completed				10/03/25	S/Z	SW3546	
Soil Extraction for Herbicide	Completed				10/02/25	X/D	SW3546	
NJ EPH Extraction	Completed				10/01/25	S/A	NJDEP 10-08 R3	
Soil Extraction for PCB	Completed				10/06/25	C	SW3546	
Soil Extraction for Pesticides	Completed				10/06/25	C/Q	SW3546	
Soil Extraction for SVOA	Completed				10/02/25	SD/S/Z	SW3546	
TCLP Digestion Mercury	Completed				09/30/25	AK/GW	SW7470A	
TCLP Herbicides Extraction	Completed				10/02/25	CV/AC1/D	SW8150 MOD	
TCLP Extraction for Metals	Completed				09/29/25	AK	SW1311	
TCLP Extraction for Organics	Completed				09/29/25	AK	SW1311	
TCLP Pesticides Extraction	Completed				10/01/25	J/J	SW3510C	
TCLP Semi-Volatile Extraction	Completed				10/01/25	T/T	SW3510C	
TCLP Extraction Volatiles	Completed				09/29/25	CV	SW1311	
Total Metals Digest	Completed				09/30/25	P/AG/BF	SW3050B	
NJ EPH Category 1 (Fuel #2/Diesel)								
>C28-C40	ND	21	mg/kg	1	10/03/25	JRB	NJEPH 10-08 R3	1
C9-C28	ND	41	mg/kg	1	10/03/25	JRB	NJEPH 10-08 R3	1
Total EPH	ND	21	mg/kg	1	10/03/25	JRB	NJEPH 10-08 R3	1
QA/QC Surrogates								
% COD (surr)	75		%	1	10/03/25	JRB	40 - 140 %	
% Terphenyl (surr)	113		%	1	10/03/25	JRB	40 - 140 %	
Gasoline Range Hydrocarbons (C6-C10)								
GRO (C6-C10)	ND	28	mg/Kg	50	10/01/25	V	SW8015D GRO	
QA/QC Surrogates								
% 2,5-Dibromotoluene (FID)	108		%	50	10/01/25	V	70 - 130 %	
Chlorinated Herbicides								
2,4,5-T	ND	330	ug/Kg	10	10/03/25	JRB	SW8151A	
2,4,5-TP (Silvex)	ND	330	ug/Kg	10	10/03/25	JRB	SW8151A	
2,4-D	ND	650	ug/Kg	10	10/03/25	JRB	SW8151A	
2,4-DB	ND	3300	ug/Kg	10	10/03/25	JRB	SW8151A	
Dalapon	ND	330	ug/Kg	10	10/03/25	JRB	SW8151A	

Ver 1

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Dicamba	ND	330	ug/Kg	10	10/03/25	JRB	SW8151A
Dichloroprop	ND	650	ug/Kg	10	10/03/25	JRB	SW8151A
Dinoseb	ND	650	ug/Kg	10	10/03/25	JRB	SW8151A
QA/QC Surrogates							
% DCAA	88		%	10	10/03/25	JRB	30 - 150 %
% DCAA (Confirmation)	55		%	10	10/03/25	JRB	30 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	87	ug/Kg	2	10/07/25	SC	SW8082A
PCB-1221	ND	87	ug/Kg	2	10/07/25	SC	SW8082A
PCB-1232	ND	87	ug/Kg	2	10/07/25	SC	SW8082A
PCB-1242	ND	87	ug/Kg	2	10/07/25	SC	SW8082A
PCB-1248	ND	87	ug/Kg	2	10/07/25	SC	SW8082A
PCB-1254	ND	87	ug/Kg	2	10/07/25	SC	SW8082A
PCB-1260	ND	87	ug/Kg	2	10/07/25	SC	SW8082A
PCB-1262	ND	87	ug/Kg	2	10/07/25	SC	SW8082A
PCB-1268	ND	87	ug/Kg	2	10/07/25	SC	SW8082A
QA/QC Surrogates							
% DCBP	61		%	2	10/07/25	SC	30 - 150 %
% DCBP (Confirmation)	77		%	2	10/07/25	SC	30 - 150 %
% TCMX	62		%	2	10/07/25	SC	30 - 150 %
% TCMX (Confirmation)	70		%	2	10/07/25	SC	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	3.3	ug/Kg	2	10/07/25	AW	SW8081B
4,4' -DDE	ND	3.3	ug/Kg	2	10/07/25	AW	SW8081B
4,4' -DDT	ND	3.3	ug/Kg	2	10/07/25	AW	SW8081B
a-BHC	ND	17	ug/Kg	2	10/07/25	AW	SW8081B
a-Chlordane	ND	8.5	ug/Kg	2	10/07/25	AW	SW8081B
Aldrin	ND	3.4	ug/Kg	2	10/07/25	AW	SW8081B
b-BHC	ND	17	ug/Kg	2	10/07/25	AW	SW8081B
Chlordane	ND	85	ug/Kg	2	10/07/25	AW	SW8081B
d-BHC	ND	17	ug/Kg	2	10/07/25	AW	SW8081B
Dieldrin	ND	3.4	ug/Kg	2	10/07/25	AW	SW8081B
Endosulfan I	ND	17	ug/Kg	2	10/07/25	AW	SW8081B
Endosulfan II	ND	17	ug/Kg	2	10/07/25	AW	SW8081B
Endosulfan sulfate	ND	17	ug/Kg	2	10/07/25	AW	SW8081B
Endrin	ND	8.5	ug/Kg	2	10/07/25	AW	SW8081B
Endrin aldehyde	ND	17	ug/Kg	2	10/07/25	AW	SW8081B
Endrin ketone	ND	17	ug/Kg	2	10/07/25	AW	SW8081B
g-BHC	ND	3.4	ug/Kg	2	10/07/25	AW	SW8081B
g-Chlordane	ND	8.5	ug/Kg	2	10/07/25	AW	SW8081B
Heptachlor	ND	17	ug/Kg	2	10/07/25	AW	SW8081B
Heptachlor epoxide	ND	17	ug/Kg	2	10/07/25	AW	SW8081B
Methoxychlor	ND	85	ug/Kg	2	10/07/25	AW	SW8081B
Toxaphene	ND	340	ug/Kg	2	10/07/25	AW	SW8081B
QA/QC Surrogates							
% DCBP	62		%	2	10/07/25	AW	30 - 150 %
% DCBP (Confirmation)	66		%	2	10/07/25	AW	30 - 150 %
% TCMX	49		%	2	10/07/25	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
% TCMX (Confirmation)	57		%	2	10/07/25	AW	30 - 150 %	
TCLP Herbicides								
2,4,5-TP (Silvex)	ND	50	ug/L	10	10/04/25	JRB	SW846 1311/8151	
2,4-D	ND	100	ug/L	10	10/04/25	JRB	SW846 1311/8151	
QA/QC Surrogates								
% DCAA	69		%	10	10/04/25	JRB	30 - 150 %	
% DCAA (Confirmation)	69		%	10	10/04/25	JRB	30 - 150 %	
TCLP Pesticides								
4,4' -DDD	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
4,4' -DDE	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
4,4' -DDT	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
a-BHC	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Alachlor	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	1
Aldrin	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
b-BHC	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Chlordane	ND	5.0	ug/L	10	10/02/25	AW	SW8081B	
d-BHC	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Dieldrin	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
Endosulfan I	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Endosulfan II	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
Endosulfan Sulfate	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
Endrin	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
Endrin Aldehyde	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
g-BHC (Lindane)	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Heptachlor	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Heptachlor epoxide	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Methoxychlor	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Toxaphene	ND	20	ug/L	10	10/02/25	AW	SW8081B	
QA/QC Surrogates								
%DCBP (Surrogate Rec)	86		%	10	10/02/25	AW	30 - 150 %	
%DCBP (Surrogate Rec) (Confirmation)	69		%	10	10/02/25	AW	30 - 150 %	
%TCMX (Surrogate Rec)	66		%	10	10/02/25	AW	30 - 150 %	
%TCMX (Surrogate Rec) (Confirmation)	70		%	10	10/02/25	AW	30 - 150 %	
TPH DRO (C10-C28)								
Diesel Range Organics (C10-C28)	1100	650	mg/Kg	5	10/06/25	JRB	SW8015D DRO	
QA/QC Surrogates								
% Terphenyl-d14	87		%	5	10/06/25	JRB	50 - 150 %	
% Tricosane(C23)	49		%	5	10/06/25	JRB	50 - 150 %	3
Volatiles (TCL)								
1,1,1-Trichloroethane	ND	21	ug/kg	1	10/01/25	JLI	SW8260D	
1,1,2,2-Tetrachloroethane	ND	1400	ug/kg	50	10/01/25	JLI	SW8260D	
1,1,2-Trichloroethane	ND	21	ug/kg	1	10/01/25	JLI	SW8260D	
1,1-Dichloroethane	ND	21	ug/kg	1	10/01/25	JLI	SW8260D	
1,1-Dichloroethene	ND	21	ug/kg	1	10/01/25	JLI	SW8260D	
1,2,3-Trichlorobenzene	ND	1400	ug/kg	50	10/01/25	JLI	SW8260D	
1,2,4-Trichlorobenzene	ND	1400	ug/kg	50	10/01/25	JLI	SW8260D	

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Parameter	Result		RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,2,4-Trimethylbenzene	ND		1400	ug/kg	50	10/01/25	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND		1400	ug/kg	50	10/01/25	JLI	SW8260D
1,2-Dibromoethane	ND		21	ug/kg	1	10/01/25	JLI	SW8260D
1,2-Dichlorobenzene	ND		1100	ug/kg	50	10/01/25	JLI	SW8260D
1,2-Dichloroethane	ND		20	ug/kg	1	10/01/25	JLI	SW8260D
1,2-Dichloropropane	ND		21	ug/kg	1	10/01/25	JLI	SW8260D
1,3,5-Trimethylbenzene	ND		1400	ug/kg	50	10/01/25	JLI	SW8260D
1,3-Dichlorobenzene	ND		1400	ug/kg	50	10/01/25	JLI	SW8260D
1,4-Dichlorobenzene	ND		1400	ug/kg	50	10/01/25	JLI	SW8260D
2-Hexanone	ND		100	ug/kg	1	10/01/25	JLI	SW8260D
4-Methyl-2-pentanone	ND		100	ug/kg	1	10/01/25	JLI	SW8260D
Acetone	110	S	50	ug/kg	1	10/01/25	JLI	SW8260D
Benzene	ND		21	ug/kg	1	10/01/25	JLI	SW8260D
Bromochloromethane	ND		21	ug/kg	1	10/01/25	JLI	SW8260D
Bromodichloromethane	ND		21	ug/kg	1	10/01/25	JLI	SW8260D
Bromoform	ND		21	ug/kg	1	10/01/25	JLI	SW8260D
Bromomethane	ND		21	ug/kg	1	10/01/25	JLI	SW8260D
Carbon Disulfide	34		21	ug/kg	1	10/01/25	JLI	SW8260D
Carbon tetrachloride	ND		21	ug/kg	1	10/01/25	JLI	SW8260D
Chlorobenzene	ND		21	ug/kg	1	10/01/25	JLI	SW8260D
Chloroethane	ND		21	ug/kg	1	10/01/25	JLI	SW8260D
Chloroform	ND		21	ug/kg	1	10/01/25	JLI	SW8260D
Chloromethane	ND		21	ug/kg	1	10/01/25	JLI	SW8260D
cis-1,2-Dichloroethene	ND		21	ug/kg	1	10/01/25	JLI	SW8260D
cis-1,3-Dichloropropene	ND		21	ug/kg	1	10/01/25	JLI	SW8260D
Cyclohexane	ND		21	ug/kg	1	10/01/25	JLI	SW8260D
Dibromochloromethane	ND		21	ug/kg	1	10/01/25	JLI	SW8260D
Dichlorodifluoromethane	ND		21	ug/kg	1	10/01/25	JLI	SW8260D
Ethylbenzene	ND		21	ug/kg	1	10/01/25	JLI	SW8260D
Isopropylbenzene	ND		1400	ug/kg	50	10/01/25	JLI	SW8260D
m&p-Xylene	ND		21	ug/kg	1	10/01/25	JLI	SW8260D
Methyl ethyl ketone	ND		120	ug/kg	1	10/01/25	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND		42	ug/kg	1	10/01/25	JLI	SW8260D
Methylacetate	ND		210	ug/kg	1	10/01/25	JLI	SW8260D
Methylcyclohexane	ND		21	ug/kg	1	10/01/25	JLI	SW8260D
Methylene chloride	ND		50	ug/kg	1	10/01/25	JLI	SW8260D
o-Xylene	ND		21	ug/kg	1	10/01/25	JLI	SW8260D
Styrene	ND		21	ug/kg	1	10/01/25	JLI	SW8260D
Tetrachloroethene	ND		21	ug/kg	1	10/01/25	JLI	SW8260D
Toluene	ND		21	ug/kg	1	10/01/25	JLI	SW8260D
Total Xylenes	ND		21	ug/kg	1	10/01/25	JLI	SW8260D
trans-1,2-Dichloroethene	ND		21	ug/kg	1	10/01/25	JLI	SW8260D
trans-1,3-Dichloropropene	ND		21	ug/kg	1	10/01/25	JLI	SW8260D
Trichloroethene	ND		21	ug/kg	1	10/01/25	JLI	SW8260D
Trichlorofluoromethane	ND		21	ug/kg	1	10/01/25	JLI	SW8260D
Trichlorotrifluoroethane	ND		21	ug/kg	1	10/01/25	JLI	SW8260D
Vinyl chloride	ND		20	ug/kg	1	10/01/25	JLI	SW8260D
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	93			%	1	10/01/25	JLI	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Bromofluorobenzene	84		%	1	10/01/25	JLI	70 - 130 %
% Dibromofluoromethane	98		%	1	10/01/25	JLI	70 - 130 %
% Toluene-d8	85		%	1	10/01/25	JLI	70 - 130 %
% 1,2-dichlorobenzene-d4 (50x)	103		%	50	10/01/25	JLI	70 - 130 %
% Bromofluorobenzene (50x)	97		%	50	10/01/25	JLI	70 - 130 %
% Dibromofluoromethane (50x)	94		%	50	10/01/25	JLI	70 - 130 %
% Toluene-d8 (50x)	93		%	50	10/01/25	JLI	70 - 130 %
1,4-dioxane							
1,4-dioxane	ND	100	ug/kg	1	10/01/25	JLI	SW8260D
Volatiles							
1,2,3-Trichloropropane	ND	21	ug/Kg	1	10/01/25	JLI	SW8260D
1,2,4-Trimethylbenzene	ND	21	ug/Kg	1	10/01/25	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	21	ug/Kg	1	10/01/25	JLI	SW8260D
1,3-Dichloropropane	ND	21	ug/Kg	1	10/01/25	JLI	SW8260D
n-Butylbenzene	ND	21	ug/Kg	1	10/01/25	JLI	SW8260D
n-Propylbenzene	ND	21	ug/Kg	1	10/01/25	JLI	SW8260D
p-Isopropyltoluene	ND	21	ug/Kg	1	10/01/25	JLI	SW8260D
sec-Butylbenzene	ND	21	ug/Kg	1	10/01/25	JLI	SW8260D
tert-Butylbenzene	ND	21	ug/Kg	1	10/01/25	JLI	SW8260D
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	93		%	1	10/01/25	JLI	70 - 130 %
% Bromofluorobenzene	84		%	1	10/01/25	JLI	70 - 130 %
% Dibromofluoromethane	98		%	1	10/01/25	JLI	70 - 130 %
% Toluene-d8	85		%	1	10/01/25	JLI	70 - 130 %
TCLP Volatiles							
1,1-Dichloroethene	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
1,2-Dichloroethane	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
1,4-Dichlorobenzene	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
Benzene	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
Carbon tetrachloride	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
Chlorobenzene	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
Chloroform	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
Methyl ethyl ketone	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
Tetrachloroethene	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
Trichloroethene	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
Vinyl chloride	ND	50	ug/L	10	09/30/25	V	SW846 1311/8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4 (10x)	104		%	10	09/30/25	V	70 - 130 %
% Bromofluorobenzene (10x)	96		%	10	09/30/25	V	70 - 130 %
% Dibromofluoromethane (10x)	105		%	10	09/30/25	V	70 - 130 %
% Toluene-d8 (10x)	96		%	10	09/30/25	V	70 - 130 %
Volatile Library Search	Completed				10/01/25	JLI	
Semivolatiles							
1,1-Biphenyl	ND	920	ug/Kg	1	10/04/25	MR	SW8270E
1,2,4,5-Tetrachlorobenzene	ND	920	ug/Kg	1	10/04/25	MR	SW8270E

Project ID: EAST SIDE COASTAL RESILIENCY
Client ID: DEP107

Phoenix I.D.: CU37298

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
2,2'-Oxybis(1-Chloropropane)	ND	920	ug/Kg	1	10/04/25	MR	SW8270E	1
2,3,4,6-tetrachlorophenol	ND	920	ug/Kg	1	10/04/25	MR	SW8270E	
2,4,5-Trichlorophenol	ND	920	ug/Kg	1	10/04/25	MR	SW8270E	
2,4,6-Trichlorophenol	ND	920	ug/Kg	1	10/04/25	MR	SW8270E	
2,4-Dichlorophenol	ND	920	ug/Kg	1	10/04/25	MR	SW8270E	
2,4-Dimethylphenol	ND	920	ug/Kg	1	10/04/25	MR	SW8270E	
2,4-Dinitrophenol	ND	2100	ug/Kg	1	10/04/25	MR	SW8270E	
2,4-Dinitrotoluene	ND	920	ug/Kg	1	10/04/25	MR	SW8270E	
2,6-Dinitrotoluene	ND	920	ug/Kg	1	10/04/25	MR	SW8270E	
2-Chloronaphthalene	ND	920	ug/Kg	1	10/04/25	MR	SW8270E	
2-Chlorophenol	ND	920	ug/Kg	1	10/04/25	MR	SW8270E	
2-Methylnaphthalene	ND	920	ug/Kg	1	10/04/25	MR	SW8270E	
2-Methylphenol (o-cresol)	ND	330	ug/Kg	1	10/04/25	MR	SW8270E	
2-Nitroaniline	ND	2100	ug/Kg	1	10/04/25	MR	SW8270E	
2-Nitrophenol	ND	920	ug/Kg	1	10/04/25	MR	SW8270E	
3&4-Methylphenol (m&p-cresol)	ND	330	ug/Kg	1	10/04/25	MR	SW8270E	1
3,3'-Dichlorobenzidine	ND	1600	ug/Kg	1	10/04/25	MR	SW8270E	
3-Nitroaniline	ND	2100	ug/Kg	1	10/04/25	MR	SW8270E	
4,6-Dinitro-2-methylphenol	ND	3800	ug/Kg	1	10/04/25	MR	SW8270E	
4-Bromophenyl phenyl ether	ND	1300	ug/Kg	1	10/04/25	MR	SW8270E	
4-Chloro-3-methylphenol	ND	920	ug/Kg	1	10/04/25	MR	SW8270E	
4-Chloroaniline	ND	920	ug/Kg	1	10/04/25	MR	SW8270E	
4-Chlorophenyl phenyl ether	ND	920	ug/Kg	1	10/04/25	MR	SW8270E	
4-Nitroaniline	ND	2100	ug/Kg	1	10/04/25	MR	SW8270E	
4-Nitrophenol	ND	3800	ug/Kg	1	10/04/25	MR	SW8270E	
Acenaphthene	1100	920	ug/Kg	1	10/04/25	MR	SW8270E	
Acenaphthylene	ND	920	ug/Kg	1	10/04/25	MR	SW8270E	
Acetophenone	ND	920	ug/Kg	1	10/04/25	MR	SW8270E	
Anthracene	2400	920	ug/Kg	1	10/04/25	MR	SW8270E	
Atrazine	ND	920	ug/Kg	1	10/04/25	MR	SW8270E	
Benz(a)anthracene	5500	920	ug/Kg	1	10/04/25	MR	SW8270E	
Benzaldehyde	ND	920	ug/Kg	1	10/04/25	MR	SW8270E	
Benzo(a)pyrene	7900	920	ug/Kg	1	10/04/25	MR	SW8270E	
Benzo(b)fluoranthene	8000	920	ug/Kg	1	10/04/25	MR	SW8270E	
Benzo(ghi)perylene	4800	920	ug/Kg	1	10/04/25	MR	SW8270E	
Benzo(k)fluoranthene	3200	920	ug/Kg	1	10/04/25	MR	SW8270E	
Benzyl butyl phthalate	ND	920	ug/Kg	1	10/04/25	MR	SW8270E	
Bis(2-chloroethoxy)methane	ND	920	ug/Kg	1	10/04/25	MR	SW8270E	
Bis(2-chloroethyl)ether	ND	1300	ug/Kg	1	10/04/25	MR	SW8270E	
Bis(2-ethylhexyl)phthalate	ND	920	ug/Kg	1	10/04/25	MR	SW8270E	
Caprolactam	ND	920	ug/Kg	1	10/04/25	MR	SW8270E	
Carbazole	ND	1300	ug/Kg	1	10/04/25	MR	SW8270E	
Chrysene	4600	920	ug/Kg	1	10/04/25	MR	SW8270E	
Dibenz(a,h)anthracene	1400	650	ug/Kg	1	10/04/25	MR	SW8270E	
Dibenzofuran	ND	920	ug/Kg	1	10/04/25	MR	SW8270E	
Diethyl phthalate	ND	920	ug/Kg	1	10/04/25	MR	SW8270E	
Dimethylphthalate	ND	920	ug/Kg	1	10/04/25	MR	SW8270E	
Di-n-butylphthalate	ND	2600	ug/Kg	1	10/04/25	MR	SW8270E	
Di-n-octylphthalate	ND	920	ug/Kg	1	10/04/25	MR	SW8270E	

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Fluoranthene	9600	920	ug/Kg	1	10/04/25	MR	SW8270E
Fluorene	1000	920	ug/Kg	1	10/04/25	MR	SW8270E
Hexachlorobenzene	ND	330	ug/Kg	1	10/04/25	MR	SW8270E
Hexachlorobutadiene	ND	920	ug/Kg	1	10/04/25	MR	SW8270E
Hexachlorocyclopentadiene	ND	920	ug/Kg	1	10/04/25	MR	SW8270E
Hexachloroethane	ND	920	ug/Kg	1	10/04/25	MR	SW8270E
Indeno(1,2,3-cd)pyrene	5500	920	ug/Kg	1	10/04/25	MR	SW8270E
Isophorone	ND	920	ug/Kg	1	10/04/25	MR	SW8270E
Naphthalene	ND	920	ug/Kg	1	10/04/25	MR	SW8270E
Nitrobenzene	ND	920	ug/Kg	1	10/04/25	MR	SW8270E
N-Nitrosodimethylamine	ND	1300	ug/Kg	1	10/04/25	MR	SW8270E
N-Nitrosodi-n-propylamine	ND	650	ug/Kg	1	10/04/25	MR	SW8270E
N-Nitrosodiphenylamine	ND	1300	ug/Kg	1	10/04/25	MR	SW8270E
Pentachlorophenol	ND	800	ug/Kg	1	10/04/25	MR	SW8270E
Phenanthrene	7200	920	ug/Kg	1	10/04/25	MR	SW8270E
Phenol	ND	330	ug/Kg	1	10/04/25	MR	SW8270E
Pyrene	8500	920	ug/Kg	1	10/04/25	MR	SW8270E
QA/QC Surrogates							
% 2,4,6-Tribromophenol	66		%	1	10/04/25	MR	30 - 130 %
% 2-Fluorobiphenyl	61		%	1	10/04/25	MR	30 - 130 %
% 2-Fluorophenol	58		%	1	10/04/25	MR	30 - 130 %
% Nitrobenzene-d5	55		%	1	10/04/25	MR	30 - 130 %
% Phenol-d5	54		%	1	10/04/25	MR	30 - 130 %
% Terphenyl-d14	72		%	1	10/04/25	MR	30 - 130 %
TCLP Acid/Base-Neutral							
1,4-Dichlorobenzene	ND	83	ug/L	1	10/02/25	MR	SW-846 1311/8270
2,4,5-Trichlorophenol	ND	83	ug/L	1	10/02/25	MR	SW-846 1311/8270
2,4,6-Trichlorophenol	ND	83	ug/L	1	10/02/25	MR	SW-846 1311/8270
2,4-Dinitrotoluene	ND	83	ug/L	1	10/02/25	MR	SW-846 1311/8270
2-Methylphenol (o-cresol)	ND	83	ug/L	1	10/02/25	MR	SW-846 1311/8270
3&4-Methylphenol (m&p-Cresol)	ND	83	ug/L	1	10/02/25	MR	SW-846 1311/8270
Hexachlorobenzene	ND	83	ug/L	1	10/02/25	MR	SW-846 1311/8270
Hexachlorobutadiene	ND	83	ug/L	1	10/02/25	MR	SW-846 1311/8270
Hexachloroethane	ND	83	ug/L	1	10/02/25	MR	SW-846 1311/8270
Nitrobenzene	ND	83	ug/L	1	10/02/25	MR	SW-846 1311/8270
Pentachlorophenol	ND	83	ug/L	1	10/02/25	MR	SW-846 1311/8270
Pyridine	ND	83	ug/L	1	10/02/25	MR	SW-846 1311/8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	88		%	1	10/02/25	MR	15 - 110 %
% 2-Fluorobiphenyl	62		%	1	10/02/25	MR	30 - 130 %
% 2-Fluorophenol	67		%	1	10/02/25	MR	15 - 110 %
% Nitrobenzene-d5	79		%	1	10/02/25	MR	30 - 130 %
% Phenol-d5	62		%	1	10/02/25	MR	15 - 110 %
% Terphenyl-d14	86		%	1	10/02/25	MR	30 - 130 %
Semivolatile Library Search	Completed				10/06/25	MR	

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 (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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.

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.

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.

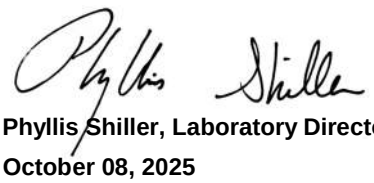
Volatile Comment:
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

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.

S - Laboratory solvent, contamination is possible.

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



Phyllis Shiller, Laboratory Director
October 08, 2025
Reviewed and Released by: Rashmi Makol, Project Manager

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: DEP100

Lab Name: Phoenix Environmental Labs Client: AES-EASTSIDE

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCU3729

Matrix:(soil/water): SOIL Lab Sample ID: CU37292

Sample wt/vol: 2.65 (g/mL) g Lab File ID: 0930_51.D

Level: (low/med): Low Date Received: 09/29/25

% Moisture: not dec. 20 Date Analyzed: 10/01/25

GC Column: RTX-VMS ID: 0.18mm Dilution Factor: 1

Purge Volume: 5000 (uL) Soil Aliquot Vol (uL): 5000

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

J - Used when estimating a concentration for TIC where a 1:1 response is assumed or when the result indicates the presence of a compound that meets the indentification criteria, but the results is less than the quantitation limit, but greater than zero.

N - The concentration is based on the response of the nearest internal. This flag is used on the TIC form for all compounds identified

Q - For TICS, this compound was quantitated using a calibration curve. This compound is part of the instrument method, but not part of the client target list.

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: DEP101

Lab Name: Phoenix Environmental Labs Client: AES-EASTSIDE

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCU3729

Matrix:(soil/water): SOIL Lab Sample ID: CU37293

Sample wt/vol: 6.47 (g/mL) g Lab File ID: 0930_52.D

Level: (low/med): Low Date Received: 09/29/25

% Moisture: not dec. 14 Date Analyzed: 10/01/25

GC Column: RTX-VMS ID: 0.18mm Dilution Factor: 1

Purge Volume: 5000 (uL) Soil Aliquot Vol (uL): 5000

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

J - Used when estimating a concentration for TIC where a 1:1 response is assumed or when the result indicates the presence of a compound that meets the indentification criteria, but the results is less than the quantitation limit, but greater than zero.

N - The concentration is based on the response of the nearest internal. This flag is used on the TIC form for all compounds identified

Q - For TICS, this compound was quantitated using a calibration curve. This compound is part of the instrument method, but not part of the client target list.

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: DEP102

Lab Name: Phoenix Environmental Labs Client: AES-EASTSIDE

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCU3729

Matrix:(soil/water): SOIL Lab Sample ID: CU37294

Sample wt/vol: 4.62 (g/mL) g Lab File ID: 0930_53.D

Level: (low/med): Low Date Received: 09/29/25

% Moisture: not dec. 32 Date Analyzed: 10/01/25

GC Column: RTX-VMS ID: 0.18mm Dilution Factor: 1

Purge Volume: 5000 (uL) Soil Aliquot Vol (uL): 5000

Number TICs found: 13 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000620-14-4	Benzene, 1-ethyl-3-methyl-	7.397	140	JN
005989-27-5	D-Limonene	7.632	91	JN
526-73-8	1,2,3-Trimethylbenzene	7.966	53	Q
527-84-4	2-Isopropyltoluene	8.034	6.7	Q
000496-11-7	Indane	8.092	130	JN
000527-84-4	Benzene, 1-methyl-2-(1-methylethyl)-	8.171	78	JN
	unknown	8.469	57	J
000933-98-2	Benzene, 1-ethyl-2,3-dimethyl-	8.537	120	JN
000767-58-8	Indan, 1-methyl-	8.631	300	JN
000934-74-7	Benzene, 1-ethyl-3,5-dimethyl-	9.395	75	JN
	unknown	9.630	89	J
91-20-3	Naphthalene	10.048	320	Q
000091-57-6	Naphthalene, 2-methyl-	10.890	69	JN

FORM I VOA-TIC

J - Used when estimating a concentration for TIC where a 1:1 response is assumed or when the result indicates the presence of a compound that meets the indentification criteria, but the results is less than the quantitation limit, but greater than zero.
N - The concentration is based on the response of the nearest internal. This flag is used on the TIC form for all compounds identified
Q - For TICS, this compound was quantitated using a calibration curve. This compound is part of the instrument method, but not part of the client target list.

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: DEP103

Lab Name: Phoenix Environmental Labs Client: AES-EASTSIDE

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCU3729

Matrix:(soil/water): SOIL Lab Sample ID: CU37295

Sample wt/vol: 4.53 (g/mL) g Lab File ID: 0930_54.D

Level: (low/med): Low Date Received: 09/29/25

% Moisture: not dec. 15 Date Analyzed: 10/01/25

GC Column: RTX-VMS ID: 0.18mm Dilution Factor: 1

Purge Volume: 5000 (uL) Soil Aliquot Vol (uL): 5000

Number TICs found: 3 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	unknown	9.729	20	J
	unknown	9.735	18	J
91-20-3	Naphthalene	10.048	5.1	Q

FORM I VOA-TIC

J - Used when estimating a concentration for TIC where a 1:1 response is assumed or when the result indicates the presence of a compound that meets the indentification criteria, but the results is less than the quantitation limit, but greater than zero.
N - The concentration is based on the response of the nearest internal. This flag is used on the TIC form for all compounds identified
Q - For TICS, this compound was quantitated using a calibration curve. This compound is part of the instrument method, but not part of the client target list.

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: DEP104

Lab Name: Phoenix Environmental Labs Client: AES-EASTSIDE

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCU3729

Matrix:(soil/water): SOIL Lab Sample ID: CU37296

Sample wt/vol: 4.29 (g/mL) g Lab File ID: 0930_55.D

Level: (low/med): Low Date Received: 09/29/25

% Moisture: not dec. 19 Date Analyzed: 10/01/25

GC Column: RTX-VMS ID: 0.18mm Dilution Factor: 1

Purge Volume: 5000 (uL) Soil Aliquot Vol (uL): 5000

Number TICs found: 10 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000622-96-8	Benzene, 1-ethyl-4-methyl-	7.125	8.6	JN
000611-14-3	Benzene, 1-ethyl-2-methyl-	7.397	13	JN
526-73-8	1,2,3-Trimethylbenzene	7.966	6.3	Q
000496-11-7	Indane	8.092	22	JN
000535-77-3	Benzene, 1-methyl-3-(1-methylethyl)-	8.537	18	JN
000767-58-8	Indan, 1-methyl-	8.631	24	JN
000934-74-7	Benzene, 1-ethyl-3,5-dimethyl-	8.981	9.9	JN
	unknown	9.630	11	J
91-20-3	Naphthalene	10.048	26	Q
000090-12-0	Naphthalene, 1-methyl-	10.890	13	JN

FORM I VOA-TIC

J - Used when estimating a concentration for TIC where a 1:1 response is assumed or when the result indicates the presence of a compound that meets the indentification criteria, but the results is less than the quantitation limit, but greater than zero.
N - The concentration is based on the response of the nearest internal. This flag is used on the TIC form for all compounds identified
Q - For TICS, this compound was quantitated using a calibration curve. This compound is part of the instrument method, but not part of the client target list.

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: DEP106

Lab Name: Phoenix Environmental Labs Client: AES-EASTSIDE

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCU3729

Matrix:(soil/water): SOIL Lab Sample ID: CU37297

Sample wt/vol: 4.2 (g/mL) g Lab File ID: 0930_56.D

Level: (low/med): Low Date Received: 09/29/25

% Moisture: not dec. 47 Date Analyzed: 10/01/25

GC Column: RTX-VMS ID: 0.18mm Dilution Factor: 1

Purge Volume: 5000 (uL) Soil Aliquot Vol (uL): 5000

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000569-41-5	Naphthalene, 1,8-dimethyl-	7.334	17	JN
000581-40-8	Naphthalene, 2,3-dimethyl-	7.339	21	JN
	unknown	9.735	43	J
91-20-3	Naphthalene	10.053	5.6	Q

FORM I VOA-TIC

J - Used when estimating a concentration for TIC where a 1:1 response is assumed or when the result indicates the presence of a compound that meets the indentification criteria, but the results is less than the quantitation limit, but greater than zero.
N - The concentration is based on the response of the nearest internal. This flag is used on the TIC form for all compounds identified
Q - For TICS, this compound was quantitated using a calibration curve. This compound is part of the instrument method, but not part of the client target list.

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: DEP107

Lab Name: Phoenix Environmental Labs Client: AES-EASTSIDE

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCU3729

Matrix:(soil/water): SOIL Lab Sample ID: CU37298

Sample wt/vol: 3.15 (g/mL) g Lab File ID: 0930_57.D

Level: (low/med): Low Date Received: 09/29/25

% Moisture: not dec. 62 Date Analyzed: 10/01/25

GC Column: RTX-VMS ID: 0.18mm Dilution Factor: 1

Purge Volume: 5000 (uL) Soil Aliquot Vol (uL): 5000

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

J - Used when estimating a concentration for TIC where a 1:1 response is assumed or when the result indicates the presence of a compound that meets the indentification criteria, but the results is less than the quantitation limit, but greater than zero.

N - The concentration is based on the response of the nearest internal. This flag is used on the TIC form for all compounds identified

Q - For TICS, this compound was quantitated using a calibration curve. This compound is part of the instrument method, but not part of the client target list.

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: DEP100

Lab Name: Phoenix Environmental Labs | Client: AES-EASTSIDE

Lab Code: Phoenix | Case No.: | SAS No.: | SDG No.: GCU3729

Matrix:(soil/water): SOIL | Lab Sample ID: CU37292

Sample wt/vol: 15.44 (g/mL) g | Lab File ID: 1002_36.D

Level: (low/med): Low | Date Received: 09/29/25

% Moisture: not dec. 20 | decanted:(Y/N) NA | Date Extracted: 10/03/25

GPC Cleanup (Y/N): N | pH: NA | Date Analyzed: 10/3/2025

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

Injection Volume: 1 (uL)

Number TICs found: 12 | CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	2.854	2600	JNA
023676-09-7	Benzoic acid, 4-ethoxy-, ethyl est	6.632	1500	JNC
074685-29-3	9-Eicosene, (E)-	7.713	980	JN
002531-84-2	Phenanthrene, 2-methyl-	8.318	450	JN
000832-69-9	Phenanthrene, 1-methyl-	8.342	490	JN
	unknown hydrocarbon	8.418	770	J
000612-94-2	Naphthalene, 2-phenyl-	8.589	390	JN
003674-65-5	Phenanthrene, 2,3-dimethyl-	8.847	470	JN
000243-24-3	Indeno[2,1-b]chromene,	9.347	330	JN
	Pyrene, 1-methyl- Isomer	9.705	360	JN
002381-21-7	Pyrene, 1-methyl-	9.846	360	JN
000207-08-9	Benzo[k]fluoranthene	14.617	2000	JN

FORM I SEMIVOA-TIC

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: DEP101

Lab Name: Phoenix Environmental Labs Client: AES-EASTSIDE

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCU3729

Matrix:(soil/water) SOIL Lab Sample ID: CU37293

Sample wt/vol: 15.06 (g/mL) g Lab File ID: 1002_37.D

Level: (low/med) Low Date Received: 09/29/25

% Moisture: not dec. 14 decanted:(Y/N) NA Date Extracted: 10/03/25

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 10/3/2025

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

Injection Volume: 1 (uL)

Number TICs found: 14 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	2.854	4500	JNA
023676-09-7	Benzoic acid, 4-ethoxy-, ethyl est	6.632	990	JNC
001730-37-6	9H-Fluorene, 1-methyl-	7.519	320	JN
000112-88-9	1-Octadecene	7.713	820	JN
000132-65-0	Dibenzothiophene	7.778	370	JN
	Phenanthrene, 2-methyl- Isomer	8.318	620	JN
002531-84-2	Phenanthrene, 2-methyl-	8.342	700	JN
002531-84-2	Phenanthrene, 2-methyl-	8.389	410	JN
	unknown hydrocarbon	8.424	1400	J
000605-02-7	Naphthalene, 1-phenyl-	8.589	420	JN
000243-42-5	Benzo[b]naphtho[2,3-d]furan	9.346	500	JN
000243-17-4	11H-Benzo[b]fluorene	9.705	420	JN
003442-78-2	Pyrene, 2-methyl-	9.852	440	JN
000050-32-8	Benzo[a]pyrene	14.623	2000	JN

FORM I SEMIVOA-TIC

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C - Indicates that the tentatively identified compound is a suspected prep artifact produced during extraction process.

Q - For TICS, this compound was quantitated using a calibration curve. This compound is part of the instrument method, but not part of the client target list.

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: DEP102

Lab Name: Phoenix Environmental Labs | Client: AES-EASTSIDE

Lab Code: Phoenix | Case No.: | SAS No.: | SDG No.: GCU3729

Matrix:(soil/water): SOIL | Lab Sample ID: CU37294

Sample wt/vol: 7.0900002 (g/mL) g | Lab File ID: 1002_38.D

Level: (low/med): Low | Date Received: 09/29/25

% Moisture: not dec. 32 | decanted:(Y/N) NA | Date Extracted: 10/03/25

GPC Cleanup (Y/N): N | pH: NA | Date Analyzed: 10/3/2025

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

Injection Volume: 1 (uL)

Number TICs found: 15 | CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	2.854	8200	JNA
000090-12-0	Naphthalene, 1-methyl-	5.721	9200	JN
000581-42-0	Naphthalene, 2,6-dimethyl-	6.179	7200	JN
000581-40-8	Naphthalene, 2,3-dimethyl-	6.250	11000	JN
	Naphthalene, 2,3-dimethyl- Isomer	6.350	6300	JN
023676-09-7	Benzoic acid, 4-ethoxy-, ethyl est	6.632	7500	JNC
000829-26-5	Naphthalene, 2,3,6-trimethyl-	6.826	3800	JN
002131-41-1	Naphthalene, 1,4,5-trimethyl-	6.908	4400	JN
000832-69-9	Phenanthrene, 1-methyl-	8.318	6200	JN
000613-12-7	Anthracene, 2-methyl-	8.389	3800	JN
	Phenanthrene, 1-methyl- Isomer	8.424	14000	JN
000781-43-1	9,10-Dimethylanthracene	8.865	3700	JN
000483-65-8	Phenanthrene, 1-methyl-7-(1-methyl	9.652	4000	JN
000198-55-0	Perylene	14.629	5300	JN
	unknown hydrocarbon	17.895	5700	J

FORM I SEMIVOA-TIC

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C - Indicates that the tentatively identified compound is a suspected prep artifact produced during extraction process.

Q - For TICS, this compound was quantitated using a calibration curve. This compound is part of the instrument method, but not part of the client target list.

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: DEP103

Lab Name: Phoenix Environmental Labs Client: AES-EASTSIDE

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCU3729

Matrix:(soil/water): SOIL Lab Sample ID: CU37295

Sample wt/vol: 6.1100001 (g/mL) g Lab File ID: 1002_26.D

Level: (low/med): Low Date Received: 09/29/25

% Moisture: not dec. 15 decanted:(Y/N) NA Date Extracted: 10/03/25

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 10/3/2025

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

Injection Volume: 1 (uL)

Number TICs found: 15 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	2.848	6700	JNA
000090-12-0	Naphthalene, 1-methyl-	5.710	1400	JN
023676-09-7	Benzoic acid, 4-ethoxy-, ethyl est	6.620	2600	JNC
001921-70-6	Pentadecane, 2,6,10,14-tetramethyl	7.349	1700	JN
018435-45-5	1-Nonadecene	7.707	1800	JN
	unknown hydrocarbon	7.737	1100	J
000610-48-0	Anthracene, 1-methyl-	8.371	1000	JN
	unknown hydrocarbon	8.406	3600	J
000612-94-2	Naphthalene, 2-phenyl-	8.577	1100	JN
000483-65-8	Phenanthrene, 1-methyl-7-(1-methyl	9.623	3000	JN
	unknown hydrocarbon	9.681	1100	J
002381-21-7	Pyrene, 1-methyl-	9.770	1100	JN
	Benzo[k]fluoranthene Isomer	14.012	1100	JN
000207-08-9	Benzo[k]fluoranthene	14.529	2500	JN
000198-55-0	Perylene	14.952	1100	JN

FORM I SEMIVOA-TIC

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C - Indicates that the tentatively identified compound is a suspected prep artifact produced during extraction process.

Q - For TICS, this compound was quantitated using a calibration curve. This compound is part of the instrument method, but not part of the client target list.

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: DEP104

Lab Name: Phoenix Environmental Labs Client: AES-EASTSIDE

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCU3729

Matrix:(soil/water): SOIL Lab Sample ID: CU37296

Sample wt/vol: 15.24 (g/mL) g Lab File ID: 1003_20.D

Level: (low/med): Low Date Received: 09/29/25

% Moisture: not dec. 19 decanted:(Y/N) NA Date Extracted: 10/04/25

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 10/4/2025

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

Injection Volume: 1 (uL)

Number TICs found: 13 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	2.684	2500	JNA
023676-09-7	Benzoic acid, 4-ethoxy-, ethyl est	6.444	770	JNC
007206-21-5	5-Octadecene, (E)-	7.537	470	JN
002531-84-2	Phenanthrene, 2-methyl-	8.113	580	JN
000613-12-7	Anthracene, 2-methyl-	8.136	770	JN
000203-64-5	4H-Cyclopenta[def]phenanthrene	8.212	960	JN
	unknown hydrocarbon	8.377	340	J
001576-67-6	Phenanthrene, 3,6-dimethyl-	8.624	450	JN
005737-13-3	Cyclopenta(def)phenanthrenone	8.700	340	JN
000050-32-8	Benzo[a]pyrene	13.330	460	JN
000198-55-0	Perylene	13.788	1500	JN
000205-99-2	Benz[e]acephenanthrylene	14.164	420	JN
000053-70-3	Dibenz[a,h]anthracene	16.761	340	JN

FORM I SEMIVOA-TIC

A - Indicates that the tentatively identified compound is a suspected aldol condensation product. Aldol condensation products are produced during the extraction process.

C - Indicates that the tentatively identified compound is a suspected prep artifact produced during extraction process.

Q - For TICS, this compound was quantitated using a calibration curve. This compound is part of the instrument method, but not part of the client target list.

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: DEP106

Lab Name: Phoenix Environmental Labs | Client: AES-EASTSIDE

Lab Code: Phoenix | Case No.: | SAS No.: | SDG No.: GCU3729

Matrix:(soil/water): SOIL | Lab Sample ID: CU37297

Sample wt/vol: 15.16 (g/mL) g | Lab File ID: 1003_21.D

Level: (low/med): Low | Date Received: 09/29/25

% Moisture: not dec. 47 | decanted:(Y/N) NA | Date Extracted: 10/04/25

GPC Cleanup (Y/N): N | pH: NA | Date Analyzed: 10/4/2025

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

Injection Volume: 1 (uL)

Number TICs found: 2 | CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	2.678	2100	JNA
023676-09-7	Benzoic acid, 4-ethoxy-, ethyl est	6.444	710	JNC

FORM I SEMIVOA-TIC

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: DEP107

Lab Name: Phoenix Environmental Labs Client: AES-EASTSIDE

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCU3729

Matrix:(soil/water): SOIL Lab Sample ID: CU37298

Sample wt/vol: 10.06 (g/mL) g Lab File ID: 1003_22.D

Level: (low/med): Low Date Received: 09/29/25

% Moisture: not dec. 62 decanted:(Y/N) NA Date Extracted: 10/04/25

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 10/4/2025

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

Injection Volume: 1 (uL)

Number TICs found: 15 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	2.684	6300	JNA
023676-09-7	Benzoic acid, 4-ethoxy-, ethyl est	6.444	2900	JNC
007206-21-5	5-Octadecene, (E)-	7.537	2100	JN
000832-69-9	Phenanthrene, 1-methyl-	8.142	2100	JN
000203-64-5	4H-Cyclopenta[def]phenanthrene	8.212	2700	JN
000297-03-0	Cyclotetracosane	12.031	1400	JN
000192-97-2	Benzo[e]pyrene	13.330	1800	JN
000198-55-0	Perylene	13.788	3900	JN
000205-82-3	Benzo[j]fluoranthene	14.164	1500	JN
000193-43-1	Indeno[1,2,3-cd]fluoranthene	16.403	1300	JN
000213-46-7	1,2:7,8-Dibenzophenanthrene	16.761	1600	JN
000191-24-2	Benzo[ghi]perylene	17.161	1800	JN
000083-46-5	.beta.-Sitosterol	17.296	4700	JN
019466-47-8	Stigmastanol	17.378	1700	JN
001058-61-3	Stigmast-4-en-3-one	18.107	1500	JN

FORM I SEMIVOA-TIC

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Environmental Laboratories, Inc.
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NY # 11301

QA/QC Report

October 08, 2025

QA/QC Data

SDG I.D.: GCU37292

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 805698 (mg/kg), QC Sample No: CU34682 (CU37292, CU37293, CU37294, CU37295, CU37296, CU37297, CU37298)														
Chromium, Hexavalent - Soil														
Chromium, Hexavalent	BRL	0.40	<0.39	<0.39	NC	97.9						80 - 120	30	
Chromium, Hexavalent (Ins)						90.8			91.2			80 - 120	30	
Chromium, Hexavalent (Sol)						95.8			<10			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 805700 (mg/L), QC Sample No: CU37246 (CU37292, CU37293, CU37294, CU37295, CU37296, CU37297, CU37298)														
Mercury - Water	BRL	0.0002	<0.0002	<0.0002	NC	89.1			89.7			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 805692 (mg/kg), QC Sample No: CU37266 (CU37292, CU37293, CU37294, CU37295, CU37296, CU37297, CU37298)														
Mercury - Soil	BRL	0.075	<0.083	<0.083	NC	108			117			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 805703 (mg/L), QC Sample No: CU23386 (CU37292, CU37293, CU37294, CU37295, CU37296, CU37297, CU37298)														
ICP Metals - TCLP Extraction														
Arsenic	BRL	0.10	0.38	0.33	NC	107	107	0.0	104			80 - 120	20	
Barium	BRL	0.10	0.17	0.15	NC	101	101	0.0	102			80 - 120	20	
Cadmium	BRL	0.050	<0.050	<0.050	NC	98.6	98.9	0.3	101			80 - 120	20	
Chromium	BRL	0.10	<0.10	<0.10	NC	101	101	0.0	103			80 - 120	20	
Lead	BRL	0.10	6.80	6.15	10.0	96.4	96.4	0.0	106			80 - 120	20	
Selenium	BRL	0.10	<0.10	<0.10	NC	114	114	0.0	110			80 - 120	20	
Silver	BRL	0.10	<0.10	<0.10	NC	104	104	0.0	99.9			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 805831 (mg/kg), QC Sample No: CU37246 (CU37292, CU37293, CU37294, CU37295, CU37296, CU37297, CU37298)														
ICP Metals - Soil														
Aluminum	BRL	5.0	9690	10000	3.10	92.3	96.7	4.7	NC			75 - 125	30	
Antimony	BRL	3.3	<3.9	<4.0	NC	88.6	89.2	0.7	86.1			75 - 125	30	
Arsenic	BRL	0.67	1.91	2.10	NC	92.7	94.2	1.6	92.8			75 - 125	30	
Barium	BRL	0.33	49.2	49.4	0.40	86.9	92.2	5.9	106			75 - 125	30	
Beryllium	BRL	0.27	0.41	0.42	NC	91.4	95.5	4.4	100			75 - 125	30	
Cadmium	BRL	0.33	<0.39	<0.40	NC	84.8	93.4	9.7	98.8			75 - 125	30	
Calcium	BRL	5.0	2200	2470	11.6	96.4	100	3.7	NC			75 - 125	30	
Chromium	BRL	0.33	14.7	15.2	3.30	93.8	96.7	3.0	104			75 - 125	30	

QA/QC Data

SDG I.D.: GCU37292

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Cobalt	BRL	0.33	8.77	10.4	17.0	95.3	98.5	3.3	101			75 - 125	30	
Copper	BRL	0.67	20.5	20.6	0.50	96.8	100	3.3	107			75 - 125	30	
Iron	BRL	5.0	18700	18700	0	96.0	102	6.1	NC			75 - 125	30	
Lead	BRL	0.33	7.49	8.19	8.90	93.1	95.6	2.6	99.6			75 - 125	30	
Magnesium	BRL	5.0	3250	3210	1.20	94.2	97.8	3.7	NC			75 - 125	30	
Manganese	BRL	0.33	400	509	24.0	92.4	95.0	2.8	>130			75 - 125	30	m
Nickel	BRL	0.33	11.6	11.8	1.70	92.3	95.4	3.3	103			75 - 125	30	
Potassium	BRL	5.0	1360	1260	7.60	97.1	101	3.9	>130			75 - 125	30	m
Selenium	BRL	1.3	<1.5	<1.6	NC	87.8	88.7	1.0	83.1			75 - 125	30	
Silver	BRL	0.33	<0.39	<0.40	NC	98.3	101	2.7	97.3			75 - 125	30	
Sodium	BRL	5.0	513	539	4.90	98.4	101	2.6	>130			75 - 125	30	m
Thallium	BRL	3.0	<3.5	<3.6	NC	84.5	94.6	11.3	96.4			75 - 125	30	
Vanadium	BRL	0.33	50.5	49.2	2.60	91.7	95.4	4.0	104			75 - 125	30	
Zinc	BRL	0.67	36.5	36.2	0.80	89.5	94.0	4.9	95.8			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%.

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

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
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NY # 11301

QA/QC Report

October 08, 2025

QA/QC Data

SDG I.D.: GCU37292

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 805973 (mg/Kg), QC Sample No: CU34991 (CU37292, CU37293)													
Reactivity Cyanide	BRL	5	<6	<6.1	NC	94.6						85 - 115	30
Reactivity Sulfide	BRL	20	<20	<20	NC	92.0						80 - 120	30
QA/QC Batch 805953 (mg/Kg), QC Sample No: CU37272 (CU37292, CU37293, CU37294, CU37295, CU37296, CU37297, CU37298)													
Total Cyanide (SW9010C Distill.)	BRL	0.50	<0.53	<0.53	NC	94.1	96.0	2.0	103			80 - 120	30
Comment:													
Additional: MS acceptance range is 75-125%.													
QA/QC Batch 805982 (mg/Kg), QC Sample No: CU37541 (CU37294, CU37295, CU37296, CU37297, CU37298)													
Reactivity Cyanide	BRL	5	<5	<5.4	NC	94.8						85 - 115	30
Reactivity Sulfide	BRL	20	<20	<20	NC	92.0						80 - 120	30
QA/QC Batch 805759 (Degree F), QC Sample No: CU36591 (CU37292, CU37293, CU37294, CU37295, CU37296, CU37297, CU37298)													
Flash Point			>200	>200	NC	100						75 - 125	30
Comment:													
Additional criteria matrix spike acceptance range is 75-125%.													
QA/QC Batch 805678 (PH), QC Sample No: CU36658 (CU37292, CU37293, CU37294, CU37295, CU37296)													
pH			8.25	8.21	0.50	101						85 - 115	20
QA/QC Batch 805679 (PH), QC Sample No: CU37297 (CU37297, CU37298)													
pH			8.71	8.68	0.30	100						85 - 115	20
QA/QC Batch 805680 (mV), QC Sample No: CU37297 (CU37297, CU37298)													
Redox Potential			496	497	NC							75 - 125	30
Comment:													
Additional criteria matrix spike acceptance range is 75-125%.													

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NY # 11301

QA/QC Report

October 08, 2025

QA/QC Data

SDG I.D.: GCU37292

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 806100 (mg/kg), QC Sample No: CU37272 (CU37292, CU37293, CU37294, CU37295, CU37296, CU37297, CU37298)										
Extractable Petroleum Hydrocarbons - Soil										
C9-C28	ND	10	97	99	2.0	89	76	15.8	40 - 140	25
C9-C28 #2 Fuel / Diesel			93	111	17.6				40 - 140	25
>C28-C40	ND	10	85	82	3.6	70	75	6.9	40 - 140	25
C9 - Nonane	ND	3.3	81	81	0.0	75	45	50.0	40 - 140	25 r
C10 - Decane	ND	3.3	81	82	1.2	74	64	14.5	40 - 140	25
C12 - Dodecane	ND	3.3	89	89	0.0	82	70	15.8	40 - 140	25
C14 - Tetradecane	ND	3.3	91	91	0.0	86	73	16.4	40 - 140	25
C16 - Hexadecane	ND	3.3	94	95	1.1	90	79	13.0	40 - 140	25
C18 - Octadecane	ND	3.3	119	124	4.1	110	94	15.7	40 - 140	25
C20 - Eicosane	ND	3.3	98	100	2.0	91	81	11.6	40 - 140	25
C21 - Heneicosane	ND	3.3	105	109	3.7	102	85	18.2	40 - 140	25
C22 - Docosane	ND	3.3	119	126	5.7	106	97	8.9	40 - 140	25
C24 - Tetracosane	ND	3.3	95	96	1.0	86	76	12.3	40 - 140	25
C26 - Hexacosane	ND	3.3	95	96	1.0	84	76	10.0	40 - 140	25
C28 - Octacosane	ND	3.3	95	96	1.0	82	76	7.6	40 - 140	25
C30 - Tricotane	ND	3.3	91	94	3.2	77	78	1.3	40 - 140	25
C32 - Dotriacontance	ND	3.3	90	91	1.1	75	78	3.9	40 - 140	25
C34 - Tetratriacontane	ND	3.3	89	87	2.3	73	75	2.7	40 - 140	25
C36 - Hexatriacontane	ND	3.3	83	81	2.4	67	73	8.6	40 - 140	25
C38 - Octatriacontane	ND	3.3	79	72	9.3	63	72	13.3	40 - 140	25
C40 - Tetracontane	ND	3.3	75	65	14.3	63	72	13.3	40 - 140	25
% COD (surr)	77	%	90	86	4.5	69	75	8.3	40 - 140	25
% Terphenyl (surr)	106	%	116	114	1.7	109	96	12.7	40 - 140	25

Comment:

Additional EPH fractionation criteria: Breakthrough criteria (BT) is 0 to 5%

QA/QC Batch 806507 (mg/Kg), QC Sample No: CU37287 (CU37292, CU37293, CU37294, CU37295, CU37296, CU37297, CU37298)

TPH by GC (Extractable Products) - Soil

Ext. Petroleum HC	ND	50	94	92	2.2				30 - 130	30
% Terphenyl-d14	73	%	88	86	2.3				50 - 150	30
% Tricosane(C23)	96	%	92	93	1.1				50 - 150	30

Comment:

The MS/MSD could not be reported due to the presence of ETPH in the original sample.

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 805936 (mg/Kg), QC Sample No: CU36214 (CU37292 (50X) , CU37293 (50X) , CU37294 (50X) , CU37295 (50X))

Gasoline Range Hydrocarbons (C6C10) - Soil

GRO (C6-C10)	ND	0.10	111	112	0.9	108	111	2.7	70 - 130	30
% 2,5-Dibromotoluene (FID)	115	%	112	114	1.8	119	124	4.1	70 - 130	30

QA/QC Data

SDG I.D.: GCU37292

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 806172 (mg/Kg), QC Sample No: CU38278 (CU37296 (50X) , CU37297 (50X) , CU37298 (50X))										
Gasoline Range Hydrocarbons (C6C10) - Soil										
GRO (C6-C10)	ND	0.10	109	110	0.9	109	111	1.8	70 - 130	30
% 2,5-Dibromotoluene (FID)	107	%	101	101	0.0	110	111	0.9	70 - 130	30
QA/QC Batch 805974 (ug/L), QC Sample No: CU37287 (CU37292, CU37293, CU37294)										
TCLP Herbicides										
2,4,5-TP (Silvex)	ND	50	88	87	1.1	89			40 - 140	20
2,4-D	ND	100	87	90	3.4	88			40 - 140	20
% DCAA	48	%	59	60	1.7	63			30 - 150	20
% DCAA (Confirmation)	59	%	62	64	3.2	62			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 806307 (ug/Kg), QC Sample No: CU37343 (CU37292, CU37293, CU37294, CU37295, CU37296, CU37297, CU37298)										
Chlorinated Herbicides - Soil										
2,4,5-T	ND	130	72	73	1.4	69	66	4.4	40 - 140	30
2,4,5-TP (Silvex)	ND	130	88	89	1.1	84	81	3.6	40 - 140	30
2,4-D	ND	250	78	81	3.8	80	75	6.5	40 - 140	30
2,4-DB	ND	2500	73	73	0.0	68	69	1.5	40 - 140	30
Dalapon	ND	130	69	79	13.5	76	72	5.4	40 - 140	30
Dicamba	ND	130	70	72	2.8	76	74	2.7	40 - 140	30
Dichloroprop	ND	130	88	87	1.1	83	81	2.4	40 - 140	30
Dinoseb	ND	130	80	77	3.8	73	70	4.2	40 - 140	30
% DCAA (Surrogate Rec)	100	%	106	109	2.8	104	102	1.9	30 - 150	30
% DCAA (Surrogate Rec) (Confirm	105	%	99	100	1.0	80	80	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 806199 (ug/L), QC Sample No: CU38361 (CU37295, CU37296, CU37297, CU37298)										
Chlorinated Herbicides										
2,4,5-TP (Silvex)	ND	2.5	105	108	2.8				40 - 140	20
2,4-D	ND	5.0	92	95	3.2				40 - 140	20
% DCAA (Surrogate Rec)	128	%	144	147	2.1				30 - 150	20
% DCAA (Surrogate Rec) (Confirm	127	%	137	140	2.2				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 806500 (ug/Kg), QC Sample No: CU31988 (CU37293, CU37296, CU37297)										
Polychlorinated Biphenyls - Soil										
PCB-1016	ND	33	79	77	2.6	60	79	27.3	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	91	93	2.2	76	96	23.3	40 - 140	30
PCB-1262	ND	33							40 - 140	30
PCB-1268	ND	33							40 - 140	30
% DCBP (Surrogate Rec)	75	%	89	90	1.1	74	94	23.8	30 - 150	30
% DCBP (Surrogate Rec) (Confirm	72	%	82	85	3.6	69	87	23.1	30 - 150	30

QA/QC Data

SDG I.D.: GCU37292

Parameter	Blank	Blk RL		LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
% TCMX (Surrogate Rec)	77	%		85	82	3.6	66	84	24.0	30 - 150	30	
% TCMX (Surrogate Rec) (Confirm	75	%		84	81	3.6	66	83	22.8	30 - 150	30	
QA/QC Batch 806785 (ug/Kg), QC Sample No: CU42273 (CU37292, CU37294, CU37295, CU37298)												
Polychlorinated Biphenyls - Soil												
PCB-1016	ND	33		60	72	18.2	72	76	5.4	40 - 140	30	
PCB-1221	ND	33								40 - 140	30	
PCB-1232	ND	33								40 - 140	30	
PCB-1242	ND	33								40 - 140	30	
PCB-1248	ND	33								40 - 140	30	
PCB-1254	ND	33								40 - 140	30	
PCB-1260	ND	33		71	84	16.8	85	82	3.6	40 - 140	30	
PCB-1262	ND	33								40 - 140	30	
PCB-1268	ND	33								40 - 140	30	
% DCBP (Surrogate Rec)	91	%		80	90	11.8	82	78	5.0	30 - 150	30	
% DCBP (Surrogate Rec) (Confirm	81	%		73	81	10.4	71	67	5.8	30 - 150	30	
% TCMX (Surrogate Rec)	81	%		69	83	18.4	78	77	1.3	30 - 150	30	
% TCMX (Surrogate Rec) (Confirm	74	%		69	79	13.5	74	74	0.0	30 - 150	30	
QA/QC Batch 806502 (ug/Kg), QC Sample No: CU31988 (CU37293, CU37296, CU37297)												
Pesticides - Soil												
4,4' -DDD	ND	1.7		80	74	7.8	63	61	3.2	40 - 140	30	
4,4' -DDE	ND	1.7		79	75	5.2	82	77	6.3	40 - 140	30	
4,4' -DDT	ND	1.7		85	81	4.8	81	75	7.7	40 - 140	30	
a-BHC	ND	1.0		79	75	5.2	23	22	4.4	40 - 140	30	m
a-Chlordane	ND	3.3		89	81	9.4	69	69	0.0	40 - 140	30	
Aldrin	ND	1.0		89	83	7.0	67	65	3.0	40 - 140	30	
b-BHC	ND	1.0		92	86	6.7	70	66	5.9	40 - 140	30	
Chlordane	ND	33		111	100	10.4	72	72	0.0	40 - 140	30	
d-BHC	ND	3.3		68	62	9.2	<10	<10	NC	40 - 140	30	m
Dieldrin	ND	1.0		86	82	4.8	66	65	1.5	40 - 140	30	
Endosulfan I	ND	3.3		91	90	1.1	25	28	11.3	40 - 140	30	m
Endosulfan II	ND	3.3		86	78	9.8	15	26	53.7	40 - 140	30	m,r
Endosulfan sulfate	ND	3.3		87	83	4.7	30	33	9.5	40 - 140	30	
Endrin	ND	3.3		93	85	9.0	69	68	1.5	40 - 140	30	
Endrin aldehyde	ND	3.3		85	78	8.6	39	36	8.0	40 - 140	30	
Endrin ketone	ND	3.3		85	80	6.1	56	61	8.5	40 - 140	30	
g-BHC	ND	1.0		94	88	6.6	31	30	3.3	40 - 140	30	
g-Chlordane	ND	3.3		111	100	10.4	72	72	0.0	40 - 140	30	
Heptachlor	ND	3.3		91	83	9.2	63	62	1.6	40 - 140	30	
Heptachlor epoxide	ND	3.3		81	80	1.2	60	59	1.7	40 - 140	30	
Methoxychlor	ND	3.3		88	82	7.1	60	55	8.7	40 - 140	30	
Toxaphene	ND	130		NA	NA	NC	NA	NA	NC	40 - 140	30	
% DCBP	79	%		79	75	5.2	60	60	0.0	30 - 150	30	
% DCBP (Confirmation)	59	%		64	63	1.6	49	48	2.1	30 - 150	30	
% TCMX	82	%		81	75	7.7	68	62	9.2	30 - 150	30	
% TCMX (Confirmation)	77	%		80	81	1.2	67	64	4.6	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 806039 (ug/L), QC Sample No: CU36084 (CU37292, CU37293, CU37294, CU37295, CU37296, CU37297, CU37298)

Pesticides

4,4' -DDD	ND	0.25		96	85	12.2	96			40 - 140	20	

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
4,4' -DDE	ND	0.25	90	82	9.3	92			40 - 140	20	
4,4' -DDT	ND	0.25	98	91	7.4	101			40 - 140	20	
a-BHC	ND	0.15	85	78	8.6	85			40 - 140	20	
Alachlor	ND	0.50	NA	NA	NC	NA			40 - 140	20	
Aldrin	ND	0.15	87	79	9.6	86			40 - 140	20	
b-BHC	ND	0.15	107	96	10.8	107			40 - 140	20	
Chlordane	ND	5.0	90	82	9.3	93			40 - 140	20	
d-BHC	ND	0.50	96	86	11.0	95			40 - 140	20	
Dieldrin	ND	0.15	95	86	9.9	97			40 - 140	20	
Endosulfan I	ND	0.50	88	80	9.5	93			40 - 140	20	
Endosulfan II	ND	0.50	103	95	8.1	106			40 - 140	20	
Endosulfan sulfate	ND	0.50	111	100	10.4	113			40 - 140	20	
Endrin	ND	0.50	107	96	10.8	107			40 - 140	20	
Endrin aldehyde	ND	0.50	104	94	10.1	105			40 - 140	20	
g-BHC	ND	0.15	93	83	11.4	92			40 - 140	20	
Heptachlor	ND	0.50	83	76	8.8	84			40 - 140	20	
Heptachlor epoxide	ND	0.50	84	76	10.0	86			40 - 140	20	
Methoxychlor	ND	0.50	106	98	7.8	109			40 - 140	20	
Toxaphene	ND	20	NA	NA	NC	NA			40 - 140	20	
% DCBP	99	%	97	88	9.7	99			30 - 150	20	
% DCBP (Confirmation)	80	%	79	73	7.9	77			30 - 150	20	
% TCMX	76	%	77	70	9.5	76			30 - 150	20	
% TCMX (Confirmation)	79	%	82	76	7.6	76			30 - 150	20	

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 806351 (ug/kg), QC Sample No: CU31979 (CU37296, CU37297, CU37298)

Semivolatiles - Soil

1,1-Biphenyl	ND	230	55	57	3.6	54	58	7.1	40 - 140	30	
1,2,4,5-Tetrachlorobenzene	ND	230	56	70	22.2	54	61	12.2	40 - 140	30	
2,2'-Oxybis(1-Chloropropane)	ND	230	40	46	14.0	39	41	5.0	40 - 140	30	m
2,3,4,6-tetrachlorophenol	ND	230	71	82	14.4	67	73	8.6	30 - 130	30	
2,4,5-Trichlorophenol	ND	230	72	81	11.8	71	78	9.4	40 - 140	30	
2,4,6-Trichlorophenol	ND	130	72	82	13.0	70	77	9.5	30 - 130	30	
2,4-Dichlorophenol	ND	130	72	87	18.9	69	77	11.0	30 - 130	30	
2,4-Dimethylphenol	ND	230	66	80	19.2	59	66	11.2	30 - 130	30	
2,4-Dinitrophenol	ND	230	79	99	22.5	67	73	8.6	30 - 130	30	
2,4-Dinitrotoluene	ND	130	67	79	16.4	65	72	10.2	30 - 130	30	
2,6-Dinitrotoluene	ND	130	73	85	15.2	71	79	10.7	40 - 140	30	
2-Chloronaphthalene	ND	230	58	61	5.0	57	62	8.4	40 - 140	30	
2-Chlorophenol	ND	230	59	73	21.2	57	60	5.1	30 - 130	30	
2-Methylnaphthalene	ND	230	64	74	14.5	62	68	9.2	40 - 140	30	
2-Methylphenol (o-cresol)	ND	230	54	68	23.0	50	53	5.8	40 - 140	30	
2-Nitroaniline	ND	330	83	95	13.5	78	89	13.2	40 - 140	30	
2-Nitrophenol	ND	230	67	78	15.2	67	71	5.8	40 - 140	30	
3&4-Methylphenol (m&p-cresol)	ND	230	60	75	22.2	56	59	5.2	30 - 130	30	
3,3'-Dichlorobenzidine	ND	130	99	112	12.3	99	111	11.4	40 - 140	30	
3-Nitroaniline	ND	330	83	92	10.3	78	87	10.9	40 - 140	30	
4,6-Dinitro-2-methylphenol	ND	230	77	95	20.9	69	79	13.5	30 - 130	30	
4-Bromophenyl phenyl ether	ND	230	66	80	19.2	66	73	10.1	40 - 140	30	
4-Chloro-3-methylphenol	ND	230	67	86	24.8	65	72	10.2	30 - 130	30	
4-Chloroaniline	ND	230	54	66	20.0	53	58	9.0	40 - 140	30	

QA/QC Data

SDG I.D.: GCU37292

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
4-Chlorophenyl phenyl ether	ND	230	66	79	17.9	64	72	11.8	40 - 140	30
4-Nitroaniline	ND	230	67	77	13.9	65	72	10.2	40 - 140	30
4-Nitrophenol	ND	230	82	96	15.7	78	96	20.7	30 - 130	30
Acenaphthene	ND	230	60	67	11.0	59	65	9.7	30 - 130	30
Acenaphthylene	ND	130	56	57	1.8	54	59	8.8	40 - 140	30
Acetophenone	ND	230	48	60	22.2	47	50	6.2	40 - 140	30
Anthracene	ND	230	64	71	10.4	63	70	10.5	40 - 140	30
Atrazine	ND	130	61	69	12.3	60	67	11.0	40 - 140	30
Benz(a)anthracene	ND	230	62	68	9.2	63	70	10.5	40 - 140	30
Benzaldehyde	ND	230	90	100	10.5	91	95	4.3	40 - 140	30
Benzo(a)pyrene	ND	130	63	69	9.1	66	71	7.3	40 - 140	30
Benzo(b)fluoranthene	ND	160	63	69	9.1	65	70	7.4	40 - 140	30
Benzo(ghi)perylene	ND	230	63	66	4.7	65	71	8.8	40 - 140	30
Benzo(k)fluoranthene	ND	230	62	67	7.8	62	67	7.8	40 - 140	30
Benzyl butyl phthalate	ND	230	62	71	13.5	63	70	10.5	40 - 140	30
Bis(2-chloroethoxy)methane	ND	230	52	61	15.9	52	56	7.4	40 - 140	30
Bis(2-chloroethyl)ether	ND	130	46	54	16.0	46	49	6.3	40 - 140	30
Bis(2-ethylhexyl)phthalate	ND	230	62	70	12.1	63	70	10.5	40 - 140	30
Caprolactam	ND	230	60	78	26.1	56	64	13.3	40 - 140	30
Carbazole	ND	230	66	74	11.4	64	70	9.0	40 - 140	30
Chrysene	ND	230	60	64	6.5	60	66	9.5	40 - 140	30
Dibenz(a,h)anthracene	ND	130	66	70	5.9	66	72	8.7	40 - 140	30
Dibenzofuran	ND	230	61	62	1.6	59	64	8.1	40 - 140	30
Diethyl phthalate	ND	230	66	72	8.7	63	71	11.9	40 - 140	30
Dimethylphthalate	ND	230	64	70	9.0	62	69	10.7	40 - 140	30
Di-n-butylphthalate	ND	670	55	60	8.7	54	61	12.2	40 - 140	30
Di-n-octylphthalate	ND	230	62	73	16.3	68	76	11.1	40 - 140	30
Fluoranthene	ND	230	65	76	15.6	69	76	9.7	40 - 140	30
Fluorene	ND	230	66	72	8.7	64	72	11.8	40 - 140	30
Hexachlorobenzene	ND	130	59	72	19.8	57	64	11.6	40 - 140	30
Hexachlorobutadiene	ND	230	57	60	5.1	55	61	10.3	40 - 140	30
Hexachlorocyclopentadiene	ND	230	50	63	23.0	50	56	11.3	40 - 140	30
Hexachloroethane	ND	130	49	53	7.8	49	52	5.9	40 - 140	30
Indeno(1,2,3-cd)pyrene	ND	230	66	72	8.7	68	75	9.8	40 - 140	30
Isophorone	ND	130	51	60	16.2	50	55	9.5	40 - 140	30
Naphthalene	ND	230	53	56	5.5	52	55	5.6	40 - 140	30
Nitrobenzene	ND	130	54	66	20.0	52	56	7.4	40 - 140	30
N-Nitrosodimethylamine	ND	230	48	56	15.4	46	49	6.3	40 - 140	30
N-Nitrosodi-n-propylamine	ND	130	48	63	27.0	48	51	6.1	40 - 140	30
N-Nitrosodiphenylamine	ND	130	63	71	11.9	59	66	11.2	40 - 140	30
Pentachlorophenol	ND	230	78	97	21.7	73	81	10.4	30 - 130	30
Phenanthrene	ND	130	60	66	9.5	61	66	7.9	40 - 140	30
Phenol	ND	230	57	70	20.5	54	57	5.4	30 - 130	30
Pyrene	ND	230	63	74	16.1	67	74	9.9	30 - 130	30
% 2,4,6-Tribromophenol	57	%	62	75	19.0	60	68	12.5	30 - 130	30
% 2-Fluorobiphenyl	58	%	57	59	3.4	57	61	6.8	30 - 130	30
% 2-Fluorophenol	55	%	55	66	18.2	53	56	5.5	30 - 130	30
% Nitrobenzene-d5	49	%	48	59	20.6	47	50	6.2	30 - 130	30
% Phenol-d5	51	%	54	66	20.0	52	55	5.6	30 - 130	30
% Terphenyl-d14	65	%	62	77	21.6	61	71	15.2	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 Data

SDG I.D.: GCU37292

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 805903 (ug/L), QC Sample No: CU36213 (CU37292, CU37293, CU37294, CU37295)										
Semivolatiles - TCLP										
1,4-Dichlorobenzene	ND	17	64	56	13.3	62			40 - 140	20
2,4,5-Trichlorophenol	ND	17	90	83	8.1	96			40 - 140	20
2,4,6-Trichlorophenol	ND	17	95	88	7.7	96			30 - 130	20
2,4-Dinitrotoluene	ND	58	94	87	7.7	102			30 - 130	20
2-Methylphenol (o-cresol)	ND	17	85	79	7.3	82			40 - 140	20
3&4-Methylphenol (m&p-cresol)	ND	17	92	84	9.1	89			30 - 130	20
Hexachlorobenzene	ND	58	84	77	8.7	91			40 - 140	20
Hexachlorobutadiene	ND	58	66	60	9.5	63			40 - 140	20
Hexachloroethane	ND	58	70	61	13.7	65			40 - 140	20
Nitrobenzene	ND	58	94	87	7.7	95			40 - 140	20
Pentachlorophenol	ND	58	104	91	13.3	110			30 - 130	20
Pyridine	ND	83	74	71	4.1	75			40 - 140	20
% 2,4,6-Tribromophenol	99	%	102	91	11.4	105			15 - 110	20
% 2-Fluorobiphenyl	64	%	67	63	6.2	65			30 - 130	20
% 2-Fluorophenol	61	%	67	61	9.4	64			15 - 110	20
% Nitrobenzene-d5	79	%	80	72	10.5	77			30 - 130	20
% Phenol-d5	58	%	61	57	6.8	58			15 - 110	20
% Terphenyl-d14	73	%	76	70	8.2	79			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 Batch 806134 (ug/L), QC Sample No: CU38283 (CU37296, CU37297, CU37298)										
Semivolatiles - TCLP										
1,4-Dichlorobenzene	ND	17	59	53	10.7	52			40 - 140	20
2,4,5-Trichlorophenol	ND	17	84	82	2.4	85			40 - 140	20
2,4,6-Trichlorophenol	ND	17	91	88	3.4	93			30 - 130	20
2,4-Dinitrotoluene	ND	58	109	106	2.8	112			30 - 130	20
2-Methylphenol (o-cresol)	ND	17	74	67	9.9	71			40 - 140	20
3&4-Methylphenol (m&p-cresol)	ND	17	80	72	10.5	78			30 - 130	20
Hexachlorobenzene	ND	58	85	84	1.2	87			40 - 140	20
Hexachlorobutadiene	ND	58	72	65	10.2	63			40 - 140	20
Hexachloroethane	ND	58	61	53	14.0	53			40 - 140	20
Nitrobenzene	ND	58	77	70	9.5	73			40 - 140	20
Pentachlorophenol	ND	58	87	80	8.4	89			30 - 130	20
Pyridine	ND	83	61	56	8.5	62			40 - 140	20
% 2,4,6-Tribromophenol	85	%	87	87	0.0	89			15 - 110	20
% 2-Fluorobiphenyl	71	%	74	73	1.4	73			30 - 130	20
% 2-Fluorophenol	70	%	67	64	4.6	62			15 - 110	20
% Nitrobenzene-d5	77	%	73	68	7.1	69			30 - 130	20
% Phenol-d5	62	%	60	55	8.7	58			15 - 110	20
% Terphenyl-d14	92	%	88	86	2.3	91			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 Batch 806210 (ug/kg), QC Sample No: CU39032 (CU37292, CU37293, CU37294, CU37295)										
Semivolatiles - Soil										
1,1-Biphenyl	ND	230	61	59	3.3	59	57	3.4	40 - 140	30
1,2,4,5-Tetrachlorobenzene	ND	230	59	57	3.4	58	56	3.5	40 - 140	30
2,2'-Oxybis(1-Chloropropane)	ND	230	50	50	0.0	50	49	2.0	40 - 140	30

QA/QC Data

SDG I.D.: GCU37292

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
2,3,4,6-tetrachlorophenol	ND	230	71	69	2.9	68	67	1.5	30 - 130	30	
2,4,5-Trichlorophenol	ND	230	69	70	1.4	67	66	1.5	40 - 140	30	
2,4,6-Trichlorophenol	ND	130	76	75	1.3	77	74	4.0	30 - 130	30	
2,4-Dichlorophenol	ND	130	74	71	4.1	72	71	1.4	30 - 130	30	
2,4-Dimethylphenol	ND	230	72	70	2.8	69	66	4.4	30 - 130	30	
2,4-Dinitrophenol	ND	230	79	78	1.3	65	46	34.2	30 - 130	30	r
2,4-Dinitrotoluene	ND	130	79	78	1.3	74	72	2.7	30 - 130	30	
2,6-Dinitrotoluene	ND	130	76	75	1.3	73	70	4.2	40 - 140	30	
2-Chloronaphthalene	ND	230	63	61	3.2	62	60	3.3	40 - 140	30	
2-Chlorophenol	ND	230	68	67	1.5	67	66	1.5	30 - 130	30	
2-Methylnaphthalene	ND	230	69	68	1.5	68	66	3.0	40 - 140	30	
2-Methylphenol (o-cresol)	ND	230	62	61	1.6	62	59	5.0	40 - 140	30	
2-Nitroaniline	ND	330	99	94	5.2	87	85	2.3	40 - 140	30	
2-Nitrophenol	ND	230	70	69	1.4	71	69	2.9	40 - 140	30	
3&4-Methylphenol (m&p-cresol)	ND	230	73	73	0.0	73	70	4.2	30 - 130	30	
3,3'-Dichlorobenzidine	ND	130	86	83	3.6	74	75	1.3	40 - 140	30	
3-Nitroaniline	ND	330	88	86	2.3	81	80	1.2	40 - 140	30	
4,6-Dinitro-2-methylphenol	ND	230	84	82	2.4	76	61	21.9	30 - 130	30	
4-Bromophenyl phenyl ether	ND	230	69	66	4.4	66	64	3.1	40 - 140	30	
4-Chloro-3-methylphenol	ND	230	76	74	2.7	73	71	2.8	30 - 130	30	
4-Chloroaniline	ND	230	68	65	4.5	63	63	0.0	40 - 140	30	
4-Chlorophenyl phenyl ether	ND	230	66	64	3.1	64	61	4.8	40 - 140	30	
4-Nitroaniline	ND	230	77	75	2.6	73	70	4.2	40 - 140	30	
4-Nitrophenol	ND	230	105	103	1.9	114	104	9.2	30 - 130	30	
Acenaphthene	ND	230	65	63	3.1	63	59	6.6	30 - 130	30	
Acenaphthylene	ND	130	57	55	3.6	56	53	5.5	40 - 140	30	
Acetophenone	ND	230	64	64	0.0	63	60	4.9	40 - 140	30	
Anthracene	ND	230	67	64	4.6	65	63	3.1	40 - 140	30	
Atrazine	ND	130	65	62	4.7	58	61	5.0	40 - 140	30	
Benz(a)anthracene	ND	230	67	64	4.6	63	61	3.2	40 - 140	30	
Benzaldehyde	ND	230	122	120	1.7	125	122	2.4	40 - 140	30	
Benzo(a)pyrene	ND	130	66	63	4.7	59	59	0.0	40 - 140	30	
Benzo(b)fluoranthene	ND	160	71	67	5.8	64	64	0.0	40 - 140	30	
Benzo(ghi)perylene	ND	230	69	65	6.0	55	53	3.7	40 - 140	30	
Benzo(k)fluoranthene	ND	230	69	67	2.9	62	60	3.3	40 - 140	30	
Benzyl butyl phthalate	ND	230	74	72	2.7	69	66	4.4	40 - 140	30	
Bis(2-chloroethoxy)methane	ND	230	64	62	3.2	61	60	1.7	40 - 140	30	
Bis(2-chloroethyl)ether	ND	130	59	59	0.0	58	55	5.3	40 - 140	30	
Bis(2-ethylhexyl)phthalate	ND	230	76	73	4.0	70	68	2.9	40 - 140	30	
Caprolactam	ND	230	74	71	4.1	69	67	2.9	40 - 140	30	
Carbazole	ND	230	70	67	4.4	66	65	1.5	40 - 140	30	
Chrysene	ND	230	65	63	3.1	58	58	0.0	40 - 140	30	
Dibenz(a,h)anthracene	ND	130	69	67	2.9	56	58	3.5	40 - 140	30	
Dibenzofuran	ND	230	66	64	3.1	64	61	4.8	40 - 140	30	
Diethyl phthalate	ND	230	70	68	2.9	66	64	3.1	40 - 140	30	
Dimethylphthalate	ND	230	68	67	1.5	65	62	4.7	40 - 140	30	
Di-n-butylphthalate	ND	670	74	72	2.7	70	68	2.9	40 - 140	30	
Di-n-octylphthalate	ND	230	79	76	3.9	76	75	1.3	40 - 140	30	
Fluoranthene	ND	230	67	64	4.6	61	61	0.0	40 - 140	30	
Fluorene	ND	230	67	66	1.5	65	63	3.1	40 - 140	30	
Hexachlorobenzene	ND	130	67	64	4.6	61	60	1.7	40 - 140	30	
Hexachlorobutadiene	ND	230	56	57	1.8	57	56	1.8	40 - 140	30	
Hexachlorocyclopentadiene	ND	230	46	49	6.3	42	34	21.1	40 - 140	30	m

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Hexachloroethane	ND	130	54	54	0.0	55	52	5.6	40 - 140	30	
Indeno(1,2,3-cd)pyrene	ND	230	71	68	4.3	59	57	3.4	40 - 140	30	
Isophorone	ND	130	59	57	3.4	56	55	1.8	40 - 140	30	
Naphthalene	ND	230	58	58	0.0	58	56	3.5	40 - 140	30	
Nitrobenzene	ND	130	67	66	1.5	66	64	3.1	40 - 140	30	
N-Nitrosodimethylamine	ND	230	58	59	1.7	58	55	5.3	40 - 140	30	
N-Nitrosodi-n-propylamine	ND	130	63	62	1.6	62	60	3.3	40 - 140	30	
N-Nitrosodiphenylamine	ND	130	63	60	4.9	60	56	6.9	40 - 140	30	
Pentachlorophenol	ND	230	82	80	2.5	80	80	0.0	30 - 130	30	
Phenanthrene	ND	130	66	63	4.7	64	62	3.2	40 - 140	30	
Phenol	ND	230	72	71	1.4	71	69	2.9	30 - 130	30	
Pyrene	ND	230	67	64	4.6	62	61	1.6	30 - 130	30	
% 2,4,6-Tribromophenol	69	%	70	70	0.0	68	69	1.5	30 - 130	30	
% 2-Fluorobiphenyl	59	%	59	58	1.7	57	56	1.8	30 - 130	30	
% 2-Fluorophenol	64	%	61	61	0.0	60	58	3.4	30 - 130	30	
% Nitrobenzene-d5	56	%	60	60	0.0	60	58	3.4	30 - 130	30	
% Phenol-d5	64	%	63	63	0.0	63	61	3.2	30 - 130	30	
% Terphenyl-d14	64	%	64	61	4.8	61	59	3.3	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 806262H (ug/kg), QC Sample No: CU37207 50X (CU37293 (50X) , CU37294 (50X) , CU37297 (50X) , CU37298 (50X))

Volatiles - Soil (High Level)

1,1,2,2-Tetrachloroethane	ND	250	103	104	1.0	82	91	10.4	70 - 130	20	
1,2,3-Trichlorobenzene	ND	250	121	123	1.6	101	113	11.2	70 - 130	20	
1,2,4-Trichlorobenzene	ND	250	127	127	0.0	106	118	10.7	70 - 130	20	
1,2,4-Trimethylbenzene	ND	250	114	114	0.0	98	107	8.8	70 - 130	20	
1,2-Dibromo-3-chloropropane	ND	250	117	114	2.6	96	105	9.0	70 - 130	20	
1,2-Dichlorobenzene	ND	250	107	108	0.9	90	99	9.5	70 - 130	20	
1,3,5-Trimethylbenzene	ND	250	114	114	0.0	99	107	7.8	70 - 130	20	
1,3-Dichlorobenzene	ND	250	109	109	0.0	92	102	10.3	70 - 130	20	
1,4-Dichlorobenzene	ND	250	108	109	0.9	92	101	9.3	70 - 130	20	
Isopropylbenzene	ND	250	102	102	0.0	88	96	8.7	70 - 130	20	
% 1,2-dichlorobenzene-d4	102	%	102	103	1.0	103	102	1.0	70 - 130	20	
% Bromofluorobenzene	97	%	104	103	1.0	103	102	1.0	70 - 130	20	
% Dibromofluoromethane	95	%	97	96	1.0	98	95	3.1	70 - 130	20	
% Toluene-d8	92	%	96	96	0.0	95	96	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 805945 (ug/L), QC Sample No: CU37293 (CU37292 (10X) , CU37293 (10X) , CU37294 (10X) , CU37295 (10X) , CU37296 (10X) , CU37297 (10X) , CU37298 (10X))

Volatiles - TCLP

1,1-Dichloroethene	ND	5.0	92	90	2.2	78	110	34.0	70 - 130	20	r
1,2-Dichloroethane	ND	0.60	98	100	2.0	85	120	34.1	70 - 130	20	r
1,4-Dichlorobenzene	ND	1.0	100	102	2.0	80	104	26.1	70 - 130	20	r
Benzene	ND	0.70	98	97	1.0	81	116	35.5	70 - 130	20	r
Carbon tetrachloride	ND	5.0	94	92	2.2	83	116	33.2	70 - 130	20	r
Chlorobenzene	ND	1.0	102	101	1.0	85	117	31.7	70 - 130	20	r
Chloroform	ND	5.0	93	93	0.0	80	112	33.3	70 - 130	20	r
Methyl ethyl ketone	ND	5.0	100	102	2.0	78	108	32.3	70 - 130	20	r
Tetrachloroethene	ND	1.0	101	103	2.0	81	112	32.1	70 - 130	20	r
Trichloroethene	ND	5.0	101	99	2.0	85	118	32.5	70 - 130	20	r

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Vinyl chloride	ND	5.0	96	94	2.1	79	114	36.3	70 - 130	20	r
% 1,2-dichlorobenzene-d4	104	%	103	101	2.0	103	101	2.0	70 - 130	20	
% Bromofluorobenzene	97	%	103	101	2.0	104	103	1.0	70 - 130	20	
% Dibromofluoromethane	99	%	96	98	2.1	98	97	1.0	70 - 130	20	
% Toluene-d8	96	%	100	100	0.0	98	101	3.0	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 806064 (ug/kg), QC Sample No: CU37542 (CU37292, CU37293, CU37294, CU37295, CU37296, CU37297, CU37298)

Volatiles - Soil (Low Level)

1,1,1-Trichloroethane	ND	5.0	115	110	4.4	110	113	2.7	70 - 130	20	
1,1,2,2-Tetrachloroethane	ND	3.0	92	94	2.2	105	101	3.9	70 - 130	20	
1,1,2-Trichloroethane	ND	5.0	101	102	1.0	96	99	3.1	70 - 130	20	
1,1-Dichloroethane	ND	5.0	96	92	4.3	93	93	0.0	70 - 130	20	
1,1-Dichloroethene	ND	5.0	123	118	4.1	113	114	0.9	70 - 130	20	
1,2,3-Trichlorobenzene	ND	5.0	109	111	1.8	64	60	6.5	70 - 130	20	m
1,2,3-Trichloropropane	ND	5.0	93	93	0.0	110	110	0.0	70 - 130	20	
1,2,4-Trichlorobenzene	ND	5.0	107	108	0.9	71	68	4.3	70 - 130	20	m
1,2,4-Trimethylbenzene	ND	1.0	103	103	0.0	103	97	6.0	70 - 130	20	
1,2-Dibromo-3-chloropropane	ND	5.0	114	113	0.9	108	108	0.0	70 - 130	20	
1,2-Dibromoethane	ND	5.0	104	104	0.0	101	98	3.0	70 - 130	20	
1,2-Dichlorobenzene	ND	5.0	104	104	0.0	98	93	5.2	70 - 130	20	
1,2-Dichloroethane	ND	5.0	115	119	3.4	114	111	2.7	70 - 130	20	
1,2-Dichloropropane	ND	5.0	91	92	1.1	89	87	2.3	70 - 130	20	
1,3,5-Trimethylbenzene	ND	1.0	104	106	1.9	111	105	5.6	70 - 130	20	
1,3-Dichlorobenzene	ND	5.0	101	103	2.0	99	96	3.1	70 - 130	20	
1,3-Dichloropropane	ND	5.0	97	97	0.0	99	95	4.1	70 - 130	20	
1,4-Dichlorobenzene	ND	5.0	104	108	3.8	102	96	6.1	70 - 130	20	
1,4-dioxane	ND	100	90	87	3.4	92	88	4.4	70 - 130	20	
2-Hexanone	ND	25	82	83	1.2	70	67	4.4	70 - 130	20	m
4-Methyl-2-pentanone	ND	25	89	94	5.5	83	83	0.0	70 - 130	20	
Acetone	ND	10	86	84	2.4	72	70	2.8	70 - 130	20	
Benzene	ND	1.0	95	96	1.0	92	91	1.1	70 - 130	20	
Bromochloromethane	ND	5.0	107	99	7.8	98	99	1.0	70 - 130	20	
Bromodichloromethane	ND	5.0	114	116	1.7	108	106	1.9	70 - 130	20	
Bromoform	ND	5.0	113	114	0.9	101	101	0.0	70 - 130	20	
Bromomethane	ND	5.0	124	119	4.1	112	106	5.5	70 - 130	20	
Carbon Disulfide	ND	5.0	122	117	4.2	104	105	1.0	70 - 130	20	
Carbon tetrachloride	ND	5.0	119	113	5.2	105	109	3.7	70 - 130	20	
Chlorobenzene	ND	5.0	102	101	1.0	98	96	2.1	70 - 130	20	
Chloroethane	ND	5.0	123	117	5.0	114	114	0.0	70 - 130	20	
Chloroform	ND	5.0	103	101	2.0	100	101	1.0	70 - 130	20	
Chloromethane	ND	5.0	97	90	7.5	82	83	1.2	70 - 130	20	
cis-1,2-Dichloroethene	ND	5.0	104	97	7.0	95	96	1.0	70 - 130	20	
cis-1,3-Dichloropropene	ND	5.0	108	108	0.0	96	95	1.0	70 - 130	20	
Cyclohexane	ND	5.0	89	85	4.6	82	82	0.0	70 - 130	20	
Dibromochloromethane	ND	3.0	111	115	3.5	106	108	1.9	70 - 130	20	
Dichlorodifluoromethane	ND	5.0	136	129	5.3	109	113	3.6	70 - 130	20	l
Ethylbenzene	ND	1.0	100	101	1.0	100	99	1.0	70 - 130	20	
Isopropylbenzene	ND	1.0	100	99	1.0	115	110	4.4	70 - 130	20	
m&p-Xylene	ND	2.0	97	97	0.0	93	89	4.4	70 - 130	20	
Methyl ethyl ketone	ND	5.0	79	75	5.2	69	70	1.4	70 - 130	20	m
Methyl t-butyl ether (MTBE)	ND	1.0	93	95	2.1	99	99	0.0	70 - 130	20	

QA/QC Data

SDG I.D.: GCU37292

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Methylacetate	ND	5.0	83	76	8.8	90	85	5.7	70 - 130	20	
Methylcyclohexane	ND	5.0	97	96	1.0	86	82	4.8	70 - 130	20	
Methylene chloride	ND	5.0	111	104	6.5	101	103	2.0	70 - 130	20	
n-Butylbenzene	ND	1.0	102	102	0.0	98	90	8.5	70 - 130	20	
n-Propylbenzene	ND	1.0	99	103	4.0	112	109	2.7	70 - 130	20	
o-Xylene	ND	2.0	96	98	2.1	91	92	1.1	70 - 130	20	
p-Isopropyltoluene	ND	1.0	104	105	1.0	108	103	4.7	70 - 130	20	
sec-Butylbenzene	ND	1.0	97	99	2.0	103	98	5.0	70 - 130	20	
Styrene	ND	5.0	100	100	0.0	88	84	4.7	70 - 130	20	
tert-Butylbenzene	ND	1.0	105	105	0.0	114	111	2.7	70 - 130	20	
Tetrachloroethene	ND	5.0	108	112	3.6	103	97	6.0	70 - 130	20	
Toluene	ND	1.0	101	104	2.9	97	96	1.0	70 - 130	20	
trans-1,2-Dichloroethene	ND	5.0	96	90	6.5	85	88	3.5	70 - 130	20	
trans-1,3-Dichloropropene	ND	5.0	115	118	2.6	103	99	4.0	70 - 130	20	
Trichloroethene	ND	5.0	108	110	1.8	103	102	1.0	70 - 130	20	
Trichlorofluoromethane	ND	5.0	132	124	6.3	119	123	3.3	70 - 130	20	l
Trichlorotrifluoroethane	ND	5.0	136	131	3.7	131	129	1.5	70 - 130	20	l,m
Vinyl chloride	ND	5.0	110	105	4.7	95	98	3.1	70 - 130	20	
% 1,2-dichlorobenzene-d4	97	%	103	106	2.9	103	105	1.9	70 - 130	20	
% Bromofluorobenzene	102	%	99	101	2.0	94	93	1.1	70 - 130	20	
% Dibromofluoromethane	104	%	98	99	1.0	104	105	1.0	70 - 130	20	
% Toluene-d8	88	%	100	101	1.0	98	99	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%.

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
October 08, 2025

Wednesday, October 08, 2025

Criteria: NY: 375, 375COM, 375RRS

State: NY

Sample Criteria Exceedances Report

GCU37292 - AES-EASTSIDE

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CU37292	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Commercial	2600	280	1000	1000	ug/Kg
CU37292	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	2600	280	1000	1000	ug/Kg
CU37292	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	3100	280	1000	1000	ug/Kg
CU37292	$8270_TCLR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	430	200	330	330	ug/Kg
CU37292	$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	2100	280	500	500	ug/Kg
CU37292	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	2200	280	1000	1000	ug/Kg
CU37292	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2200	280	1000	1000	ug/Kg
CU37292	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2600	280	1000	1000	ug/Kg
CU37292	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3100	280	1000	1000	ug/Kg
CU37292	$8270_TCLR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	970	280	800	800	ug/Kg
CU37292	$8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2100	280	1000	1000	ug/Kg
CU37292	$8270_TCLR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	430	200	330	330	ug/Kg
CU37292	$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2100	280	500	500	ug/Kg
CU37292	AS-SM	Arsenic	NY / 375-6.8 Metals / Commercial	23.0	0.81	16	16	mg/Kg
CU37292	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential Restricted	23.0	0.81	16	16	mg/Kg
CU37292	AS-SM	Arsenic	NY / 375-6.8 Metals / Unrestricted Use Soil	23.0	0.81	13	13	mg/Kg
CU37292	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	70.4	0.8	50	50	mg/kg
CU37292	HG-SMDMA	Mercury	NY / 375-6.8 Metals / Commercial	9.01	0.094	2.8	2.8	mg/Kg
CU37292	HG-SMDMA	Mercury	NY / 375-6.8 Metals / Residential Restricted	9.01	0.094	0.81	0.81	mg/Kg
CU37292	HG-SMDMA	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	9.01	0.094	0.18	0.18	mg/Kg
CU37292	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	43.4	0.41	30	30	mg/Kg
CU37292	PB-SM	Lead	NY / 375-6.8 Metals / Residential Restricted	619	0.41	400	400	mg/Kg
CU37292	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	619	0.41	63	63	mg/Kg
CU37292	TCLP-PB	TCLP Lead	EPA / 40 CFR 261.24 / Toxicity Characteristics	26.9	0.10	5	5	mg/L
CU37292	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	1030	0.8	109	109	mg/Kg
CU37293	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Commercial	2500	270	1000	1000	ug/Kg
CU37293	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	3100	270	1000	1000	ug/Kg
CU37293	$8270_TCLR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	400	190	330	330	ug/Kg
CU37293	$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1900	270	500	500	ug/Kg
CU37293	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	2500	270	1000	1000	ug/Kg
CU37293	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	2600	270	1000	1000	ug/Kg
CU37293	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3100	270	1000	1000	ug/Kg
CU37293	$8270_TCLR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1000	270	800	800	ug/Kg
CU37293	$8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2400	270	1000	1000	ug/Kg
CU37293	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2600	270	1000	1000	ug/Kg
CU37293	$8270_TCLR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	400	190	330	330	ug/Kg
CU37293	$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1900	270	500	500	ug/Kg
CU37293	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2500	270	1000	1000	ug/Kg
CU37293	HG-SMDMA	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.477	0.087	0.18	0.18	mg/Kg
CU37294	$8260_TCL_SM	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	81	50	50	50	ug/kg

Wednesday, October 08, 2025

Criteria: NY: 375, 375COM, 375RRS

State: NY

Sample Criteria Exceedances Report

GCU37292 - AES-EASTSIDE

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CU37294	$8270_TCLR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Commercial	960	520	560	560	ug/Kg
CU37294	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Commercial	7200	730	5600	5600	ug/Kg
CU37294	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Commercial	7900	730	1000	1000	ug/Kg
CU37294	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Commercial	9100	730	5600	5600	ug/Kg
CU37294	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	9100	730	1000	1000	ug/Kg
CU37294	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	7900	730	1000	1000	ug/Kg
CU37294	$8270_TCLR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	960	520	330	330	ug/Kg
CU37294	$8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Residential Restricted	8200	730	3900	3900	ug/Kg
CU37294	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	7200	730	1000	1000	ug/Kg
CU37294	$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	4100	730	500	500	ug/Kg
CU37294	$8270_TCLR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	960	520	330	330	ug/Kg
CU37294	$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	4100	730	500	500	ug/Kg
CU37294	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	7200	730	1000	1000	ug/Kg
CU37294	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	7900	730	1000	1000	ug/Kg
CU37294	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	9100	730	1000	1000	ug/Kg
CU37294	$8270_TCLR	3&4-Methylphenol (m&p-cresol)	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	340	330	330	330	ug/Kg
CU37294	$8270_TCLR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2300	730	800	800	ug/Kg
CU37294	$8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	8200	730	1000	1000	ug/Kg
CU37294	AG-SM	Silver	NY / 375-6.8 Metals / Unrestricted Use Soil	7.21	0.47	2	2	mg/Kg
CU37294	AS-SM	Arsenic	NY / 375-6.8 Metals / Commercial	19.9	0.94	16	16	mg/Kg
CU37294	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential Restricted	19.9	0.94	16	16	mg/Kg
CU37294	AS-SM	Arsenic	NY / 375-6.8 Metals / Unrestricted Use Soil	19.9	0.94	13	13	mg/Kg
CU37294	CD-SM	Cadmium	NY / 375-6.8 Metals / Unrestricted Use Soil	3.70	0.47	2.5	2.5	mg/Kg
CU37294	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	245	0.9	50	50	mg/kg
CU37294	HG-SMDMA	Mercury	NY / 375-6.8 Metals / Residential Restricted	1.13	0.11	0.81	0.81	mg/Kg
CU37294	HG-SMDMA	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	1.13	0.11	0.18	0.18	mg/Kg
CU37294	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	34.0	0.47	30	30	mg/Kg
CU37294	PB-SM	Lead	NY / 375-6.8 Metals / Residential Restricted	458	0.47	400	400	mg/Kg
CU37294	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	458	0.47	63	63	mg/Kg
CU37294	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	497	0.9	109	109	mg/Kg
CU37295	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Commercial	4100	670	1000	1000	ug/Kg
CU37295	$8270_TCLR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	450	330	330	330	ug/Kg
CU37295	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	4500	670	1000	1000	ug/Kg
CU37295	$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1900	670	500	500	ug/Kg
CU37295	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	4400	670	1000	1000	ug/Kg
CU37295	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	4100	670	1000	1000	ug/Kg
CU37295	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	4100	670	1000	1000	ug/Kg
CU37295	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	4400	670	1000	1000	ug/Kg
CU37295	$8270_TCLR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1500	670	800	800	ug/Kg
CU37295	$8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3800	670	1000	1000	ug/Kg
CU37295	$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1900	670	500	500	ug/Kg

Wednesday, October 08, 2025

Criteria: NY: 375, 375COM, 375RRS

State: NY

Sample Criteria Exceedances Report

GCU37292 - AES-EASTSIDE

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CU37295	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	4500	670	1000	1000	ug/Kg
CU37295	$8270_TCLR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	450	330	330	330	ug/Kg
CU37295	HG-SMDMA	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.225	0.088	0.18	0.18	mg/Kg
CU37295	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	155	0.39	63	63	mg/Kg
CU37295	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	127	0.8	109	109	mg/Kg
CU37296	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Commercial	2500	280	1000	1000	ug/Kg
CU37296	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	2800	280	1000	1000	ug/Kg
CU37296	$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1500	280	500	500	ug/Kg
CU37296	$8270_TCLR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	370	200	330	330	ug/Kg
CU37296	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	2500	280	1000	1000	ug/Kg
CU37296	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	2400	280	1000	1000	ug/Kg
CU37296	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2500	280	1000	1000	ug/Kg
CU37296	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2800	280	1000	1000	ug/Kg
CU37296	$8270_TCLR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1000	280	800	800	ug/Kg
CU37296	$8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2200	280	1000	1000	ug/Kg
CU37296	$8270_TCLR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	370	200	330	330	ug/Kg
CU37296	$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1500	280	500	500	ug/Kg
CU37296	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2400	280	1000	1000	ug/Kg
CU37296	HG-SMDMA	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.348	0.093	0.18	0.18	mg/Kg
CU37296	PB-SM	Lead	NY / 375-6.8 Metals / Residential Restricted	512	0.42	400	400	mg/Kg
CU37296	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	512	0.42	63	63	mg/Kg
CU37296	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	266	0.8	109	109	mg/Kg
CU37297	$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	680	440	500	500	ug/Kg
CU37297	$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	680	440	500	500	ug/Kg
CU37297	BA-SM	Barium	NY / 375-6.8 Metals / Unrestricted Use Soil	389	0.67	350	350	mg/Kg
CU37297	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	74.6	1.3	50	50	mg/kg
CU37297	HG-SMDMA	Mercury	NY / 375-6.8 Metals / Residential Restricted	1.21	0.14	0.81	0.81	mg/Kg
CU37297	HG-SMDMA	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	1.21	0.14	0.18	0.18	mg/Kg
CU37297	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	31.5	0.67	30	30	mg/Kg
CU37297	PB-SM	Lead	NY / 375-6.8 Metals / Residential Restricted	451	0.67	400	400	mg/Kg
CU37297	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	451	0.67	63	63	mg/Kg
CU37297	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	388	1.3	109	109	mg/Kg
CU37298	$8260_TCL_SM	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	110	50	50	50	ug/kg
CU37298	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Commercial	7900	920	1000	1000	ug/Kg
CU37298	$8270_TCLR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Commercial	1400	650	560	560	ug/Kg
CU37298	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Commercial	8000	920	5600	5600	ug/Kg
CU37298	$8270_TCLR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	1400	650	330	330	ug/Kg
CU37298	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	8000	920	1000	1000	ug/Kg
CU37298	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	7900	920	1000	1000	ug/Kg
CU37298	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	5500	920	1000	1000	ug/Kg

Wednesday, October 08, 2025

Criteria: NY: 375, 375COM, 375RRS

State: NY

Sample Criteria Exceedances Report

GCU37292 - AES-EASTSIDE

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CU37298	$8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Residential Restricted	4600	920	3900	3900	ug/Kg
CU37298	$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	5500	920	500	500	ug/Kg
CU37298	$8270_TCLR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1400	650	330	330	ug/Kg
CU37298	$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	5500	920	500	500	ug/Kg
CU37298	$8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	4600	920	1000	1000	ug/Kg
CU37298	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	8000	920	1000	1000	ug/Kg
CU37298	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	7900	920	1000	1000	ug/Kg
CU37298	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	5500	920	1000	1000	ug/Kg
CU37298	$8270_TCLR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3200	920	800	800	ug/Kg
CU37298	BA-SM	Barium	NY / 375-6.8 Metals / Commercial	517	0.91	400	400	mg/Kg
CU37298	BA-SM	Barium	NY / 375-6.8 Metals / Residential Restricted	517	0.91	400	400	mg/Kg
CU37298	BA-SM	Barium	NY / 375-6.8 Metals / Unrestricted Use Soil	517	0.91	350	350	mg/Kg
CU37298	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	118	1.8	50	50	mg/kg
CU37298	HG-SMDMA	Mercury	NY / 375-6.8 Metals / Residential Restricted	1.31	0.2	0.81	0.81	mg/Kg
CU37298	HG-SMDMA	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	1.31	0.2	0.18	0.18	mg/Kg
CU37298	PB-SM	Lead	NY / 375-6.8 Metals / Commercial	1640	0.91	1000	1000	mg/Kg
CU37298	PB-SM	Lead	NY / 375-6.8 Metals / Residential Restricted	1640	0.91	400	400	mg/Kg
CU37298	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	1640	0.91	63	63	mg/Kg
CU37298	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	330	1.8	109	109	mg/Kg

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Comments

October 08, 2025 SDG I.D.: GCU37292

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

EPH NJ Narration

AU-FID22 10/03/25-1: CU37292, CU37298

The following Continuing Calibration compounds did not meet % deviation criteria:
Samples: CU37292, CU37298
Preceding CC O03A015 - None.
Succeeding CC O03A027 - o-COD (surr) 34%L (25%)

PEST Narration

AU-ECD33 10/07/25-1: CU37294

The following Continuing Calibration compounds did not meet % deviation criteria:
Samples: CU37294
Preceding CC O07B004 - a-Chlordane 22%L (20%)
Succeeding CC O07B018 - % DCBP 40%H (20%), % TCMX 53%H (20%), 4,4'-DDD 37%H (20%), 4,4'-DDE 32%H (20%), 4,4'-DDT 29%H (20%), a-BHC 48%H (20%), a-Chlordane 33%H (20%), Aldrin 50%H (20%), b-BHC 63%H (20%), d-BHC 38%H (20%), Dieldrin 36%H (20%), Endosulfan I 52%H (20%), Endosulfan II 35%H (20%), Endosulfan sulfate 40%H (20%), Endrin 40%H (20%), Endrin aldehyde 62%H (20%), Endrin Ketone 33%H (20%), g-BHC 60%H (20%), g-Chlordane 42%H (20%), Heptachlor 50%H (20%), Heptachlor epoxide 38%H (20%), Methoxychlor 33%H (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 10/07/25-1: CU37292, CU37295, CU37298

The following Continuing Calibration compounds did not meet % deviation criteria:
Samples: CU37292, CU37295, CU37298
Preceding CC O07B004 - None.
Succeeding CC O07B026 - Heptachlor 23%L (20%), 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.

SVOA Narration

CHEM06 10/01/25-1: CU37292, CU37293, CU37294, CU37295

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 Continuing Calibration compounds did not meet % deviation criteria: % 2,4,6-Tribromophenol 26%H (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%.

CHEM07 10/02/25-1: CU37296, CU37297, CU37298

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Comments

October 08, 2025 SDG I.D.: GCU37292

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

The following Initial Calibration compounds did not meet recommended response factors: % 2,4,6-Tribromophenol 0.043 (0.05), Hexachlorobenzene 0.068 (0.1)
The following Initial Calibration compounds did not meet minimum response factors: % 2,4,6-Tribromophenol 0.043 (0.05)

The following Continuing Calibration compounds did not meet recommended response factors: % 2,4,6-Tribromophenol 0.044 (0.05), Hexachlorobenzene 0.064 (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 10/02/25-3: CU37292, CU37293, CU37294, CU37295

The following Initial Calibration compounds did not meet recommended response factors: Hexachlorobenzene 0.092 (0.1), 2-Nitrophenol 0.052 (0.1)
The following Initial Calibration compounds did not meet minimum response factors: None.

The following Continuing Calibration compounds did not meet recommended response factors: Hexachlorobenzene 0.090 (0.1), 2-Nitrophenol 0.056 (0.1)
The following Continuing Calibration compounds did not meet minimum response factors: None.

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

VOA Narration

CHEM03 10/01/25-1: CU37293, CU37294, CU37297, CU37298

The following Continuing Calibration compounds did not meet % deviation criteria: 1,2,4-Trichlorobenzene 22%H (20%), 1,2-Dibromo-3-chloropropane 25%H (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 09/30/25-2: CU37292, CU37293, CU37294, CU37295, CU37296, CU37297, CU37298

The following Initial Calibration compounds did not meet RSD% criteria: Acetone 26% (20%)
The following Initial Calibration compounds did not meet maximum RSD% criteria: None.

The following Continuing Calibration compounds did not meet % deviation criteria: Dichlorodifluoromethane 24%H (20%), Trichlorofluoromethane 25%H (20%), Trichlorotrifluoroethane 28%H (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.
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NY Temperature Narration

October 08, 2025

SDG I.D.: GCU37292

The samples in this delivery group were received at 2.4°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

Temp 2.6 Coolant: IPK ICE Cooler: Yes No / No

NY/NJ/PA CHAIN OF CUSTODY RECORD

Pg 1 of 1

PHOENIX Environmental Laboratories, Inc.

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

Contact Options:
☐ Phone:
☐ Fax:
☑ Email: empendergast@aol.com

Customer: AES
Address: 42 west Avenue, Patchogue, NY 11772

Project: EAST SIDE COASTAL RESILIENCY Project P.O: 0987
Report to: AES
Invoice to: AES
QUOTE # : AE090921BA

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: Date: 9/26/25

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
RW=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe
OIL=Oil **B**=Bulk **L**=Liquid

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	*MS/MSD (May be billable at analysis unit rate)	TAL/TCL+30+NYadd	PJII TCL/RIC	Herbs	Hex Chromium	NJ EPH	TPH DRO+GRO	GL Amber 8 oz. [ ] w/H_3PO_4 [ ] $NAHSO_4$	Soil VOA Vials [ ] methanol [ ] H_2O	GL Soil container (8)oz	GL Soil container (4)oz VOCgr	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H_2SO_4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H_2SO_4 [ ] 250ml [ ] 500ml	PL NAOH 250ml	PL HNO_3 250ml	Bacteria Bottle w/thio	Bacteria Bottle as is
37292	DEP100	S	9/26/25	2:16		X	X	X	X	X	X			3	2	1							
37293	DEP101			12:50																			
37294	DEP102			12:20																			
37295	DEP103			9:10																			
37296	DEP104			8:40																			
37297	DEP106			1:30																			
37298	DEP107			3:00																			

Relinquished by:	Accepted by:	Date:	Time:
		9/29/25	1228
		9/29/25	5:15pm
		9/29/25	19:45

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☐ 4 Days*
☐ 5 Days*
☐ Standard
* SURCHARGE APPLIES

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

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

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

State Samples Collected? NY

Comments, Special Requirements or Regulations:

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

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

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

PEL-111 Rev 1/2025

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

NY # 11301

SDG Comments

October 07, 2025

SDG I.D.: GCU36210

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

CU36210 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

CU36211 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

CU36212 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

CU36213 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

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

Sample Id Cross Reference

October 07, 2025

SDG I.D.: GCU36210

Project ID: EAST SIDE COASTAL RESILIENCY

Client Id	Lab Id	Matrix	Col Date
DEP 111	CU36210	SOIL	09/25/25 0:00
DEP 110	CU36211	SOIL	09/25/25 0:00
DEP 109	CU36212	SOIL	09/25/25 0:00
DEP 108	CU36213	SOIL	09/25/25 0:00

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

October 07, 2025

FOR: Attn: Mr. Brian Pendergast
American Environmental Solutions, Inc
42 West Avenue
Patchogue, NY 11772

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/25/25	
Location Code:	AES-EASTSIDE	Received by:	CP	09/26/25	19:07
Rush Request:	5 Day	Analyzed by:	see "By" below		
P.O.#:	0897				

Laboratory Data

SDG ID: GCU36210
Phoenix ID: CU36210

Project ID: EAST SIDE COASTAL RESILIENCY
Client ID: DEP 111

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.36	0.36	mg/Kg	1	10/01/25	CPP	SW6010D
Aluminum	7080	5.4	mg/Kg	1	10/01/25	CPP	SW6010D
Arsenic	3.23	0.72	mg/Kg	1	10/01/25	CPP	SW6010D
Barium	93.2	0.36	mg/Kg	1	10/01/25	CPP	SW6010D
Beryllium	0.40	0.29	mg/Kg	1	10/01/25	CPP	SW6010D
Calcium	7080	5.4	mg/Kg	1	10/01/25	CPP	SW6010D
Cadmium	< 0.36	0.36	mg/Kg	1	10/01/25	CPP	SW6010D
Cobalt	7.44	0.36	mg/Kg	1	10/01/25	CPP	SW6010D
Chromium	17.9	0.36	mg/Kg	1	10/01/25	CPP	SW6010D
Copper	21.6	0.7	mg/kg	1	10/01/25	CPP	SW6010D
Iron	13900	5.4	mg/Kg	1	10/01/25	CPP	SW6010D
Mercury	0.730	0.09	mg/Kg	1	09/29/25	AJ1	SW7473
Potassium	1940	54	mg/Kg	10	10/01/25	CPP	SW6010D
Magnesium	3880	5.4	mg/Kg	1	10/01/25	CPP	SW6010D
Manganese	253	0.36	mg/Kg	1	10/01/25	TH	SW6010D
Sodium	512	5.4	mg/Kg	1	10/01/25	CPP	SW6010D
Nickel	22.0	0.36	mg/Kg	1	10/01/25	CPP	SW6010D
Lead	125	0.36	mg/Kg	1	10/01/25	CPP	SW6010D
Antimony	< 3.6	3.6	mg/Kg	1	10/01/25	CPP	SW6010D
Selenium	< 1.4	1.4	mg/Kg	1	10/01/25	CPP	SW6010D
TCLP Silver	< 0.10	0.10	mg/L	1	09/29/25	CPP	SW846 1311/6010
TCLP Arsenic	< 0.10	0.10	mg/L	1	09/29/25	CPP	SW846 1311/6010
TCLP Barium	0.81	0.10	mg/L	1	09/29/25	CPP	SW846 1311/6010
TCLP Cadmium	< 0.050	0.050	mg/L	1	09/29/25	CPP	SW846 1311/6010
TCLP Chromium	< 0.10	0.10	mg/L	1	09/29/25	CPP	SW846 1311/6010
TCLP Mercury	< 0.0002	0.0002	mg/L	1	09/29/25	AJ1	SW846 1311/7470
TCLP Lead	< 0.10	0.10	mg/L	1	09/29/25	CPP	SW846 1311/6010
TCLP Selenium	< 0.10	0.10	mg/L	1	09/29/25	CPP	SW846 1311/6010D

Ver 1

Project ID: EAST SIDE COASTAL RESILIENCY
Client ID: DEP 111

Phoenix I.D.: CU36210

Parameter	Result		RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Thallium	< 3.2		3.2	mg/Kg	1	10/01/25	CPP	SW6010D	
TCLP Metals Digestion	Completed					09/29/25	AK/GW	SW3010A	
Vanadium	20.4		0.36	mg/Kg	1	10/01/25	CPP	SW6010D	
Zinc	97.8		0.7	mg/Kg	1	10/01/25	CPP	SW6010D	
Percent Solid	83			%		09/26/25	N	SW846-%Solid	
Corrosivity	Negative			Pos/Neg	1	09/26/25	KG	SW846-Corr	1
Flash Point	>200		200	Degree F	1	09/29/25	G	SW1010B	
Chromium, Hex. (SW3060A digestion	< 0.44		0.44	mg/Kg	1	09/29/25	NP	SW7196A	
Ignitability	Passed		140	degree F	1	09/29/25	G	SW846-Ignit	1
pH at 21C - Soil	9.00		1.00	pH Units	1	09/26/25 23:04	KG	SW846 9045D	
Reactivity Cyanide	< 6		6	mg/Kg	1	10/01/25	IH/GD	SW846 7.3.3.1/90	1
Reactivity Sulfide	< 20		20	mg/Kg	1	10/01/25	IH/GD	SW846 CH7	1
Reactivity	Negative			Pos/Neg	1	10/01/25	IH/GD	SW846-React	1
Redox Potential	169			mV	1	09/26/25	KG	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	< 0.60		0.60	mg/Kg	1	10/01/25	J/K/K/G	SW9012B	
Extraction of NY ETPH	Completed					10/02/25	C/Q	SW3546	
Soil Extraction for Herbicide	Completed					09/28/25	Y/D	SW3546	
NJ EPH Extraction	Completed					10/01/25	S/A	NJDEP 10-08 R3	
Soil Extraction for PCB	Completed					10/02/25	C/Z	SW3546	
Soil Extraction for Pesticides	Completed					10/02/25	C/Z	SW3546	
Soil Extraction for SVOA	Completed					10/02/25	NG/U	SW3546	
TCLP Digestion Mercury	Completed					09/29/25	AK/GW	SW7470A	
TCLP Herbicides Extraction	Completed					09/29/25	CV/D	SW8150 MOD	
TCLP Extraction for Metals	Completed					09/26/25	AK	SW1311	
TCLP Extraction for Organics	Completed					09/26/25	AK	SW1311	
TCLP Pesticides Extraction	Completed					09/29/25	T/T	SW3510C	
TCLP Semi-Volatile Extraction	Completed					09/29/25	J/J	SW3510C	
TCLP Extraction Volatiles	Completed					09/26/25	CV	SW1311	
Total Metals Digest	Completed					09/28/25	N/AG	SW3050B	
NJ EPH Category 1 (Fuel #2/Diesel)									
>C28-C40	ND		9.4	mg/kg	1	10/03/25	JRB	NJEPH 10-08 R3	1
C9-C28	ND		19	mg/kg	1	10/03/25	JRB	NJEPH 10-08 R3	1
Total EPH	ND		9.4	mg/kg	1	10/03/25	JRB	NJEPH 10-08 R3	1
QA/QC Surrogates									
% COD (surr)	88			%	1	10/03/25	JRB	40 - 140 %	
% Terphenyl (surr)	118			%	1	10/03/25	JRB	40 - 140 %	
Gasoline Range Hydrocarbons (C6-C10)									
GRO (C6-C10)	ND	L	6.9	mg/Kg	50	09/30/25	V	SW8015D GRO	
QA/QC Surrogates									
% 2,5-Dibromotoluene (FID)	114			%	50	09/30/25	V	70 - 130 %	
Chlorinated Herbicides									
2,4,5-T	ND		150	ug/Kg	10	09/29/25	JRB	SW8151A	
2,4,5-TP (Silvex)	ND		150	ug/Kg	10	09/29/25	JRB	SW8151A	
2,4-D	ND		300	ug/Kg	10	09/29/25	JRB	SW8151A	
2,4-DB	ND		1500	ug/Kg	10	09/29/25	JRB	SW8151A	
Dalapon	ND		150	ug/Kg	10	09/29/25	JRB	SW8151A	

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Dicamba	ND	150	ug/Kg	10	09/29/25	JRB	SW8151A
Dichloroprop	ND	300	ug/Kg	10	09/29/25	JRB	SW8151A
Dinoseb	ND	300	ug/Kg	10	09/29/25	JRB	SW8151A
QA/QC Surrogates							
% DCAA	75		%	10	09/29/25	JRB	30 - 150 %
% DCAA (Confirmation)	74		%	10	09/29/25	JRB	30 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	79	ug/Kg	2	10/03/25	SC	SW8082A
PCB-1221	ND	79	ug/Kg	2	10/03/25	SC	SW8082A
PCB-1232	ND	79	ug/Kg	2	10/03/25	SC	SW8082A
PCB-1242	ND	79	ug/Kg	2	10/03/25	SC	SW8082A
PCB-1248	ND	79	ug/Kg	2	10/03/25	SC	SW8082A
PCB-1254	ND	79	ug/Kg	2	10/03/25	SC	SW8082A
PCB-1260	ND	79	ug/Kg	2	10/03/25	SC	SW8082A
PCB-1262	ND	79	ug/Kg	2	10/03/25	SC	SW8082A
PCB-1268	ND	79	ug/Kg	2	10/03/25	SC	SW8082A
QA/QC Surrogates							
% DCBP	52		%	2	10/03/25	SC	30 - 150 %
% DCBP (Confirmation)	57		%	2	10/03/25	SC	30 - 150 %
% TCMX	56		%	2	10/03/25	SC	30 - 150 %
% TCMX (Confirmation)	56		%	2	10/03/25	SC	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.4	ug/Kg	2	10/03/25	AW	SW8081B
4,4' -DDE	ND	2.4	ug/Kg	2	10/03/25	AW	SW8081B
4,4' -DDT	ND	2.4	ug/Kg	2	10/03/25	AW	SW8081B
a-BHC	ND	7.9	ug/Kg	2	10/03/25	AW	SW8081B
a-Chlordane	ND	3.9	ug/Kg	2	10/03/25	AW	SW8081B
Aldrin	ND	3.9	ug/Kg	2	10/03/25	AW	SW8081B
b-BHC	ND	7.9	ug/Kg	2	10/03/25	AW	SW8081B
Chlordane	ND	39	ug/Kg	2	10/03/25	AW	SW8081B
d-BHC	ND	7.9	ug/Kg	2	10/03/25	AW	SW8081B
Dieldrin	ND	3.9	ug/Kg	2	10/03/25	AW	SW8081B
Endosulfan I	ND	7.9	ug/Kg	2	10/03/25	AW	SW8081B
Endosulfan II	ND	7.9	ug/Kg	2	10/03/25	AW	SW8081B
Endosulfan sulfate	ND	7.9	ug/Kg	2	10/03/25	AW	SW8081B
Endrin	ND	7.9	ug/Kg	2	10/03/25	AW	SW8081B
Endrin aldehyde	ND	7.9	ug/Kg	2	10/03/25	AW	SW8081B
Endrin ketone	ND	7.9	ug/Kg	2	10/03/25	AW	SW8081B
g-BHC	ND	1.6	ug/Kg	2	10/03/25	AW	SW8081B
g-Chlordane	ND	3.9	ug/Kg	2	10/03/25	AW	SW8081B
Heptachlor	ND	7.9	ug/Kg	2	10/03/25	AW	SW8081B
Heptachlor epoxide	ND	7.9	ug/Kg	2	10/03/25	AW	SW8081B
Methoxychlor	ND	39	ug/Kg	2	10/03/25	AW	SW8081B
Toxaphene	ND	160	ug/Kg	2	10/03/25	AW	SW8081B
QA/QC Surrogates							
% DCBP	55		%	2	10/03/25	AW	30 - 150 %
% DCBP (Confirmation)	53		%	2	10/03/25	AW	30 - 150 %
% TCMX	44		%	2	10/03/25	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
% TCMX (Confirmation)	50		%	2	10/03/25	AW	30 - 150 %	
TCLP Herbicides								
2,4,5-TP (Silvex)	ND	50	ug/L	10	09/30/25	JRB	SW846 1311/8151	
2,4-D	ND	100	ug/L	10	09/30/25	JRB	SW846 1311/8151	
QA/QC Surrogates								
% DCAA	68		%	10	09/30/25	JRB	30 - 150 %	
% DCAA (Confirmation)	71		%	10	09/30/25	JRB	30 - 150 %	
TCLP Pesticides								
4,4' -DDD	ND	1.0	ug/L	10	10/01/25	AW	SW8081B	
4,4' -DDE	ND	1.0	ug/L	10	10/01/25	AW	SW8081B	
4,4' -DDT	ND	1.0	ug/L	10	10/01/25	AW	SW8081B	
a-BHC	ND	0.50	ug/L	10	10/01/25	AW	SW8081B	
Alachlor	ND	0.50	ug/L	10	10/01/25	AW	SW8081B	1
Aldrin	ND	0.50	ug/L	10	10/01/25	AW	SW8081B	
b-BHC	ND	0.50	ug/L	10	10/01/25	AW	SW8081B	
Chlordane	ND	5.0	ug/L	10	10/01/25	AW	SW8081B	
d-BHC	ND	0.50	ug/L	10	10/01/25	AW	SW8081B	
Dieldrin	ND	1.0	ug/L	10	10/01/25	AW	SW8081B	
Endosulfan I	ND	0.50	ug/L	10	10/01/25	AW	SW8081B	
Endosulfan II	ND	1.0	ug/L	10	10/01/25	AW	SW8081B	
Endosulfan Sulfate	ND	1.0	ug/L	10	10/01/25	AW	SW8081B	
Endrin	ND	1.0	ug/L	10	10/01/25	AW	SW8081B	
Endrin Aldehyde	ND	1.0	ug/L	10	10/01/25	AW	SW8081B	
g-BHC (Lindane)	ND	0.50	ug/L	10	10/01/25	AW	SW8081B	
Heptachlor	ND	0.50	ug/L	10	10/01/25	AW	SW8081B	
Heptachlor epoxide	ND	0.50	ug/L	10	10/01/25	AW	SW8081B	
Methoxychlor	ND	0.50	ug/L	10	10/01/25	AW	SW8081B	
Toxaphene	ND	20	ug/L	10	10/01/25	AW	SW8081B	
QA/QC Surrogates								
%DCBP (Surrogate Rec)	85		%	10	10/01/25	AW	30 - 150 %	
%DCBP (Surrogate Rec) (Confirmation)	60		%	10	10/01/25	AW	30 - 150 %	
%TCMX (Surrogate Rec)	69		%	10	10/01/25	AW	30 - 150 %	
%TCMX (Surrogate Rec) (Confirmation)	77		%	10	10/01/25	AW	30 - 150 %	
TPH DRO (C10-C28)								
Diesel Range Organics (C10-C28)	ND	60	mg/Kg	1	10/03/25	JRB	SW8015D DRO	
QA/QC Surrogates								
% Terphenyl-d14	55		%	1	10/03/25	JRB	50 - 150 %	
% Tricosane(C23)	66		%	1	10/03/25	JRB	50 - 150 %	
Volatiles (TCL)								
1,1,1-Trichloroethane	ND	L 6.2	ug/kg	1	09/30/25	JLI	SW8260D	
1,1,2,2-Tetrachloroethane	ND	L 6.2	ug/kg	1	09/30/25	JLI	SW8260D	
1,1,2-Trichloroethane	ND	L 6.2	ug/kg	1	09/30/25	JLI	SW8260D	
1,1-Dichloroethane	ND	L 6.2	ug/kg	1	09/30/25	JLI	SW8260D	
1,1-Dichloroethene	ND	L 6.2	ug/kg	1	09/30/25	JLI	SW8260D	
1,2,3-Trichlorobenzene	ND	L 6.2	ug/kg	1	09/30/25	JLI	SW8260D	
1,2,4-Trichlorobenzene	ND	L 6.2	ug/kg	1	09/30/25	JLI	SW8260D	

Project ID: EAST SIDE COASTAL RESILIENCY
Client ID: DEP 111

Phoenix I.D.: CU36210

Parameter	Result		RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,2,4-Trimethylbenzene	ND	L	6.2	ug/kg	1	09/30/25	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	L	6.2	ug/kg	1	09/30/25	JLI	SW8260D
1,2-Dibromoethane	ND	L	6.2	ug/kg	1	09/30/25	JLI	SW8260D
1,2-Dichlorobenzene	ND	L	6.2	ug/kg	1	09/30/25	JLI	SW8260D
1,2-Dichloroethane	ND	L	6.2	ug/kg	1	09/30/25	JLI	SW8260D
1,2-Dichloropropane	ND	L	6.2	ug/kg	1	09/30/25	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	L	6.2	ug/kg	1	09/30/25	JLI	SW8260D
1,3-Dichlorobenzene	ND	L	6.2	ug/kg	1	09/30/25	JLI	SW8260D
1,4-Dichlorobenzene	ND	L	6.2	ug/kg	1	09/30/25	JLI	SW8260D
2-Hexanone	ND	L	31	ug/kg	1	09/30/25	JLI	SW8260D
4-Methyl-2-pentanone	ND	L	31	ug/kg	1	09/30/25	JLI	SW8260D
Acetone	ND	L	50	ug/kg	1	09/30/25	JLI	SW8260D
Benzene	ND	L	6.2	ug/kg	1	09/30/25	JLI	SW8260D
Bromochloromethane	ND	L	6.2	ug/kg	1	09/30/25	JLI	SW8260D
Bromodichloromethane	ND	L	6.2	ug/kg	1	09/30/25	JLI	SW8260D
Bromoform	ND	L	6.2	ug/kg	1	09/30/25	JLI	SW8260D
Bromomethane	ND	L	6.2	ug/kg	1	09/30/25	JLI	SW8260D
Carbon Disulfide	ND	L	6.2	ug/kg	1	09/30/25	JLI	SW8260D
Carbon tetrachloride	ND	L	6.2	ug/kg	1	09/30/25	JLI	SW8260D
Chlorobenzene	ND	L	6.2	ug/kg	1	09/30/25	JLI	SW8260D
Chloroethane	ND	L	6.2	ug/kg	1	09/30/25	JLI	SW8260D
Chloroform	ND	L	6.2	ug/kg	1	09/30/25	JLI	SW8260D
Chloromethane	ND	L	6.2	ug/kg	1	09/30/25	JLI	SW8260D
cis-1,2-Dichloroethene	ND	L	6.2	ug/kg	1	09/30/25	JLI	SW8260D
cis-1,3-Dichloropropene	ND	L	6.2	ug/kg	1	09/30/25	JLI	SW8260D
Cyclohexane	ND	L	6.2	ug/kg	1	09/30/25	JLI	SW8260D
Dibromochloromethane	ND	L	6.2	ug/kg	1	09/30/25	JLI	SW8260D
Dichlorodifluoromethane	ND	L	6.2	ug/kg	1	09/30/25	JLI	SW8260D
Ethylbenzene	ND	L	6.2	ug/kg	1	09/30/25	JLI	SW8260D
Isopropylbenzene	ND	L	6.2	ug/kg	1	09/30/25	JLI	SW8260D
m&p-Xylene	ND	L	6.2	ug/kg	1	09/30/25	JLI	SW8260D
Methyl ethyl ketone	ND	L	37	ug/kg	1	09/30/25	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	L	12	ug/kg	1	09/30/25	JLI	SW8260D
Methylacetate	ND	L	62	ug/kg	1	09/30/25	JLI	SW8260D
Methylcyclohexane	ND	L	6.2	ug/kg	1	09/30/25	JLI	SW8260D
Methylene chloride	ND	L	31	ug/kg	1	09/30/25	JLI	SW8260D
o-Xylene	ND	L	6.2	ug/kg	1	09/30/25	JLI	SW8260D
Styrene	ND	L	6.2	ug/kg	1	09/30/25	JLI	SW8260D
Tetrachloroethene	ND	L	6.2	ug/kg	1	09/30/25	JLI	SW8260D
Toluene	ND	L	6.2	ug/kg	1	09/30/25	JLI	SW8260D
Total Xylenes	ND		6.2	ug/kg	1	09/30/25	JLI	SW8260D
trans-1,2-Dichloroethene	ND	L	6.2	ug/kg	1	09/30/25	JLI	SW8260D
trans-1,3-Dichloropropene	ND	L	6.2	ug/kg	1	09/30/25	JLI	SW8260D
Trichloroethene	ND	L	6.2	ug/kg	1	09/30/25	JLI	SW8260D
Trichlorofluoromethane	ND	L	6.2	ug/kg	1	09/30/25	JLI	SW8260D
Trichlorotrifluoroethane	ND	L	6.2	ug/kg	1	09/30/25	JLI	SW8260D
Vinyl chloride	ND	L	6.2	ug/kg	1	09/30/25	JLI	SW8260D
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	103			%	1	09/30/25	JLI	70 - 130 %

Parameter	Result		RL/ PQL	Units	Dilution	Date/Time	By	Reference	
% Bromofluorobenzene	90			%	1	09/30/25	JLI	70 - 130 %	
% Dibromofluoromethane	95			%	1	09/30/25	JLI	70 - 130 %	
% Toluene-d8	90			%	1	09/30/25	JLI	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	L	93	ug/kg	1	09/30/25	JLI	SW8260D	
Volatiles									
1,2,3-Trichloropropane	ND	L	6.2	ug/Kg	1	09/30/25	JLI	SW8260D	
1,2,4-Trimethylbenzene	ND	L	6.2	ug/Kg	1	09/30/25	JLI	SW8260D	
1,3,5-Trimethylbenzene	ND	L	6.2	ug/Kg	1	09/30/25	JLI	SW8260D	
1,3-Dichloropropane	ND	L	6.2	ug/Kg	1	09/30/25	JLI	SW8260D	
n-Butylbenzene	ND	L	6.2	ug/Kg	1	09/30/25	JLI	SW8260D	
n-Propylbenzene	ND	L	6.2	ug/Kg	1	09/30/25	JLI	SW8260D	
p-Isopropyltoluene	ND	L	6.2	ug/Kg	1	09/30/25	JLI	SW8260D	
sec-Butylbenzene	ND	L	6.2	ug/Kg	1	09/30/25	JLI	SW8260D	
tert-Butylbenzene	ND	L	6.2	ug/Kg	1	09/30/25	JLI	SW8260D	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	103			%	1	09/30/25	JLI	70 - 130 %	
% Bromofluorobenzene	90			%	1	09/30/25	JLI	70 - 130 %	
% Dibromofluoromethane	95			%	1	09/30/25	JLI	70 - 130 %	
% Toluene-d8	90			%	1	09/30/25	JLI	70 - 130 %	
TCLP Volatiles									
1,1-Dichloroethene	ND		50	ug/L	10	09/29/25	V	SW846 1311/8260	
1,2-Dichloroethane	ND		50	ug/L	10	09/29/25	V	SW846 1311/8260	
1,4-Dichlorobenzene	ND		50	ug/L	10	09/29/25	V	SW846 1311/8260	
Benzene	ND		50	ug/L	10	09/29/25	V	SW846 1311/8260	
Carbon tetrachloride	ND		50	ug/L	10	09/29/25	V	SW846 1311/8260	
Chlorobenzene	ND		50	ug/L	10	09/29/25	V	SW846 1311/8260	
Chloroform	ND		50	ug/L	10	09/29/25	V	SW846 1311/8260	
Methyl ethyl ketone	ND		50	ug/L	10	09/29/25	V	SW846 1311/8260	
Tetrachloroethene	ND		50	ug/L	10	09/29/25	V	SW846 1311/8260	
Trichloroethene	ND		50	ug/L	10	09/29/25	V	SW846 1311/8260	
Vinyl chloride	ND		50	ug/L	10	09/29/25	V	SW846 1311/8260	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4 (10x)	99			%	10	09/29/25	V	70 - 130 %	
% Bromofluorobenzene (10x)	95			%	10	09/29/25	V	70 - 130 %	
% Dibromofluoromethane (10x)	105			%	10	09/29/25	V	70 - 130 %	
% Toluene-d8 (10x)	95			%	10	09/29/25	V	70 - 130 %	
Volatile Library Search	Completed					10/01/25	JLI		
Semivolatiles									
1,1-Biphenyl	ND		280	ug/Kg	1	10/03/25	MR	SW8270E	
1,2,4,5-Tetrachlorobenzene	ND		280	ug/Kg	1	10/03/25	MR	SW8270E	
2,2'-Oxybis(1-Chloropropane)	ND		280	ug/Kg	1	10/03/25	MR	SW8270E	1
2,3,4,6-tetrachlorophenol	ND		280	ug/Kg	1	10/03/25	MR	SW8270E	
2,4,5-Trichlorophenol	ND		280	ug/Kg	1	10/03/25	MR	SW8270E	
2,4,6-Trichlorophenol	ND		280	ug/Kg	1	10/03/25	MR	SW8270E	

Project ID: EAST SIDE COASTAL RESILIENCY
Client ID: DEP 111

Phoenix I.D.: CU36210

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
2,4-Dichlorophenol	ND	280	ug/Kg	1	10/03/25	MR	SW8270E	
2,4-Dimethylphenol	ND	280	ug/Kg	1	10/03/25	MR	SW8270E	
2,4-Dinitrophenol	ND	640	ug/Kg	1	10/03/25	MR	SW8270E	
2,4-Dinitrotoluene	ND	280	ug/Kg	1	10/03/25	MR	SW8270E	
2,6-Dinitrotoluene	ND	280	ug/Kg	1	10/03/25	MR	SW8270E	
2-Chloronaphthalene	ND	280	ug/Kg	1	10/03/25	MR	SW8270E	
2-Chlorophenol	ND	280	ug/Kg	1	10/03/25	MR	SW8270E	
2-Methylnaphthalene	ND	280	ug/Kg	1	10/03/25	MR	SW8270E	
2-Methylphenol (o-cresol)	ND	280	ug/Kg	1	10/03/25	MR	SW8270E	
2-Nitroaniline	ND	640	ug/Kg	1	10/03/25	MR	SW8270E	
2-Nitrophenol	ND	280	ug/Kg	1	10/03/25	MR	SW8270E	
3&4-Methylphenol (m&p-cresol)	ND	330	ug/Kg	1	10/03/25	MR	SW8270E	1
3,3'-Dichlorobenzidine	ND	480	ug/Kg	1	10/03/25	MR	SW8270E	
3-Nitroaniline	ND	640	ug/Kg	1	10/03/25	MR	SW8270E	
4,6-Dinitro-2-methylphenol	ND	1200	ug/Kg	1	10/03/25	MR	SW8270E	
4-Bromophenyl phenyl ether	ND	400	ug/Kg	1	10/03/25	MR	SW8270E	
4-Chloro-3-methylphenol	ND	280	ug/Kg	1	10/03/25	MR	SW8270E	
4-Chloroaniline	ND	280	ug/Kg	1	10/03/25	MR	SW8270E	
4-Chlorophenyl phenyl ether	ND	280	ug/Kg	1	10/03/25	MR	SW8270E	
4-Nitroaniline	ND	640	ug/Kg	1	10/03/25	MR	SW8270E	
4-Nitrophenol	ND	1200	ug/Kg	1	10/03/25	MR	SW8270E	
Acenaphthene	ND	280	ug/Kg	1	10/03/25	MR	SW8270E	
Acenaphthylene	ND	280	ug/Kg	1	10/03/25	MR	SW8270E	
Acetophenone	ND	280	ug/Kg	1	10/03/25	MR	SW8270E	
Anthracene	ND	280	ug/Kg	1	10/03/25	MR	SW8270E	
Atrazine	ND	280	ug/Kg	1	10/03/25	MR	SW8270E	
Benz(a)anthracene	580	280	ug/Kg	1	10/03/25	MR	SW8270E	
Benzaldehyde	ND	280	ug/Kg	1	10/03/25	MR	SW8270E	
Benzo(a)pyrene	550	280	ug/Kg	1	10/03/25	MR	SW8270E	
Benzo(b)fluoranthene	650	280	ug/Kg	1	10/03/25	MR	SW8270E	
Benzo(ghi)perylene	360	280	ug/Kg	1	10/03/25	MR	SW8270E	
Benzo(k)fluoranthene	ND	280	ug/Kg	1	10/03/25	MR	SW8270E	
Benzyl butyl phthalate	ND	280	ug/Kg	1	10/03/25	MR	SW8270E	
Bis(2-chloroethoxy)methane	ND	280	ug/Kg	1	10/03/25	MR	SW8270E	
Bis(2-chloroethyl)ether	ND	400	ug/Kg	1	10/03/25	MR	SW8270E	
Bis(2-ethylhexyl)phthalate	ND	280	ug/Kg	1	10/03/25	MR	SW8270E	
Caprolactam	ND	280	ug/Kg	1	10/03/25	MR	SW8270E	
Carbazole	ND	400	ug/Kg	1	10/03/25	MR	SW8270E	
Chrysene	560	280	ug/Kg	1	10/03/25	MR	SW8270E	
Dibenz(a,h)anthracene	ND	200	ug/Kg	1	10/03/25	MR	SW8270E	
Dibenzofuran	ND	280	ug/Kg	1	10/03/25	MR	SW8270E	
Diethyl phthalate	ND	280	ug/Kg	1	10/03/25	MR	SW8270E	
Dimethylphthalate	ND	280	ug/Kg	1	10/03/25	MR	SW8270E	
Di-n-butylphthalate	ND	800	ug/Kg	1	10/03/25	MR	SW8270E	
Di-n-octylphthalate	ND	280	ug/Kg	1	10/03/25	MR	SW8270E	
Fluoranthene	1100	280	ug/Kg	1	10/03/25	MR	SW8270E	
Fluorene	ND	280	ug/Kg	1	10/03/25	MR	SW8270E	
Hexachlorobenzene	ND	280	ug/Kg	1	10/03/25	MR	SW8270E	
Hexachlorobutadiene	ND	280	ug/Kg	1	10/03/25	MR	SW8270E	

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Hexachlorocyclopentadiene	ND	280	ug/Kg	1	10/03/25	MR	SW8270E
Hexachloroethane	ND	280	ug/Kg	1	10/03/25	MR	SW8270E
Indeno(1,2,3-cd)pyrene	370	280	ug/Kg	1	10/03/25	MR	SW8270E
Isophorone	ND	280	ug/Kg	1	10/03/25	MR	SW8270E
Naphthalene	ND	280	ug/Kg	1	10/03/25	MR	SW8270E
Nitrobenzene	ND	280	ug/Kg	1	10/03/25	MR	SW8270E
N-Nitrosodimethylamine	ND	400	ug/Kg	1	10/03/25	MR	SW8270E
N-Nitrosodi-n-propylamine	ND	200	ug/Kg	1	10/03/25	MR	SW8270E
N-Nitrosodiphenylamine	ND	400	ug/Kg	1	10/03/25	MR	SW8270E
Pentachlorophenol	ND	400	ug/Kg	1	10/03/25	MR	SW8270E
Phenanthrene	750	280	ug/Kg	1	10/03/25	MR	SW8270E
Phenol	ND	280	ug/Kg	1	10/03/25	MR	SW8270E
Pyrene	1200	280	ug/Kg	1	10/03/25	MR	SW8270E
QA/QC Surrogates							
% 2,4,6-Tribromophenol	64		%	1	10/03/25	MR	30 - 130 %
% 2-Fluorobiphenyl	59		%	1	10/03/25	MR	30 - 130 %
% 2-Fluorophenol	60		%	1	10/03/25	MR	30 - 130 %
% Nitrobenzene-d5	57		%	1	10/03/25	MR	30 - 130 %
% Phenol-d5	62		%	1	10/03/25	MR	30 - 130 %
% Terphenyl-d14	67		%	1	10/03/25	MR	30 - 130 %

TCLP Acid/Base-Neutral

1,4-Dichlorobenzene	ND	83	ug/L	1	09/29/25	MR	SW-846 1311/8270
2,4,5-Trichlorophenol	ND	83	ug/L	1	09/29/25	MR	SW-846 1311/8270
2,4,6-Trichlorophenol	ND	83	ug/L	1	09/29/25	MR	SW-846 1311/8270
2,4-Dinitrotoluene	ND	83	ug/L	1	09/29/25	MR	SW-846 1311/8270
2-Methylphenol (o-cresol)	ND	83	ug/L	1	09/29/25	MR	SW-846 1311/8270
3&4-Methylphenol (m&p-Cresol)	ND	83	ug/L	1	09/29/25	MR	SW-846 1311/8270
Hexachlorobenzene	ND	83	ug/L	1	09/29/25	MR	SW-846 1311/8270
Hexachlorobutadiene	ND	83	ug/L	1	09/29/25	MR	SW-846 1311/8270
Hexachloroethane	ND	83	ug/L	1	09/29/25	MR	SW-846 1311/8270
Nitrobenzene	ND	83	ug/L	1	09/29/25	MR	SW-846 1311/8270
Pentachlorophenol	ND	83	ug/L	1	09/29/25	MR	SW-846 1311/8270
Pyridine	ND	83	ug/L	1	09/29/25	MR	SW-846 1311/8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	102		%	1	09/29/25	MR	15 - 110 %
% 2-Fluorobiphenyl	80		%	1	09/29/25	MR	30 - 130 %
% 2-Fluorophenol	83		%	1	09/29/25	MR	15 - 110 %
% Nitrobenzene-d5	86		%	1	09/29/25	MR	30 - 130 %
% Phenol-d5	75		%	1	09/29/25	MR	15 - 110 %
% Terphenyl-d14	94		%	1	09/29/25	MR	30 - 130 %
Semivolatile Library Search	Completed				10/03/25	MR	

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

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

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

Comments:

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

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

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

Corrosivity is based solely on the pH analysis performed above.

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.

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

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

Hexavalent Chromium:
This sample is in a reducing state.

Volatile Comment:
L flag signifies that this sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

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.

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.

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
October 07, 2025

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

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

October 07, 2025

FOR: Attn: Mr. Brian Pendergast
American Environmental Solutions, Inc
42 West Avenue
Patchogue, NY 11772

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/25/25	
Location Code:	AES-EASTSIDE	Received by:	CP	09/26/25	19:07
Rush Request:	5 Day	Analyzed by:	see "By" below		
P.O.#:	0897				

Laboratory Data

SDG ID: GCU36210
Phoenix ID: CU36211

Project ID: EAST SIDE COASTAL RESILIENCY
Client ID: DEP 110

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.35	0.35	mg/Kg	1	10/01/25	CPP	SW6010D
Aluminum	5410	5.3	mg/Kg	1	10/01/25	CPP	SW6010D
Arsenic	6.81	0.70	mg/Kg	1	10/01/25	CPP	SW6010D
Barium	161	0.35	mg/Kg	1	10/01/25	CPP	SW6010D
Beryllium	< 0.28	0.28	mg/Kg	1	10/01/25	CPP	SW6010D
Calcium	22900	53	mg/Kg	10	10/01/25	CPP	SW6010D
Cadmium	0.40	0.35	mg/Kg	1	10/01/25	CPP	SW6010D
Cobalt	4.75	0.35	mg/Kg	1	10/01/25	CPP	SW6010D
Chromium	28.1	0.35	mg/Kg	1	10/01/25	CPP	SW6010D
Copper	149	0.7	mg/kg	1	10/01/25	CPP	SW6010D
Iron	13900	5.3	mg/Kg	1	10/01/25	CPP	SW6010D
Mercury	0.530	0.084	mg/Kg	1	09/29/25	AJ1	SW7473
Potassium	1440	53	mg/Kg	10	10/01/25	CPP	SW6010D
Magnesium	6610	5.3	mg/Kg	1	10/01/25	CPP	SW6010D
Manganese	261	0.35	mg/Kg	1	10/01/25	TH	SW6010D
Sodium	705	5.3	mg/Kg	1	10/01/25	CPP	SW6010D
Nickel	16.7	0.35	mg/Kg	1	10/01/25	CPP	SW6010D
Lead	426	0.35	mg/Kg	1	10/01/25	CPP	SW6010D
Antimony	8.8	3.5	mg/Kg	1	10/01/25	CPP	SW6010D
Selenium	< 1.4	1.4	mg/Kg	1	10/01/25	CPP	SW6010D
TCLP Silver	< 0.10	0.10	mg/L	1	09/29/25	CPP	SW846 1311/6010
TCLP Arsenic	< 0.10	0.10	mg/L	1	09/29/25	CPP	SW846 1311/6010
TCLP Barium	0.58	0.10	mg/L	1	09/29/25	CPP	SW846 1311/6010
TCLP Cadmium	< 0.050	0.050	mg/L	1	09/29/25	CPP	SW846 1311/6010
TCLP Chromium	< 0.10	0.10	mg/L	1	09/29/25	CPP	SW846 1311/6010
TCLP Mercury	< 0.0002	0.0002	mg/L	1	09/29/25	AJ1	SW846 1311/7470
TCLP Lead	0.34	0.10	mg/L	1	09/29/25	CPP	SW846 1311/6010
TCLP Selenium	< 0.10	0.10	mg/L	1	09/29/25	CPP	SW846 1311/6010D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Thallium	< 3.2	3.2	mg/Kg	1	10/01/25	CPP	SW6010D	
TCLP Metals Digestion	Completed				09/29/25	AK/GW	SW3010A	
Vanadium	27.7	0.35	mg/Kg	1	10/01/25	CPP	SW6010D	
Zinc	230	0.7	mg/Kg	1	10/01/25	CPP	SW6010D	
Percent Solid	89		%		09/26/25	N	SW846-%Solid	
Corrosivity	Negative		Pos/Neg	1	09/26/25	KG	SW846-Corr	1
Flash Point	>200	200	Degree F	1	09/29/25	G	SW1010B	
Chromium, Hex. (SW3060A digestion	< 0.40	0.40	mg/Kg	1	09/29/25	NP	SW7196A	
Ignitability	Passed	140	degree F	1	09/29/25	G	SW846-Ignit	1
pH at 21C - Soil	9.44	1.00	pH Units	1	09/26/25 23:04	KG	SW846 9045D	
Reactivity Cyanide	< 5	5	mg/Kg	1	10/01/25	IH/GD	SW846 7.3.3.1/90	1
Reactivity Sulfide	< 20	20	mg/Kg	1	10/01/25	IH/GD	SW846 CH7	1
Reactivity	Negative		Pos/Neg	1	10/01/25	IH/GD	SW846-React	1
Redox Potential	168		mV	1	09/26/25	KG	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	< 0.56	0.56	mg/Kg	1	10/01/25	J/K/K/G	SW9012B	
Extraction of NY ETPH	Completed				10/02/25	C/Q	SW3546	
Soil Extraction for Herbicide	Completed				09/28/25	Y/D	SW3546	
NJ EPH Extraction	Completed				10/01/25	S/A	NJDEP 10-08 R3	
Soil Extraction for PCB	Completed				10/02/25	C/Z	SW3546	
Soil Extraction for Pesticides	Completed				10/02/25	C/Z	SW3546	
Soil Extraction for SVOA	Completed				10/02/25	NG/U	SW3546	
TCLP Digestion Mercury	Completed				09/29/25	AK/GW	SW7470A	
TCLP Herbicides Extraction	Completed				09/29/25	CV/D	SW8150 MOD	
TCLP Extraction for Metals	Completed				09/26/25	AK	SW1311	
TCLP Extraction for Organics	Completed				09/26/25	AK	SW1311	
TCLP Pesticides Extraction	Completed				09/29/25	T/T	SW3510C	
TCLP Semi-Volatile Extraction	Completed				09/29/25	J/J	SW3510C	
TCLP Extraction Volatiles	Completed				09/26/25	CV	SW1311	
Total Metals Digest	Completed				09/28/25	N/AG	SW3050B	
NJ EPH Category 1 (Fuel #2/Diesel)								
>C28-C40	1900	90	mg/kg	10	10/03/25	JRB	NJEPH 10-08 R3	1
C9-C28	1100	180	mg/kg	10	10/03/25	JRB	NJEPH 10-08 R3	1
Total EPH	3000	90	mg/kg	10	10/03/25	JRB	NJEPH 10-08 R3	1
QA/QC Surrogates								
% COD (surr)	Diluted Out		%	10	10/03/25	JRB	40 - 140 %	
% Terphenyl (surr)	Diluted Out		%	10	10/03/25	JRB	40 - 140 %	
Gasoline Range Hydrocarbons (C6-C10)								
GRO (C6-C10)	ND L	6.3	mg/Kg	50	09/30/25	V	SW8015D GRO	
QA/QC Surrogates								
% 2,5-Dibromotoluene (FID)	114		%	50	09/30/25	V	70 - 130 %	
Chlorinated Herbicides								
2,4,5-T	ND	140	ug/Kg	10	09/29/25	JRB	SW8151A	
2,4,5-TP (Silvex)	ND	140	ug/Kg	10	09/29/25	JRB	SW8151A	
2,4-D	ND	280	ug/Kg	10	09/29/25	JRB	SW8151A	
2,4-DB	ND	1400	ug/Kg	10	09/29/25	JRB	SW8151A	
Dalapon	ND	140	ug/Kg	10	09/29/25	JRB	SW8151A	

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Dicamba	ND	140	ug/Kg	10	09/29/25	JRB	SW8151A
Dichloroprop	ND	280	ug/Kg	10	09/29/25	JRB	SW8151A
Dinoseb	ND	280	ug/Kg	10	09/29/25	JRB	SW8151A
QA/QC Surrogates							
% DCAA	57		%	10	09/29/25	JRB	30 - 150 %
% DCAA (Confirmation)	55		%	10	09/29/25	JRB	30 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	74	ug/Kg	2	10/03/25	SC	SW8082A
PCB-1221	ND	74	ug/Kg	2	10/03/25	SC	SW8082A
PCB-1232	ND	74	ug/Kg	2	10/03/25	SC	SW8082A
PCB-1242	ND	74	ug/Kg	2	10/03/25	SC	SW8082A
PCB-1248	ND	74	ug/Kg	2	10/03/25	SC	SW8082A
PCB-1254	ND	74	ug/Kg	2	10/03/25	SC	SW8082A
PCB-1260	ND	74	ug/Kg	2	10/03/25	SC	SW8082A
PCB-1262	ND	74	ug/Kg	2	10/03/25	SC	SW8082A
PCB-1268	ND	74	ug/Kg	2	10/03/25	SC	SW8082A
QA/QC Surrogates							
% DCBP	46		%	2	10/03/25	SC	30 - 150 %
% DCBP (Confirmation)	55		%	2	10/03/25	SC	30 - 150 %
% TCMX	46		%	2	10/03/25	SC	30 - 150 %
% TCMX (Confirmation)	44		%	2	10/03/25	SC	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.2	ug/Kg	2	10/03/25	AW	SW8081B
4,4' -DDE	ND	2.2	ug/Kg	2	10/03/25	AW	SW8081B
4,4' -DDT	ND	2.2	ug/Kg	2	10/03/25	AW	SW8081B
a-BHC	ND	7.4	ug/Kg	2	10/03/25	AW	SW8081B
a-Chlordane	ND	3.7	ug/Kg	2	10/03/25	AW	SW8081B
Aldrin	ND	3.7	ug/Kg	2	10/03/25	AW	SW8081B
b-BHC	ND	7.4	ug/Kg	2	10/03/25	AW	SW8081B
Chlordane	ND	37	ug/Kg	2	10/03/25	AW	SW8081B
d-BHC	ND	7.4	ug/Kg	2	10/03/25	AW	SW8081B
Dieldrin	ND	3.7	ug/Kg	2	10/03/25	AW	SW8081B
Endosulfan I	ND	7.4	ug/Kg	2	10/03/25	AW	SW8081B
Endosulfan II	ND	7.4	ug/Kg	2	10/03/25	AW	SW8081B
Endosulfan sulfate	ND	7.4	ug/Kg	2	10/03/25	AW	SW8081B
Endrin	ND	7.4	ug/Kg	2	10/03/25	AW	SW8081B
Endrin aldehyde	ND	7.4	ug/Kg	2	10/03/25	AW	SW8081B
Endrin ketone	ND	7.4	ug/Kg	2	10/03/25	AW	SW8081B
g-BHC	ND	1.5	ug/Kg	2	10/03/25	AW	SW8081B
g-Chlordane	ND	3.7	ug/Kg	2	10/03/25	AW	SW8081B
Heptachlor	ND	7.4	ug/Kg	2	10/03/25	AW	SW8081B
Heptachlor epoxide	ND	7.4	ug/Kg	2	10/03/25	AW	SW8081B
Methoxychlor	ND	37	ug/Kg	2	10/03/25	AW	SW8081B
Toxaphene	ND	150	ug/Kg	2	10/03/25	AW	SW8081B
QA/QC Surrogates							
% DCBP	48		%	2	10/03/25	AW	30 - 150 %
% DCBP (Confirmation)	62		%	2	10/03/25	AW	30 - 150 %
% TCMX	38		%	2	10/03/25	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
% TCMX (Confirmation)	40		%	2	10/03/25	AW	30 - 150 %	
TCLP Herbicides								
2,4,5-TP (Silvex)	ND	50	ug/L	10	09/30/25	JRB	SW846 1311/8151	
2,4-D	ND	100	ug/L	10	09/30/25	JRB	SW846 1311/8151	
QA/QC Surrogates								
% DCAA	54		%	10	09/30/25	JRB	30 - 150 %	
% DCAA (Confirmation)	68		%	10	09/30/25	JRB	30 - 150 %	
TCLP Pesticides								
4,4' -DDD	ND	1.0	ug/L	10	10/01/25	AW	SW8081B	
4,4' -DDE	ND	1.0	ug/L	10	10/01/25	AW	SW8081B	
4,4' -DDT	ND	1.0	ug/L	10	10/01/25	AW	SW8081B	
a-BHC	ND	0.50	ug/L	10	10/01/25	AW	SW8081B	
Alachlor	ND	0.50	ug/L	10	10/01/25	AW	SW8081B	1
Aldrin	ND	0.50	ug/L	10	10/01/25	AW	SW8081B	
b-BHC	ND	0.50	ug/L	10	10/01/25	AW	SW8081B	
Chlordane	ND	5.0	ug/L	10	10/01/25	AW	SW8081B	
d-BHC	ND	0.50	ug/L	10	10/01/25	AW	SW8081B	
Dieldrin	ND	1.0	ug/L	10	10/01/25	AW	SW8081B	
Endosulfan I	ND	0.50	ug/L	10	10/01/25	AW	SW8081B	
Endosulfan II	ND	1.0	ug/L	10	10/01/25	AW	SW8081B	
Endosulfan Sulfate	ND	1.0	ug/L	10	10/01/25	AW	SW8081B	
Endrin	ND	1.0	ug/L	10	10/01/25	AW	SW8081B	
Endrin Aldehyde	ND	1.0	ug/L	10	10/01/25	AW	SW8081B	
g-BHC (Lindane)	ND	0.50	ug/L	10	10/01/25	AW	SW8081B	
Heptachlor	ND	0.50	ug/L	10	10/01/25	AW	SW8081B	
Heptachlor epoxide	ND	0.50	ug/L	10	10/01/25	AW	SW8081B	
Methoxychlor	ND	0.50	ug/L	10	10/01/25	AW	SW8081B	
Toxaphene	ND	20	ug/L	10	10/01/25	AW	SW8081B	
QA/QC Surrogates								
%DCBP (Surrogate Rec)	93		%	10	10/01/25	AW	30 - 150 %	
%DCBP (Surrogate Rec) (Confirmation)	64		%	10	10/01/25	AW	30 - 150 %	
%TCMX (Surrogate Rec)	77		%	10	10/01/25	AW	30 - 150 %	
%TCMX (Surrogate Rec) (Confirmation)	77		%	10	10/01/25	AW	30 - 150 %	
TPH DRO (C10-C28)								
Diesel Range Organics (C10-C28)	880	560	mg/Kg	10	10/03/25	JRB	SW8015D DRO	
QA/QC Surrogates								
% Terphenyl-d14	Diluted Out		%	10	10/03/25	JRB	50 - 150 %	
% Tricosane(C23)	Diluted Out		%	10	10/03/25	JRB	50 - 150 %	
Volatiles (TCL)								
1,1,1-Trichloroethane	ND	L 5.4	ug/kg	1	09/30/25	JLI	SW8260D	
1,1,2,2-Tetrachloroethane	ND	L 5.4	ug/kg	1	09/30/25	JLI	SW8260D	
1,1,2-Trichloroethane	ND	L 5.4	ug/kg	1	09/30/25	JLI	SW8260D	
1,1-Dichloroethane	ND	L 5.4	ug/kg	1	09/30/25	JLI	SW8260D	
1,1-Dichloroethene	ND	L 5.4	ug/kg	1	09/30/25	JLI	SW8260D	
1,2,3-Trichlorobenzene	ND	L 5.4	ug/kg	1	09/30/25	JLI	SW8260D	
1,2,4-Trichlorobenzene	ND	L 5.4	ug/kg	1	09/30/25	JLI	SW8260D	

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Parameter	Result		RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,2,4-Trimethylbenzene	ND	L	5.4	ug/kg	1	09/30/25	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	L	5.4	ug/kg	1	09/30/25	JLI	SW8260D
1,2-Dibromoethane	ND	L	5.4	ug/kg	1	09/30/25	JLI	SW8260D
1,2-Dichlorobenzene	ND	L	5.4	ug/kg	1	09/30/25	JLI	SW8260D
1,2-Dichloroethane	ND	L	5.4	ug/kg	1	09/30/25	JLI	SW8260D
1,2-Dichloropropane	ND	L	5.4	ug/kg	1	09/30/25	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	L	5.4	ug/kg	1	09/30/25	JLI	SW8260D
1,3-Dichlorobenzene	ND	L	5.4	ug/kg	1	09/30/25	JLI	SW8260D
1,4-Dichlorobenzene	ND	L	5.4	ug/kg	1	09/30/25	JLI	SW8260D
2-Hexanone	ND	L	27	ug/kg	1	09/30/25	JLI	SW8260D
4-Methyl-2-pentanone	ND	L	27	ug/kg	1	09/30/25	JLI	SW8260D
Acetone	ND	L	50	ug/kg	1	09/30/25	JLI	SW8260D
Benzene	ND	L	5.4	ug/kg	1	09/30/25	JLI	SW8260D
Bromochloromethane	ND	L	5.4	ug/kg	1	09/30/25	JLI	SW8260D
Bromodichloromethane	ND	L	5.4	ug/kg	1	09/30/25	JLI	SW8260D
Bromoform	ND	L	5.4	ug/kg	1	09/30/25	JLI	SW8260D
Bromomethane	ND	L	5.4	ug/kg	1	09/30/25	JLI	SW8260D
Carbon Disulfide	ND	L	5.4	ug/kg	1	09/30/25	JLI	SW8260D
Carbon tetrachloride	ND	L	5.4	ug/kg	1	09/30/25	JLI	SW8260D
Chlorobenzene	ND	L	5.4	ug/kg	1	09/30/25	JLI	SW8260D
Chloroethane	ND	L	5.4	ug/kg	1	09/30/25	JLI	SW8260D
Chloroform	ND	L	5.4	ug/kg	1	09/30/25	JLI	SW8260D
Chloromethane	ND	L	5.4	ug/kg	1	09/30/25	JLI	SW8260D
cis-1,2-Dichloroethene	ND	L	5.4	ug/kg	1	09/30/25	JLI	SW8260D
cis-1,3-Dichloropropene	ND	L	5.4	ug/kg	1	09/30/25	JLI	SW8260D
Cyclohexane	ND	L	5.4	ug/kg	1	09/30/25	JLI	SW8260D
Dibromochloromethane	ND	L	5.4	ug/kg	1	09/30/25	JLI	SW8260D
Dichlorodifluoromethane	ND	L	5.4	ug/kg	1	09/30/25	JLI	SW8260D
Ethylbenzene	ND	L	5.4	ug/kg	1	09/30/25	JLI	SW8260D
Isopropylbenzene	ND	L	5.4	ug/kg	1	09/30/25	JLI	SW8260D
m&p-Xylene	ND	L	5.4	ug/kg	1	09/30/25	JLI	SW8260D
Methyl ethyl ketone	ND	L	33	ug/kg	1	09/30/25	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	L	11	ug/kg	1	09/30/25	JLI	SW8260D
Methylacetate	ND	L	54	ug/kg	1	09/30/25	JLI	SW8260D
Methylcyclohexane	ND	L	5.4	ug/kg	1	09/30/25	JLI	SW8260D
Methylene chloride	ND	L	27	ug/kg	1	09/30/25	JLI	SW8260D
o-Xylene	ND	L	5.4	ug/kg	1	09/30/25	JLI	SW8260D
Styrene	ND	L	5.4	ug/kg	1	09/30/25	JLI	SW8260D
Tetrachloroethene	ND	L	5.4	ug/kg	1	09/30/25	JLI	SW8260D
Toluene	ND	L	5.4	ug/kg	1	09/30/25	JLI	SW8260D
Total Xylenes	ND		5.4	ug/kg	1	09/30/25	JLI	SW8260D
trans-1,2-Dichloroethene	ND	L	5.4	ug/kg	1	09/30/25	JLI	SW8260D
trans-1,3-Dichloropropene	ND	L	5.4	ug/kg	1	09/30/25	JLI	SW8260D
Trichloroethene	ND	L	5.4	ug/kg	1	09/30/25	JLI	SW8260D
Trichlorofluoromethane	ND	L	5.4	ug/kg	1	09/30/25	JLI	SW8260D
Trichlorotrifluoroethane	ND	L	5.4	ug/kg	1	09/30/25	JLI	SW8260D
Vinyl chloride	ND	L	5.4	ug/kg	1	09/30/25	JLI	SW8260D
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	101			%	1	09/30/25	JLI	70 - 130 %

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Parameter	Result		RL/ PQL	Units	Dilution	Date/Time	By	Reference	
% Bromofluorobenzene	83			%	1	09/30/25	JLI	70 - 130 %	
% Dibromofluoromethane	101			%	1	09/30/25	JLI	70 - 130 %	
% Toluene-d8	88			%	1	09/30/25	JLI	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	L	82	ug/kg	1	09/30/25	JLI	SW8260D	
Volatiles									
1,2,3-Trichloropropane	ND	L	5.4	ug/Kg	1	09/30/25	JLI	SW8260D	
1,2,4-Trimethylbenzene	ND	L	5.4	ug/Kg	1	09/30/25	JLI	SW8260D	
1,3,5-Trimethylbenzene	ND	L	5.4	ug/Kg	1	09/30/25	JLI	SW8260D	
1,3-Dichloropropane	ND	L	5.4	ug/Kg	1	09/30/25	JLI	SW8260D	
n-Butylbenzene	ND	L	5.4	ug/Kg	1	09/30/25	JLI	SW8260D	
n-Propylbenzene	ND	L	5.4	ug/Kg	1	09/30/25	JLI	SW8260D	
p-Isopropyltoluene	ND	L	5.4	ug/Kg	1	09/30/25	JLI	SW8260D	
sec-Butylbenzene	ND	L	5.4	ug/Kg	1	09/30/25	JLI	SW8260D	
tert-Butylbenzene	ND	L	5.4	ug/Kg	1	09/30/25	JLI	SW8260D	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	101			%	1	09/30/25	JLI	70 - 130 %	
% Bromofluorobenzene	83			%	1	09/30/25	JLI	70 - 130 %	
% Dibromofluoromethane	101			%	1	09/30/25	JLI	70 - 130 %	
% Toluene-d8	88			%	1	09/30/25	JLI	70 - 130 %	
TCLP Volatiles									
1,1-Dichloroethene	ND		50	ug/L	10	09/29/25	V	SW846 1311/8260	
1,2-Dichloroethane	ND		50	ug/L	10	09/29/25	V	SW846 1311/8260	
1,4-Dichlorobenzene	ND		50	ug/L	10	09/29/25	V	SW846 1311/8260	
Benzene	ND		50	ug/L	10	09/29/25	V	SW846 1311/8260	
Carbon tetrachloride	ND		50	ug/L	10	09/29/25	V	SW846 1311/8260	
Chlorobenzene	ND		50	ug/L	10	09/29/25	V	SW846 1311/8260	
Chloroform	ND		50	ug/L	10	09/29/25	V	SW846 1311/8260	
Methyl ethyl ketone	ND		50	ug/L	10	09/29/25	V	SW846 1311/8260	
Tetrachloroethene	ND		50	ug/L	10	09/29/25	V	SW846 1311/8260	
Trichloroethene	ND		50	ug/L	10	09/29/25	V	SW846 1311/8260	
Vinyl chloride	ND		50	ug/L	10	09/29/25	V	SW846 1311/8260	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4 (10x)	101			%	10	09/29/25	V	70 - 130 %	
% Bromofluorobenzene (10x)	94			%	10	09/29/25	V	70 - 130 %	
% Dibromofluoromethane (10x)	101			%	10	09/29/25	V	70 - 130 %	
% Toluene-d8 (10x)	94			%	10	09/29/25	V	70 - 130 %	
Volatile Library Search	Completed					10/01/25	JLI		
Semivolatiles									
1,1-Biphenyl	ND		260	ug/Kg	1	10/03/25	MR	SW8270E	
1,2,4,5-Tetrachlorobenzene	ND		260	ug/Kg	1	10/03/25	MR	SW8270E	
2,2'-Oxybis(1-Chloropropane)	ND		260	ug/Kg	1	10/03/25	MR	SW8270E	1
2,3,4,6-tetrachlorophenol	ND		260	ug/Kg	1	10/03/25	MR	SW8270E	
2,4,5-Trichlorophenol	ND		260	ug/Kg	1	10/03/25	MR	SW8270E	
2,4,6-Trichlorophenol	ND		260	ug/Kg	1	10/03/25	MR	SW8270E	

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Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
2,4-Dichlorophenol	ND	260	ug/Kg	1	10/03/25	MR	SW8270E	
2,4-Dimethylphenol	ND	260	ug/Kg	1	10/03/25	MR	SW8270E	
2,4-Dinitrophenol	ND	590	ug/Kg	1	10/03/25	MR	SW8270E	
2,4-Dinitrotoluene	ND	260	ug/Kg	1	10/03/25	MR	SW8270E	
2,6-Dinitrotoluene	ND	260	ug/Kg	1	10/03/25	MR	SW8270E	
2-Chloronaphthalene	ND	260	ug/Kg	1	10/03/25	MR	SW8270E	
2-Chlorophenol	ND	260	ug/Kg	1	10/03/25	MR	SW8270E	
2-Methylnaphthalene	ND	260	ug/Kg	1	10/03/25	MR	SW8270E	
2-Methylphenol (o-cresol)	ND	260	ug/Kg	1	10/03/25	MR	SW8270E	
2-Nitroaniline	ND	590	ug/Kg	1	10/03/25	MR	SW8270E	
2-Nitrophenol	ND	260	ug/Kg	1	10/03/25	MR	SW8270E	
3&4-Methylphenol (m&p-cresol)	ND	330	ug/Kg	1	10/03/25	MR	SW8270E	1
3,3'-Dichlorobenzidine	ND	440	ug/Kg	1	10/03/25	MR	SW8270E	
3-Nitroaniline	ND	590	ug/Kg	1	10/03/25	MR	SW8270E	
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	1	10/03/25	MR	SW8270E	
4-Bromophenyl phenyl ether	ND	370	ug/Kg	1	10/03/25	MR	SW8270E	
4-Chloro-3-methylphenol	ND	260	ug/Kg	1	10/03/25	MR	SW8270E	
4-Chloroaniline	ND	260	ug/Kg	1	10/03/25	MR	SW8270E	
4-Chlorophenyl phenyl ether	ND	260	ug/Kg	1	10/03/25	MR	SW8270E	
4-Nitroaniline	ND	590	ug/Kg	1	10/03/25	MR	SW8270E	
4-Nitrophenol	ND	1100	ug/Kg	1	10/03/25	MR	SW8270E	
Acenaphthene	310	260	ug/Kg	1	10/03/25	MR	SW8270E	
Acenaphthylene	ND	260	ug/Kg	1	10/03/25	MR	SW8270E	
Acetophenone	ND	260	ug/Kg	1	10/03/25	MR	SW8270E	
Anthracene	1100	260	ug/Kg	1	10/03/25	MR	SW8270E	
Atrazine	ND	260	ug/Kg	1	10/03/25	MR	SW8270E	
Benz(a)anthracene	2600	260	ug/Kg	1	10/03/25	MR	SW8270E	
Benzaldehyde	ND	260	ug/Kg	1	10/03/25	MR	SW8270E	
Benzo(a)pyrene	2700	260	ug/Kg	1	10/03/25	MR	SW8270E	
Benzo(b)fluoranthene	3500	260	ug/Kg	1	10/03/25	MR	SW8270E	
Benzo(ghi)perylene	1700	260	ug/Kg	1	10/03/25	MR	SW8270E	
Benzo(k)fluoranthene	1200	260	ug/Kg	1	10/03/25	MR	SW8270E	
Benzyl butyl phthalate	ND	260	ug/Kg	1	10/03/25	MR	SW8270E	
Bis(2-chloroethoxy)methane	ND	260	ug/Kg	1	10/03/25	MR	SW8270E	
Bis(2-chloroethyl)ether	ND	370	ug/Kg	1	10/03/25	MR	SW8270E	
Bis(2-ethylhexyl)phthalate	ND	260	ug/Kg	1	10/03/25	MR	SW8270E	
Caprolactam	ND	260	ug/Kg	1	10/03/25	MR	SW8270E	
Carbazole	ND	370	ug/Kg	1	10/03/25	MR	SW8270E	
Chrysene	2300	260	ug/Kg	1	10/03/25	MR	SW8270E	
Dibenz(a,h)anthracene	410	180	ug/Kg	1	10/03/25	MR	SW8270E	
Dibenzofuran	ND	260	ug/Kg	1	10/03/25	MR	SW8270E	
Diethyl phthalate	ND	260	ug/Kg	1	10/03/25	MR	SW8270E	
Dimethylphthalate	ND	260	ug/Kg	1	10/03/25	MR	SW8270E	
Di-n-butylphthalate	ND	740	ug/Kg	1	10/03/25	MR	SW8270E	
Di-n-octylphthalate	ND	260	ug/Kg	1	10/03/25	MR	SW8270E	
Fluoranthene	4600	260	ug/Kg	1	10/03/25	MR	SW8270E	
Fluorene	330	260	ug/Kg	1	10/03/25	MR	SW8270E	
Hexachlorobenzene	ND	260	ug/Kg	1	10/03/25	MR	SW8270E	
Hexachlorobutadiene	ND	260	ug/Kg	1	10/03/25	MR	SW8270E	

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Hexachlorocyclopentadiene	ND	260	ug/Kg	1	10/03/25	MR	SW8270E
Hexachloroethane	ND	260	ug/Kg	1	10/03/25	MR	SW8270E
Indeno(1,2,3-cd)pyrene	1900	260	ug/Kg	1	10/03/25	MR	SW8270E
Isophorone	ND	260	ug/Kg	1	10/03/25	MR	SW8270E
Naphthalene	ND	260	ug/Kg	1	10/03/25	MR	SW8270E
Nitrobenzene	ND	260	ug/Kg	1	10/03/25	MR	SW8270E
N-Nitrosodimethylamine	ND	370	ug/Kg	1	10/03/25	MR	SW8270E
N-Nitrosodi-n-propylamine	ND	180	ug/Kg	1	10/03/25	MR	SW8270E
N-Nitrosodiphenylamine	ND	370	ug/Kg	1	10/03/25	MR	SW8270E
Pentachlorophenol	ND	370	ug/Kg	1	10/03/25	MR	SW8270E
Phenanthrene	2800	260	ug/Kg	1	10/03/25	MR	SW8270E
Phenol	ND	260	ug/Kg	1	10/03/25	MR	SW8270E
Pyrene	4200	260	ug/Kg	1	10/03/25	MR	SW8270E
QA/QC Surrogates							
% 2,4,6-Tribromophenol	45		%	1	10/03/25	MR	30 - 130 %
% 2-Fluorobiphenyl	42		%	1	10/03/25	MR	30 - 130 %
% 2-Fluorophenol	51		%	1	10/03/25	MR	30 - 130 %
% Nitrobenzene-d5	50		%	1	10/03/25	MR	30 - 130 %
% Phenol-d5	53		%	1	10/03/25	MR	30 - 130 %
% Terphenyl-d14	46		%	1	10/03/25	MR	30 - 130 %
TCLP Acid/Base-Neutral							
1,4-Dichlorobenzene	ND	83	ug/L	1	09/29/25	MR	SW-846 1311/8270
2,4,5-Trichlorophenol	ND	83	ug/L	1	09/29/25	MR	SW-846 1311/8270
2,4,6-Trichlorophenol	ND	83	ug/L	1	09/29/25	MR	SW-846 1311/8270
2,4-Dinitrotoluene	ND	83	ug/L	1	09/29/25	MR	SW-846 1311/8270
2-Methylphenol (o-cresol)	ND	83	ug/L	1	09/29/25	MR	SW-846 1311/8270
3&4-Methylphenol (m&p-Cresol)	ND	83	ug/L	1	09/29/25	MR	SW-846 1311/8270
Hexachlorobenzene	ND	83	ug/L	1	09/29/25	MR	SW-846 1311/8270
Hexachlorobutadiene	ND	83	ug/L	1	09/29/25	MR	SW-846 1311/8270
Hexachloroethane	ND	83	ug/L	1	09/29/25	MR	SW-846 1311/8270
Nitrobenzene	ND	83	ug/L	1	09/29/25	MR	SW-846 1311/8270
Pentachlorophenol	ND	83	ug/L	1	09/29/25	MR	SW-846 1311/8270
Pyridine	ND	83	ug/L	1	09/29/25	MR	SW-846 1311/8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	97		%	1	09/29/25	MR	15 - 110 %
% 2-Fluorobiphenyl	77		%	1	09/29/25	MR	30 - 130 %
% 2-Fluorophenol	82		%	1	09/29/25	MR	15 - 110 %
% Nitrobenzene-d5	82		%	1	09/29/25	MR	30 - 130 %
% Phenol-d5	72		%	1	09/29/25	MR	15 - 110 %
% Terphenyl-d14	95		%	1	09/29/25	MR	30 - 130 %
Semivolatile Library Search	Completed				10/03/25	MR	

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

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

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

Comments:

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

Corrosivity is based solely on the pH analysis performed above.

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

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

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.

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

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

Hexavalent Chromium:
This sample is in a reducing state.

Volatile Comment:
L flag signifies that this sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

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.

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.

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
October 07, 2025

Ver 1

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

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

October 07, 2025

FOR: Attn: Mr. Brian Pendergast
American Environmental Solutions, Inc
42 West Avenue
Patchogue, NY 11772

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/25/25	
Location Code:	AES-EASTSIDE	Received by:	CP	09/26/25	19:07
Rush Request:	5 Day	Analyzed by:	see "By" below		
P.O.#:	0897				

Laboratory Data

SDG ID: GCU36210
Phoenix ID: CU36212

Project ID: EAST SIDE COASTAL RESILIENCY
Client ID: DEP 109

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.41	0.41	mg/Kg	1	10/01/25	CPP	SW6010D
Aluminum	5550	6.2	mg/Kg	1	10/01/25	CPP	SW6010D
Arsenic	21.4	0.82	mg/Kg	1	10/01/25	CPP	SW6010D
Barium	506	0.41	mg/Kg	1	10/01/25	CPP	SW6010D
Beryllium	0.80	0.33	mg/Kg	1	10/01/25	CPP	SW6010D
Calcium	5960	6.2	mg/Kg	1	10/01/25	CPP	SW6010D
Cadmium	1.16	0.41	mg/Kg	1	10/01/25	CPP	SW6010D
Cobalt	7.17	0.41	mg/Kg	1	10/01/25	CPP	SW6010D
Chromium	17.2	0.41	mg/Kg	1	10/01/25	CPP	SW6010D
Copper	412	0.8	mg/kg	1	10/01/25	CPP	SW6010D
Iron	27500	6.2	mg/Kg	1	10/01/25	CPP	SW6010D
Mercury	1.32	0.096	mg/Kg	1	09/29/25	AJ1	SW7473
Potassium	873	62	mg/Kg	10	10/01/25	CPP	SW6010D
Magnesium	788	6.2	mg/Kg	1	10/01/25	CPP	SW6010D
Manganese	202	0.41	mg/Kg	1	10/01/25	TH	SW6010D
Sodium	1650	6.2	mg/Kg	1	10/01/25	CPP	SW6010D
Nickel	20.1	0.41	mg/Kg	1	10/01/25	CPP	SW6010D
Lead	1800	0.41	mg/Kg	1	10/01/25	CPP	SW6010D
Antimony	5.2	4.1	mg/Kg	1	10/01/25	CPP	SW6010D
Selenium	< 3.2	3.2	mg/Kg	1	10/01/25	CPP	SW6010D
TCLP Silver	< 0.10	0.10	mg/L	1	09/29/25	CPP	SW846 1311/6010
TCLP Arsenic	< 0.10	0.10	mg/L	1	09/29/25	CPP	SW846 1311/6010
TCLP Barium	3.09	0.10	mg/L	1	09/29/25	CPP	SW846 1311/6010
TCLP Cadmium	< 0.050	0.050	mg/L	1	09/29/25	CPP	SW846 1311/6010
TCLP Chromium	< 0.10	0.10	mg/L	1	09/29/25	CPP	SW846 1311/6010
TCLP Mercury	< 0.0002	0.0002	mg/L	1	09/29/25	AJ1	SW846 1311/7470
TCLP Lead	17.7	0.10	mg/L	1	09/29/25	CPP	SW846 1311/6010
TCLP Selenium	< 0.10	0.10	mg/L	1	09/29/25	CPP	SW846 1311/6010D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Thallium	< 3.7	3.7	mg/Kg	1	10/01/25	CPP	SW6010D	
TCLP Metals Digestion	Completed				09/29/25	AK/GW	SW3010A	
Vanadium	21.7	0.41	mg/Kg	1	10/01/25	CPP	SW6010D	
Zinc	735	0.8	mg/Kg	1	10/01/25	CPP	SW6010D	
Percent Solid	78		%		09/26/25	N	SW846-%Solid	
Corrosivity	Negative		Pos/Neg	1	09/26/25	KG	SW846-Corr	1
Flash Point	>200	200	Degree F	1	09/29/25	G	SW1010B	
Chromium, Hex. (SW3060A digestion	< 1.0	1.0	mg/Kg	1	09/30/25	NP	SW7196A	
Ignitability	Passed	140	degree F	1	09/29/25	G	SW846-Ignit	1
pH at 21C - Soil	8.28	1.00	pH Units	1	09/26/25 23:04	KG	SW846 9045D	
Reactivity Cyanide	< 6	6	mg/Kg	1	10/01/25	IH/GD	SW846 7.3.3.1/90	1
Reactivity Sulfide	< 20	20	mg/Kg	1	10/01/25	IH/GD	SW846 CH7	1
Reactivity	Negative		Pos/Neg	1	10/01/25	IH/GD	SW846-React	1
Redox Potential	194		mV	1	09/26/25	KG	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	< 0.64	0.64	mg/Kg	1	10/01/25	J/K/K/G	SW9012B	
Extraction of NY ETPH	Completed				10/02/25	C/Q	SW3546	
Soil Extraction for Herbicide	Completed				09/28/25	Y/D	SW3546	
NJ EPH Extraction	Completed				10/01/25	S/A	NJDEP 10-08 R3	
Soil Extraction for PCB	Completed				10/02/25	C/Z	SW3546	
Soil Extraction for Pesticides	Completed				10/02/25	C/Z	SW3546	
Soil Extraction for SVOA	Completed				10/02/25	NG/U	SW3546	
TCLP Digestion Mercury	Completed				09/29/25	AK/GW	SW7470A	
TCLP Herbicides Extraction	Completed				09/29/25	CV/D	SW8150 MOD	
TCLP Extraction for Metals	Completed				09/26/25	AK	SW1311	
TCLP Extraction for Organics	Completed				09/26/25	AK	SW1311	
TCLP Pesticides Extraction	Completed				10/01/25	J/J	SW3510C	
TCLP Semi-Volatile Extraction	Completed				09/29/25	J/J	SW3510C	
TCLP Extraction Volatiles	Completed				09/26/25	CV	SW1311	
Total Metals Digest	Completed				09/28/25	N/AG	SW3050B	
NJ EPH Category 1 (Fuel #2/Diesel)								
>C28-C40	560	100	mg/kg	10	10/03/25	JRB	NJEPH 10-08 R3	1
C9-C28	340	200	mg/kg	10	10/03/25	JRB	NJEPH 10-08 R3	1
Total EPH	900	100	mg/kg	10	10/03/25	JRB	NJEPH 10-08 R3	1
QA/QC Surrogates								
% COD (surr)	Diluted Out		%	10	10/03/25	JRB	40 - 140 %	
% Terphenyl (surr)	Diluted Out		%	10	10/03/25	JRB	40 - 140 %	
Gasoline Range Hydrocarbons (C6-C10)								
GRO (C6-C10)	ND L	7.7	mg/Kg	50	09/30/25	V	SW8015D GRO	
QA/QC Surrogates								
% 2,5-Dibromotoluene (FID)	120		%	50	09/30/25	V	70 - 130 %	
Chlorinated Herbicides								
2,4,5-T	ND	210	ug/Kg	10	09/29/25	JRB	SW8151A	
2,4,5-TP (Silvex)	ND	210	ug/Kg	10	09/29/25	JRB	SW8151A	
2,4-D	ND	420	ug/Kg	10	09/29/25	JRB	SW8151A	
2,4-DB	ND	2100	ug/Kg	10	09/29/25	JRB	SW8151A	
Dalapon	ND	210	ug/Kg	10	09/29/25	JRB	SW8151A	

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Dicamba	ND	210	ug/Kg	10	09/29/25	JRB	SW8151A
Dichloroprop	ND	420	ug/Kg	10	09/29/25	JRB	SW8151A
Dinoseb	ND	420	ug/Kg	10	09/29/25	JRB	SW8151A
QA/QC Surrogates							
% DCAA	72		%	10	09/29/25	JRB	30 - 150 %
% DCAA (Confirmation)	54		%	10	09/29/25	JRB	30 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	85	ug/Kg	2	10/03/25	SC	SW8082A
PCB-1221	ND	85	ug/Kg	2	10/03/25	SC	SW8082A
PCB-1232	ND	85	ug/Kg	2	10/03/25	SC	SW8082A
PCB-1242	ND	85	ug/Kg	2	10/03/25	SC	SW8082A
PCB-1248	ND	85	ug/Kg	2	10/03/25	SC	SW8082A
PCB-1254	ND	85	ug/Kg	2	10/03/25	SC	SW8082A
PCB-1260	ND	85	ug/Kg	2	10/03/25	SC	SW8082A
PCB-1262	ND	85	ug/Kg	2	10/03/25	SC	SW8082A
PCB-1268	ND	85	ug/Kg	2	10/03/25	SC	SW8082A
QA/QC Surrogates							
% DCBP	49		%	2	10/03/25	SC	30 - 150 %
% DCBP (Confirmation)	48		%	2	10/03/25	SC	30 - 150 %
% TCMX	51		%	2	10/03/25	SC	30 - 150 %
% TCMX (Confirmation)	50		%	2	10/03/25	SC	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.5	ug/Kg	2	10/03/25	AW	SW8081B
4,4' -DDE	ND	2.5	ug/Kg	2	10/03/25	AW	SW8081B
4,4' -DDT	ND	2.5	ug/Kg	2	10/03/25	AW	SW8081B
a-BHC	ND	8.5	ug/Kg	2	10/03/25	AW	SW8081B
a-Chlordane	ND	4.2	ug/Kg	2	10/03/25	AW	SW8081B
Aldrin	ND	4.2	ug/Kg	2	10/03/25	AW	SW8081B
b-BHC	ND	8.5	ug/Kg	2	10/03/25	AW	SW8081B
Chlordane	ND	42	ug/Kg	2	10/03/25	AW	SW8081B
d-BHC	ND	8.5	ug/Kg	2	10/03/25	AW	SW8081B
Dieldrin	ND	4.2	ug/Kg	2	10/03/25	AW	SW8081B
Endosulfan I	ND	8.5	ug/Kg	2	10/03/25	AW	SW8081B
Endosulfan II	ND	8.5	ug/Kg	2	10/03/25	AW	SW8081B
Endosulfan sulfate	ND	8.5	ug/Kg	2	10/03/25	AW	SW8081B
Endrin	ND	8.5	ug/Kg	2	10/03/25	AW	SW8081B
Endrin aldehyde	ND	8.5	ug/Kg	2	10/03/25	AW	SW8081B
Endrin ketone	ND	8.5	ug/Kg	2	10/03/25	AW	SW8081B
g-BHC	ND	15	ug/Kg	2	10/03/25	AW	SW8081B
g-Chlordane	ND	4.2	ug/Kg	2	10/03/25	AW	SW8081B
Heptachlor	ND	8.5	ug/Kg	2	10/03/25	AW	SW8081B
Heptachlor epoxide	ND	8.5	ug/Kg	2	10/03/25	AW	SW8081B
Methoxychlor	ND	42	ug/Kg	2	10/03/25	AW	SW8081B
Toxaphene	ND	170	ug/Kg	2	10/03/25	AW	SW8081B
QA/QC Surrogates							
% DCBP	38		%	2	10/03/25	AW	30 - 150 %
% DCBP (Confirmation)	40		%	2	10/03/25	AW	30 - 150 %
% TCMX	38		%	2	10/03/25	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
% TCMX (Confirmation)	38		%	2	10/03/25	AW	30 - 150 %	
TCLP Herbicides								
2,4,5-TP (Silvex)	ND	50	ug/L	10	09/30/25	JRB	SW846 1311/8151	
2,4-D	ND	100	ug/L	10	09/30/25	JRB	SW846 1311/8151	
QA/QC Surrogates								
% DCAA	66		%	10	09/30/25	JRB	30 - 150 %	
% DCAA (Confirmation)	65		%	10	09/30/25	JRB	30 - 150 %	
TCLP Pesticides								
4,4' -DDD	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
4,4' -DDE	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
4,4' -DDT	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
a-BHC	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Alachlor	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	1
Aldrin	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
b-BHC	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Chlordane	ND	5.0	ug/L	10	10/02/25	AW	SW8081B	
d-BHC	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Dieldrin	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
Endosulfan I	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Endosulfan II	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
Endosulfan Sulfate	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
Endrin	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
Endrin Aldehyde	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
g-BHC (Lindane)	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Heptachlor	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Heptachlor epoxide	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Methoxychlor	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Toxaphene	ND	20	ug/L	10	10/02/25	AW	SW8081B	
QA/QC Surrogates								
%DCBP (Surrogate Rec)	93		%	10	10/02/25	AW	30 - 150 %	
%DCBP (Surrogate Rec) (Confirmation)	77		%	10	10/02/25	AW	30 - 150 %	
%TCMX (Surrogate Rec)	69		%	10	10/02/25	AW	30 - 150 %	
%TCMX (Surrogate Rec) (Confirmation)	75		%	10	10/02/25	AW	30 - 150 %	
TPH DRO (C10-C28)								
Diesel Range Organics (C10-C28)	440	63	mg/Kg	1	10/03/25	JRB	SW8015D DRO	
QA/QC Surrogates								
% Terphenyl-d14	73		%	1	10/03/25	JRB	50 - 150 %	
% Tricosane(C23)	57		%	1	10/03/25	JRB	50 - 150 %	
Volatiles (TCL)								
1,1,1-Trichloroethane	ND	L 6.7	ug/kg	1	09/30/25	JLI	SW8260D	
1,1,2,2-Tetrachloroethane	ND	L 410	ug/kg	50	10/02/25	JLI	SW8260D	
1,1,2-Trichloroethane	ND	L 6.7	ug/kg	1	09/30/25	JLI	SW8260D	
1,1-Dichloroethane	ND	L 6.7	ug/kg	1	09/30/25	JLI	SW8260D	
1,1-Dichloroethene	ND	L 6.7	ug/kg	1	09/30/25	JLI	SW8260D	
1,2,3-Trichlorobenzene	ND	L 410	ug/kg	50	10/02/25	JLI	SW8260D	
1,2,4-Trichlorobenzene	ND	L 410	ug/kg	50	10/02/25	JLI	SW8260D	

Parameter	Result		RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,2,4-Trimethylbenzene	ND	L	410	ug/kg	50	10/02/25	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	L	410	ug/kg	50	10/02/25	JLI	SW8260D
1,2-Dibromoethane	ND	L	6.7	ug/kg	1	09/30/25	JLI	SW8260D
1,2-Dichlorobenzene	ND	L	410	ug/kg	50	10/02/25	JLI	SW8260D
1,2-Dichloroethane	ND	L	6.7	ug/kg	1	09/30/25	JLI	SW8260D
1,2-Dichloropropane	ND	L	6.7	ug/kg	1	09/30/25	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	L	410	ug/kg	50	10/02/25	JLI	SW8260D
1,3-Dichlorobenzene	ND	L	410	ug/kg	50	10/02/25	JLI	SW8260D
1,4-Dichlorobenzene	ND	L	410	ug/kg	50	10/02/25	JLI	SW8260D
2-Hexanone	ND	L	34	ug/kg	1	09/30/25	JLI	SW8260D
4-Methyl-2-pentanone	ND	L	34	ug/kg	1	09/30/25	JLI	SW8260D
Acetone	89	SL	50	ug/kg	1	09/30/25	JLI	SW8260D
Benzene	ND	L	6.7	ug/kg	1	09/30/25	JLI	SW8260D
Bromochloromethane	ND	L	6.7	ug/kg	1	09/30/25	JLI	SW8260D
Bromodichloromethane	ND	L	6.7	ug/kg	1	09/30/25	JLI	SW8260D
Bromoform	ND	L	6.7	ug/kg	1	09/30/25	JLI	SW8260D
Bromomethane	ND	L	6.7	ug/kg	1	09/30/25	JLI	SW8260D
Carbon Disulfide	ND	L	6.7	ug/kg	1	09/30/25	JLI	SW8260D
Carbon tetrachloride	ND	L	6.7	ug/kg	1	09/30/25	JLI	SW8260D
Chlorobenzene	ND	L	6.7	ug/kg	1	09/30/25	JLI	SW8260D
Chloroethane	ND	L	6.7	ug/kg	1	09/30/25	JLI	SW8260D
Chloroform	ND	L	6.7	ug/kg	1	09/30/25	JLI	SW8260D
Chloromethane	ND	L	6.7	ug/kg	1	09/30/25	JLI	SW8260D
cis-1,2-Dichloroethene	ND	L	6.7	ug/kg	1	09/30/25	JLI	SW8260D
cis-1,3-Dichloropropene	ND	L	6.7	ug/kg	1	09/30/25	JLI	SW8260D
Cyclohexane	ND	L	6.7	ug/kg	1	09/30/25	JLI	SW8260D
Dibromochloromethane	ND	L	6.7	ug/kg	1	09/30/25	JLI	SW8260D
Dichlorodifluoromethane	ND	L	6.7	ug/kg	1	09/30/25	JLI	SW8260D
Ethylbenzene	ND	L	6.7	ug/kg	1	09/30/25	JLI	SW8260D
Isopropylbenzene	ND	L	410	ug/kg	50	10/02/25	JLI	SW8260D
m&p-Xylene	ND	L	6.7	ug/kg	1	09/30/25	JLI	SW8260D
Methyl ethyl ketone	ND	L	40	ug/kg	1	09/30/25	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	L	13	ug/kg	1	09/30/25	JLI	SW8260D
Methylacetate	ND	L	67	ug/kg	1	09/30/25	JLI	SW8260D
Methylcyclohexane	ND	L	6.7	ug/kg	1	09/30/25	JLI	SW8260D
Methylene chloride	ND	L	34	ug/kg	1	09/30/25	JLI	SW8260D
o-Xylene	ND	L	6.7	ug/kg	1	09/30/25	JLI	SW8260D
Styrene	ND	L	6.7	ug/kg	1	09/30/25	JLI	SW8260D
Tetrachloroethene	ND	L	6.7	ug/kg	1	09/30/25	JLI	SW8260D
Toluene	ND	L	6.7	ug/kg	1	09/30/25	JLI	SW8260D
Total Xylenes	ND		6.7	ug/kg	1	09/30/25	JLI	SW8260D
trans-1,2-Dichloroethene	ND	L	6.7	ug/kg	1	09/30/25	JLI	SW8260D
trans-1,3-Dichloropropene	ND	L	6.7	ug/kg	1	09/30/25	JLI	SW8260D
Trichloroethene	ND	L	6.7	ug/kg	1	09/30/25	JLI	SW8260D
Trichlorofluoromethane	ND	L	6.7	ug/kg	1	09/30/25	JLI	SW8260D
Trichlorotrifluoroethane	ND	L	6.7	ug/kg	1	09/30/25	JLI	SW8260D
Vinyl chloride	ND	L	6.7	ug/kg	1	09/30/25	JLI	SW8260D
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	126			%	1	09/30/25	JLI	70 - 130 %

Parameter	Result		RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Bromofluorobenzene	77			%	1	09/30/25	JLI	70 - 130 %
% Dibromofluoromethane	89			%	1	09/30/25	JLI	70 - 130 %
% Toluene-d8	86			%	1	09/30/25	JLI	70 - 130 %
% 1,2-dichlorobenzene-d4 (50x)	101			%	50	10/02/25	JLI	70 - 130 %
% Bromofluorobenzene (50x)	100			%	50	10/02/25	JLI	70 - 130 %
% Dibromofluoromethane (50x)	94			%	50	10/02/25	JLI	70 - 130 %
% Toluene-d8 (50x)	93			%	50	10/02/25	JLI	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	L	100	ug/kg	1	09/30/25	JLI	SW8260D
Volatiles								
1,2,3-Trichloropropane	ND	L	6.7	ug/Kg	1	09/30/25	JLI	SW8260D
1,2,4-Trimethylbenzene	ND	L	6.7	ug/Kg	1	09/30/25	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	L	6.7	ug/Kg	1	09/30/25	JLI	SW8260D
1,3-Dichloropropane	ND	L	6.7	ug/Kg	1	09/30/25	JLI	SW8260D
n-Butylbenzene	ND	L	6.7	ug/Kg	1	09/30/25	JLI	SW8260D
n-Propylbenzene	ND	L	6.7	ug/Kg	1	09/30/25	JLI	SW8260D
p-Isopropyltoluene	ND	L	6.7	ug/Kg	1	09/30/25	JLI	SW8260D
sec-Butylbenzene	ND	L	6.7	ug/Kg	1	09/30/25	JLI	SW8260D
tert-Butylbenzene	ND	L	6.7	ug/Kg	1	09/30/25	JLI	SW8260D
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	126			%	1	09/30/25	JLI	70 - 130 %
% Bromofluorobenzene	77			%	1	09/30/25	JLI	70 - 130 %
% Dibromofluoromethane	89			%	1	09/30/25	JLI	70 - 130 %
% Toluene-d8	86			%	1	09/30/25	JLI	70 - 130 %
TCLP Volatiles								
1,1-Dichloroethene	ND		50	ug/L	10	09/29/25	V	SW846 1311/8260
1,2-Dichloroethane	ND		50	ug/L	10	09/29/25	V	SW846 1311/8260
1,4-Dichlorobenzene	ND		50	ug/L	10	09/29/25	V	SW846 1311/8260
Benzene	ND		50	ug/L	10	09/29/25	V	SW846 1311/8260
Carbon tetrachloride	ND		50	ug/L	10	09/29/25	V	SW846 1311/8260
Chlorobenzene	ND		50	ug/L	10	09/29/25	V	SW846 1311/8260
Chloroform	ND		50	ug/L	10	09/29/25	V	SW846 1311/8260
Methyl ethyl ketone	ND		50	ug/L	10	09/29/25	V	SW846 1311/8260
Tetrachloroethene	ND		50	ug/L	10	09/29/25	V	SW846 1311/8260
Trichloroethene	ND		50	ug/L	10	09/29/25	V	SW846 1311/8260
Vinyl chloride	ND		50	ug/L	10	09/29/25	V	SW846 1311/8260
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4 (10x)	102			%	10	09/29/25	V	70 - 130 %
% Bromofluorobenzene (10x)	94			%	10	09/29/25	V	70 - 130 %
% Dibromofluoromethane (10x)	102			%	10	09/29/25	V	70 - 130 %
% Toluene-d8 (10x)	96			%	10	09/29/25	V	70 - 130 %
Volatile Library Search	Completed					10/01/25	JLI	
Semivolatiles								
1,1-Biphenyl	ND		300	ug/Kg	1	10/03/25	MR	SW8270E
1,2,4,5-Tetrachlorobenzene	ND		300	ug/Kg	1	10/03/25	MR	SW8270E

Project ID: EAST SIDE COASTAL RESILIENCY
Client ID: DEP 109

Phoenix I.D.: CU36212

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
2,2'-Oxybis(1-Chloropropane)	ND	300	ug/Kg	1	10/03/25	MR	SW8270E	1
2,3,4,6-tetrachlorophenol	ND	300	ug/Kg	1	10/03/25	MR	SW8270E	
2,4,5-Trichlorophenol	ND	300	ug/Kg	1	10/03/25	MR	SW8270E	
2,4,6-Trichlorophenol	ND	300	ug/Kg	1	10/03/25	MR	SW8270E	
2,4-Dichlorophenol	ND	300	ug/Kg	1	10/03/25	MR	SW8270E	
2,4-Dimethylphenol	ND	300	ug/Kg	1	10/03/25	MR	SW8270E	
2,4-Dinitrophenol	ND	680	ug/Kg	1	10/03/25	MR	SW8270E	
2,4-Dinitrotoluene	ND	300	ug/Kg	1	10/03/25	MR	SW8270E	
2,6-Dinitrotoluene	ND	300	ug/Kg	1	10/03/25	MR	SW8270E	
2-Chloronaphthalene	ND	300	ug/Kg	1	10/03/25	MR	SW8270E	
2-Chlorophenol	ND	300	ug/Kg	1	10/03/25	MR	SW8270E	
2-Methylnaphthalene	ND	300	ug/Kg	1	10/03/25	MR	SW8270E	
2-Methylphenol (o-cresol)	ND	300	ug/Kg	1	10/03/25	MR	SW8270E	
2-Nitroaniline	ND	680	ug/Kg	1	10/03/25	MR	SW8270E	
2-Nitrophenol	ND	300	ug/Kg	1	10/03/25	MR	SW8270E	
3&4-Methylphenol (m&p-cresol)	ND	330	ug/Kg	1	10/03/25	MR	SW8270E	1
3,3'-Dichlorobenzidine	ND	510	ug/Kg	1	10/03/25	MR	SW8270E	
3-Nitroaniline	ND	680	ug/Kg	1	10/03/25	MR	SW8270E	
4,6-Dinitro-2-methylphenol	ND	1200	ug/Kg	1	10/03/25	MR	SW8270E	
4-Bromophenyl phenyl ether	ND	420	ug/Kg	1	10/03/25	MR	SW8270E	
4-Chloro-3-methylphenol	ND	300	ug/Kg	1	10/03/25	MR	SW8270E	
4-Chloroaniline	ND	300	ug/Kg	1	10/03/25	MR	SW8270E	
4-Chlorophenyl phenyl ether	ND	300	ug/Kg	1	10/03/25	MR	SW8270E	
4-Nitroaniline	ND	680	ug/Kg	1	10/03/25	MR	SW8270E	
4-Nitrophenol	ND	1200	ug/Kg	1	10/03/25	MR	SW8270E	
Acenaphthene	1500	300	ug/Kg	1	10/03/25	MR	SW8270E	
Acenaphthylene	ND	300	ug/Kg	1	10/03/25	MR	SW8270E	
Acetophenone	ND	300	ug/Kg	1	10/03/25	MR	SW8270E	
Anthracene	1600	300	ug/Kg	1	10/03/25	MR	SW8270E	
Atrazine	ND	300	ug/Kg	1	10/03/25	MR	SW8270E	
Benz(a)anthracene	14000	1500	ug/Kg	5	10/03/25	MR	SW8270E	
Benzaldehyde	ND	300	ug/Kg	1	10/03/25	MR	SW8270E	
Benzo(a)pyrene	29000	1500	ug/Kg	5	10/03/25	MR	SW8270E	
Benzo(b)fluoranthene	30000	1500	ug/Kg	5	10/03/25	MR	SW8270E	
Benzo(ghi)perylene	19000	1500	ug/Kg	5	10/03/25	MR	SW8270E	
Benzo(k)fluoranthene	8000	300	ug/Kg	1	10/03/25	MR	SW8270E	
Benzyl butyl phthalate	ND	300	ug/Kg	1	10/03/25	MR	SW8270E	
Bis(2-chloroethoxy)methane	ND	300	ug/Kg	1	10/03/25	MR	SW8270E	
Bis(2-chloroethyl)ether	ND	420	ug/Kg	1	10/03/25	MR	SW8270E	
Bis(2-ethylhexyl)phthalate	ND	300	ug/Kg	1	10/03/25	MR	SW8270E	
Caprolactam	ND	300	ug/Kg	1	10/03/25	MR	SW8270E	
Carbazole	740	420	ug/Kg	1	10/03/25	MR	SW8270E	
Chrysene	13000	1500	ug/Kg	5	10/03/25	MR	SW8270E	
Dibenz(a,h)anthracene	5700	210	ug/Kg	1	10/03/25	MR	SW8270E	
Dibenzofuran	ND	300	ug/Kg	1	10/03/25	MR	SW8270E	
Diethyl phthalate	ND	300	ug/Kg	1	10/03/25	MR	SW8270E	
Dimethylphthalate	ND	300	ug/Kg	1	10/03/25	MR	SW8270E	
Di-n-butylphthalate	ND	850	ug/Kg	1	10/03/25	MR	SW8270E	
Di-n-octylphthalate	ND	300	ug/Kg	1	10/03/25	MR	SW8270E	

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Fluoranthene	11000	1500	ug/Kg	5	10/03/25	MR	SW8270E
Fluorene	330	300	ug/Kg	1	10/03/25	MR	SW8270E
Hexachlorobenzene	ND	300	ug/Kg	1	10/03/25	MR	SW8270E
Hexachlorobutadiene	ND	300	ug/Kg	1	10/03/25	MR	SW8270E
Hexachlorocyclopentadiene	ND	300	ug/Kg	1	10/03/25	MR	SW8270E
Hexachloroethane	ND	300	ug/Kg	1	10/03/25	MR	SW8270E
Indeno(1,2,3-cd)pyrene	24000	1500	ug/Kg	5	10/03/25	MR	SW8270E
Isophorone	ND	300	ug/Kg	1	10/03/25	MR	SW8270E
Naphthalene	350	300	ug/Kg	1	10/03/25	MR	SW8270E
Nitrobenzene	ND	300	ug/Kg	1	10/03/25	MR	SW8270E
N-Nitrosodimethylamine	ND	420	ug/Kg	1	10/03/25	MR	SW8270E
N-Nitrosodi-n-propylamine	ND	210	ug/Kg	1	10/03/25	MR	SW8270E
N-Nitrosodiphenylamine	ND	420	ug/Kg	1	10/03/25	MR	SW8270E
Pentachlorophenol	ND	420	ug/Kg	1	10/03/25	MR	SW8270E
Phenanthrene	4100	300	ug/Kg	1	10/03/25	MR	SW8270E
Phenol	ND	300	ug/Kg	1	10/03/25	MR	SW8270E
Pyrene	11000	1500	ug/Kg	5	10/03/25	MR	SW8270E
QA/QC Surrogates							
% 2,4,6-Tribromophenol	68		%	1	10/03/25	MR	30 - 130 %
% 2-Fluorobiphenyl	60		%	1	10/03/25	MR	30 - 130 %
% 2-Fluorophenol	62		%	1	10/03/25	MR	30 - 130 %
% Nitrobenzene-d5	58		%	1	10/03/25	MR	30 - 130 %
% Phenol-d5	66		%	1	10/03/25	MR	30 - 130 %
% Terphenyl-d14	65		%	1	10/03/25	MR	30 - 130 %
% 2-Fluorobiphenyl (5x)	72		%	5	10/03/25	MR	30 - 130 %
% Nitrobenzene-d5 (5x)	70		%	5	10/03/25	MR	30 - 130 %
% Terphenyl-d14 (5x)	65		%	5	10/03/25	MR	30 - 130 %
TCLP Acid/Base-Neutral							
1,4-Dichlorobenzene	ND	83	ug/L	1	09/29/25	MR	SW-846 1311/8270
2,4,5-Trichlorophenol	ND	83	ug/L	1	09/29/25	MR	SW-846 1311/8270
2,4,6-Trichlorophenol	ND	83	ug/L	1	09/29/25	MR	SW-846 1311/8270
2,4-Dinitrotoluene	ND	83	ug/L	1	09/29/25	MR	SW-846 1311/8270
2-Methylphenol (o-cresol)	ND	83	ug/L	1	09/29/25	MR	SW-846 1311/8270
3&4-Methylphenol (m&p-Cresol)	ND	83	ug/L	1	09/29/25	MR	SW-846 1311/8270
Hexachlorobenzene	ND	83	ug/L	1	09/29/25	MR	SW-846 1311/8270
Hexachlorobutadiene	ND	83	ug/L	1	09/29/25	MR	SW-846 1311/8270
Hexachloroethane	ND	83	ug/L	1	09/29/25	MR	SW-846 1311/8270
Nitrobenzene	ND	83	ug/L	1	09/29/25	MR	SW-846 1311/8270
Pentachlorophenol	ND	83	ug/L	1	09/29/25	MR	SW-846 1311/8270
Pyridine	ND	83	ug/L	1	09/29/25	MR	SW-846 1311/8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	96		%	1	09/29/25	MR	15 - 110 %
% 2-Fluorobiphenyl	73		%	1	09/29/25	MR	30 - 130 %
% 2-Fluorophenol	75		%	1	09/29/25	MR	15 - 110 %
% Nitrobenzene-d5	80		%	1	09/29/25	MR	30 - 130 %
% Phenol-d5	72		%	1	09/29/25	MR	15 - 110 %
% Terphenyl-d14	87		%	1	09/29/25	MR	30 - 130 %
Semivolatile Library Search	Completed				10/03/25	MR	

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

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

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

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

Comments:

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

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

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

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

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.

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.

Volatile Comment:
L flag signifies that this sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

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.

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.

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

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

S - Laboratory solvent, contamination is possible.

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

Phyllis Shiller, Laboratory Director
October 07, 2025
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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

October 07, 2025

FOR: Attn: Mr. Brian Pendergast
American Environmental Solutions, Inc
42 West Avenue
Patchogue, NY 11772

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/25/25	
Location Code:	AES-EASTSIDE	Received by:	CP	09/26/25	19:07
Rush Request:	5 Day	Analyzed by:	see "By" below		
P.O.#:	0897				

Laboratory Data

SDG ID: GCU36210
Phoenix ID: CU36213

Project ID: EAST SIDE COASTAL RESILIENCY
Client ID: DEP 108

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.40	0.40	mg/Kg	1	10/01/25	CPP	SW6010D
Aluminum	7640	6.0	mg/Kg	1	10/01/25	CPP	SW6010D
Arsenic	8.08	0.79	mg/Kg	1	10/01/25	CPP	SW6010D
Barium	131	0.40	mg/Kg	1	10/01/25	CPP	SW6010D
Beryllium	0.39	0.32	mg/Kg	1	10/01/25	CPP	SW6010D
Calcium	5120	6.0	mg/Kg	1	10/01/25	CPP	SW6010D
Cadmium	0.60	0.40	mg/Kg	1	10/01/25	CPP	SW6010D
Cobalt	8.78	0.40	mg/Kg	1	10/01/25	CPP	SW6010D
Chromium	15.6	0.40	mg/Kg	1	10/01/25	CPP	SW6010D
Copper	229	0.8	mg/kg	1	10/01/25	CPP	SW6010D
Iron	26100	6.0	mg/Kg	1	10/01/25	CPP	SW6010D
Mercury	2.29	0.1	mg/Kg	1	09/29/25	AJ1	SW7473
Potassium	1770	60	mg/Kg	10	10/01/25	CPP	SW6010D
Magnesium	2440	6.0	mg/Kg	1	10/01/25	CPP	SW6010D
Manganese	257	0.40	mg/Kg	1	10/01/25	TH	SW6010D
Sodium	472	6.0	mg/Kg	1	10/01/25	CPP	SW6010D
Nickel	19.6	0.40	mg/Kg	1	10/01/25	CPP	SW6010D
Lead	380	0.40	mg/Kg	1	10/01/25	CPP	SW6010D
Antimony	< 4.0	4.0	mg/Kg	1	10/01/25	CPP	SW6010D
Selenium	< 1.6	1.6	mg/Kg	1	10/01/25	CPP	SW6010D
TCLP Silver	< 0.10	0.10	mg/L	1	09/29/25	CPP	SW846 1311/6010
TCLP Arsenic	< 0.10	0.10	mg/L	1	09/29/25	CPP	SW846 1311/6010
TCLP Barium	0.93	0.10	mg/L	1	09/29/25	CPP	SW846 1311/6010
TCLP Cadmium	< 0.050	0.050	mg/L	1	09/29/25	CPP	SW846 1311/6010
TCLP Chromium	< 0.10	0.10	mg/L	1	09/29/25	CPP	SW846 1311/6010
TCLP Mercury	< 0.0002	0.0002	mg/L	1	09/29/25	AJ1	SW846 1311/7470
TCLP Lead	1.16	0.10	mg/L	1	09/29/25	CPP	SW846 1311/6010
TCLP Selenium	< 0.10	0.10	mg/L	1	09/29/25	CPP	SW846 1311/6010D

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Project ID: EAST SIDE COASTAL RESILIENCY
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Phoenix I.D.: CU36213

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Thallium	< 3.6	3.6	mg/Kg	1	10/01/25	CPP	SW6010D	
TCLP Metals Digestion	Completed				09/29/25	AK/GW	SW3010A	
Vanadium	22.7	0.40	mg/Kg	1	10/01/25	CPP	SW6010D	
Zinc	245	0.8	mg/Kg	1	10/01/25	CPP	SW6010D	
Percent Solid	74		%		09/26/25	N	SW846-%Solid	
Corrosivity	Negative		Pos/Neg	1	09/26/25	KG	SW846-Corr	1
Flash Point	>200	200	Degree F	1	09/30/25	G	SW1010B	
Chromium, Hex. (SW3060A digestion	< 0.53	0.53	mg/Kg	1	09/30/25	NP	SW7196A	
Ignitability	Passed	140	degree F	1	09/30/25	G	SW846-Ignit	1
pH at 21C - Soil	7.69	1.00	pH Units	1	09/26/25 23:04	KG	SW846 9045D	
Reactivity Cyanide	< 7	7	mg/Kg	1	10/01/25	IH/GD	SW846 7.3.3.1/90	1
Reactivity Sulfide	< 20	20	mg/Kg	1	10/01/25	IH/GD	SW846 CH7	1
Reactivity	Negative		Pos/Neg	1	10/01/25	IH/GD	SW846-React	1
Redox Potential	221		mV	1	09/26/25	KG	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	< 0.68	0.68	mg/Kg	1	10/01/25	J/K/K/G	SW9012B	
Extraction of NY ETPH	Completed				10/02/25	C/Q	SW3546	
Soil Extraction for Herbicide	Completed				10/02/25	X/D	SW3546	
NJ EPH Extraction	Completed				10/01/25	S/A	NJDEP 10-08 R3	
Soil Extraction for PCB	Completed				10/02/25	C/Z	SW3546	
Soil Extraction for Pesticides	Completed				10/02/25	C/Z	SW3546	
Soil Extraction for SVOA	Completed				10/02/25	NG/U	SW3546	
TCLP Digestion Mercury	Completed				09/29/25	AK/GW	SW7470A	
TCLP Herbicides Extraction	Completed				09/29/25	CV/D	SW8150 MOD	
TCLP Extraction for Metals	Completed				09/26/25	AK	SW1311	
TCLP Extraction for Organics	Completed				09/26/25	AK	SW1311	
TCLP Pesticides Extraction	Completed				10/01/25	J/J	SW3510C	
TCLP Semi-Volatile Extraction	Completed				09/30/25	T/T	SW3510C	
TCLP Extraction Volatiles	Completed				09/26/25	CV	SW1311	
Total Metals Digest	Completed				09/28/25	N/AG	SW3050B	
NJ EPH Category 1 (Fuel #2/Diesel)								
>C28-C40	75	11	mg/kg	1	10/03/25	JRB	NJEPH 10-08 R3	1
C9-C28	200	21	mg/kg	1	10/03/25	JRB	NJEPH 10-08 R3	1
Total EPH	275	11	mg/kg	1	10/03/25	JRB	NJEPH 10-08 R3	1
QA/QC Surrogates								
% COD (surr)	56		%	1	10/03/25	JRB	40 - 140 %	
% Terphenyl (surr)	105		%	1	10/03/25	JRB	40 - 140 %	
Gasoline Range Hydrocarbons (C6-C10)								
GRO (C6-C10)	ND	L 8.5	mg/Kg	50	09/30/25	V	SW8015D GRO	
QA/QC Surrogates								
% 2,5-Dibromotoluene (FID)	116		%	50	09/30/25	V	70 - 130 %	
Chlorinated Herbicides								
2,4,5-T	ND	170	ug/Kg	10	10/03/25	JRB	SW8151A	
2,4,5-TP (Silvex)	ND	170	ug/Kg	10	10/03/25	JRB	SW8151A	
2,4-D	ND	330	ug/Kg	10	10/03/25	JRB	SW8151A	
2,4-DB	ND	1700	ug/Kg	10	10/03/25	JRB	SW8151A	
Dalapon	ND	170	ug/Kg	10	10/03/25	JRB	SW8151A	

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Dicamba	ND	170	ug/Kg	10	10/03/25	JRB	SW8151A
Dichloroprop	ND	330	ug/Kg	10	10/03/25	JRB	SW8151A
Dinoseb	ND	330	ug/Kg	10	10/03/25	JRB	SW8151A
QA/QC Surrogates							
% DCAA	92		%	10	10/03/25	JRB	30 - 150 %
% DCAA (Confirmation)	69		%	10	10/03/25	JRB	30 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	89	ug/Kg	2	10/03/25	SC	SW8082A
PCB-1221	ND	89	ug/Kg	2	10/03/25	SC	SW8082A
PCB-1232	ND	89	ug/Kg	2	10/03/25	SC	SW8082A
PCB-1242	ND	89	ug/Kg	2	10/03/25	SC	SW8082A
PCB-1248	ND	89	ug/Kg	2	10/03/25	SC	SW8082A
PCB-1254	ND	89	ug/Kg	2	10/03/25	SC	SW8082A
PCB-1260	ND	89	ug/Kg	2	10/03/25	SC	SW8082A
PCB-1262	ND	89	ug/Kg	2	10/03/25	SC	SW8082A
PCB-1268	ND	89	ug/Kg	2	10/03/25	SC	SW8082A
QA/QC Surrogates							
% DCBP	69		%	2	10/03/25	SC	30 - 150 %
% DCBP (Confirmation)	64		%	2	10/03/25	SC	30 - 150 %
% TCMX	69		%	2	10/03/25	SC	30 - 150 %
% TCMX (Confirmation)	78		%	2	10/03/25	SC	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.7	ug/Kg	2	10/03/25	AW	SW8081B
4,4' -DDE	ND	2.7	ug/Kg	2	10/03/25	AW	SW8081B
4,4' -DDT	ND	2.7	ug/Kg	2	10/03/25	AW	SW8081B
a-BHC	ND	8.9	ug/Kg	2	10/03/25	AW	SW8081B
a-Chlordane	ND	4.5	ug/Kg	2	10/03/25	AW	SW8081B
Aldrin	ND	4.5	ug/Kg	2	10/03/25	AW	SW8081B
b-BHC	ND	8.9	ug/Kg	2	10/03/25	AW	SW8081B
Chlordane	ND	45	ug/Kg	2	10/03/25	AW	SW8081B
d-BHC	ND	8.9	ug/Kg	2	10/03/25	AW	SW8081B
Dieldrin	ND	4.5	ug/Kg	2	10/03/25	AW	SW8081B
Endosulfan I	ND	8.9	ug/Kg	2	10/03/25	AW	SW8081B
Endosulfan II	ND	8.9	ug/Kg	2	10/03/25	AW	SW8081B
Endosulfan sulfate	ND	8.9	ug/Kg	2	10/03/25	AW	SW8081B
Endrin	ND	8.9	ug/Kg	2	10/03/25	AW	SW8081B
Endrin aldehyde	ND	8.9	ug/Kg	2	10/03/25	AW	SW8081B
Endrin ketone	ND	8.9	ug/Kg	2	10/03/25	AW	SW8081B
g-BHC	ND	1.8	ug/Kg	2	10/03/25	AW	SW8081B
g-Chlordane	ND	4.5	ug/Kg	2	10/03/25	AW	SW8081B
Heptachlor	ND	8.9	ug/Kg	2	10/03/25	AW	SW8081B
Heptachlor epoxide	ND	8.9	ug/Kg	2	10/03/25	AW	SW8081B
Methoxychlor	ND	45	ug/Kg	2	10/03/25	AW	SW8081B
Toxaphene	ND	180	ug/Kg	2	10/03/25	AW	SW8081B
QA/QC Surrogates							
% DCBP	130		%	2	10/03/25	AW	30 - 150 %
% DCBP (Confirmation)	69		%	2	10/03/25	AW	30 - 150 %
% TCMX	118		%	2	10/03/25	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
% TCMX (Confirmation)	65		%	2	10/03/25	AW	30 - 150 %	
TCLP Herbicides								
2,4,5-TP (Silvex)	ND	50	ug/L	10	09/30/25	JRB	SW846 1311/8151	
2,4-D	ND	100	ug/L	10	09/30/25	JRB	SW846 1311/8151	
QA/QC Surrogates								
% DCAA	39		%	10	09/30/25	JRB	30 - 150 %	
% DCAA (Confirmation)	44		%	10	09/30/25	JRB	30 - 150 %	
TCLP Pesticides								
4,4' -DDD	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
4,4' -DDE	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
4,4' -DDT	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
a-BHC	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Alachlor	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	1
Aldrin	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
b-BHC	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Chlordane	ND	5.0	ug/L	10	10/02/25	AW	SW8081B	
d-BHC	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Dieldrin	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
Endosulfan I	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Endosulfan II	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
Endosulfan Sulfate	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
Endrin	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
Endrin Aldehyde	ND	1.0	ug/L	10	10/02/25	AW	SW8081B	
g-BHC (Lindane)	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Heptachlor	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Heptachlor epoxide	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Methoxychlor	ND	0.50	ug/L	10	10/02/25	AW	SW8081B	
Toxaphene	ND	20	ug/L	10	10/02/25	AW	SW8081B	
QA/QC Surrogates								
%DCBP (Surrogate Rec)	95		%	10	10/02/25	AW	30 - 150 %	
%DCBP (Surrogate Rec) (Confirmation)	78		%	10	10/02/25	AW	30 - 150 %	
%TCMX (Surrogate Rec)	69		%	10	10/02/25	AW	30 - 150 %	
%TCMX (Surrogate Rec) (Confirmation)	74		%	10	10/02/25	AW	30 - 150 %	
TPH DRO (C10-C28)								
Diesel Range Organics (C10-C28)	320	66	mg/Kg	1	10/03/25	JRB	SW8015D DRO	
QA/QC Surrogates								
% Terphenyl-d14	76		%	1	10/03/25	JRB	50 - 150 %	
% Tricosane(C23)	72		%	1	10/03/25	JRB	50 - 150 %	
Volatiles (TCL)								
1,1,1-Trichloroethane	ND	L 6.8	ug/kg	1	09/30/25	JLI	SW8260D	
1,1,2,2-Tetrachloroethane	ND	L 6.8	ug/kg	1	09/30/25	JLI	SW8260D	
1,1,2-Trichloroethane	ND	L 6.8	ug/kg	1	09/30/25	JLI	SW8260D	
1,1-Dichloroethane	ND	L 6.8	ug/kg	1	09/30/25	JLI	SW8260D	
1,1-Dichloroethene	ND	L 6.8	ug/kg	1	09/30/25	JLI	SW8260D	
1,2,3-Trichlorobenzene	ND	L 6.8	ug/kg	1	09/30/25	JLI	SW8260D	
1,2,4-Trichlorobenzene	ND	L 6.8	ug/kg	1	09/30/25	JLI	SW8260D	

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Parameter	Result		RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,2,4-Trimethylbenzene	ND	L	6.8	ug/kg	1	09/30/25	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	L	6.8	ug/kg	1	09/30/25	JLI	SW8260D
1,2-Dibromoethane	ND	L	6.8	ug/kg	1	09/30/25	JLI	SW8260D
1,2-Dichlorobenzene	ND	L	6.8	ug/kg	1	09/30/25	JLI	SW8260D
1,2-Dichloroethane	ND	L	6.8	ug/kg	1	09/30/25	JLI	SW8260D
1,2-Dichloropropane	ND	L	6.8	ug/kg	1	09/30/25	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	L	6.8	ug/kg	1	09/30/25	JLI	SW8260D
1,3-Dichlorobenzene	ND	L	6.8	ug/kg	1	09/30/25	JLI	SW8260D
1,4-Dichlorobenzene	ND	L	6.8	ug/kg	1	09/30/25	JLI	SW8260D
2-Hexanone	ND	L	34	ug/kg	1	09/30/25	JLI	SW8260D
4-Methyl-2-pentanone	ND	L	34	ug/kg	1	09/30/25	JLI	SW8260D
Acetone	ND	L	50	ug/kg	1	09/30/25	JLI	SW8260D
Benzene	ND	L	6.8	ug/kg	1	09/30/25	JLI	SW8260D
Bromochloromethane	ND	L	6.8	ug/kg	1	09/30/25	JLI	SW8260D
Bromodichloromethane	ND	L	6.8	ug/kg	1	09/30/25	JLI	SW8260D
Bromoform	ND	L	6.8	ug/kg	1	09/30/25	JLI	SW8260D
Bromomethane	ND	L	6.8	ug/kg	1	09/30/25	JLI	SW8260D
Carbon Disulfide	ND	L	6.8	ug/kg	1	09/30/25	JLI	SW8260D
Carbon tetrachloride	ND	L	6.8	ug/kg	1	09/30/25	JLI	SW8260D
Chlorobenzene	ND	L	6.8	ug/kg	1	09/30/25	JLI	SW8260D
Chloroethane	ND	L	6.8	ug/kg	1	09/30/25	JLI	SW8260D
Chloroform	ND	L	6.8	ug/kg	1	09/30/25	JLI	SW8260D
Chloromethane	ND	L	6.8	ug/kg	1	09/30/25	JLI	SW8260D
cis-1,2-Dichloroethene	ND	L	6.8	ug/kg	1	09/30/25	JLI	SW8260D
cis-1,3-Dichloropropene	ND	L	6.8	ug/kg	1	09/30/25	JLI	SW8260D
Cyclohexane	ND	L	6.8	ug/kg	1	09/30/25	JLI	SW8260D
Dibromochloromethane	ND	L	6.8	ug/kg	1	09/30/25	JLI	SW8260D
Dichlorodifluoromethane	ND	L	6.8	ug/kg	1	09/30/25	JLI	SW8260D
Ethylbenzene	ND	L	6.8	ug/kg	1	09/30/25	JLI	SW8260D
Isopropylbenzene	ND	L	6.8	ug/kg	1	09/30/25	JLI	SW8260D
m&p-Xylene	ND	L	6.8	ug/kg	1	09/30/25	JLI	SW8260D
Methyl ethyl ketone	ND	L	41	ug/kg	1	09/30/25	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	L	14	ug/kg	1	09/30/25	JLI	SW8260D
Methylacetate	ND	L	68	ug/kg	1	09/30/25	JLI	SW8260D
Methylcyclohexane	ND	L	6.8	ug/kg	1	09/30/25	JLI	SW8260D
Methylene chloride	ND	L	34	ug/kg	1	09/30/25	JLI	SW8260D
o-Xylene	ND	L	6.8	ug/kg	1	09/30/25	JLI	SW8260D
Styrene	ND	L	6.8	ug/kg	1	09/30/25	JLI	SW8260D
Tetrachloroethene	ND	L	6.8	ug/kg	1	09/30/25	JLI	SW8260D
Toluene	ND	L	6.8	ug/kg	1	09/30/25	JLI	SW8260D
Total Xylenes	ND		6.8	ug/kg	1	09/30/25	JLI	SW8260D
trans-1,2-Dichloroethene	ND	L	6.8	ug/kg	1	09/30/25	JLI	SW8260D
trans-1,3-Dichloropropene	ND	L	6.8	ug/kg	1	09/30/25	JLI	SW8260D
Trichloroethene	ND	L	6.8	ug/kg	1	09/30/25	JLI	SW8260D
Trichlorofluoromethane	ND	L	6.8	ug/kg	1	09/30/25	JLI	SW8260D
Trichlorotrifluoroethane	ND	L	6.8	ug/kg	1	09/30/25	JLI	SW8260D
Vinyl chloride	ND	L	6.8	ug/kg	1	09/30/25	JLI	SW8260D
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	102			%	1	09/30/25	JLI	70 - 130 %

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% Bromofluorobenzene	83			%	1	09/30/25	JLI	70 - 130 %	
% Dibromofluoromethane	96			%	1	09/30/25	JLI	70 - 130 %	
% Toluene-d8	89			%	1	09/30/25	JLI	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	L	100	ug/kg	1	09/30/25	JLI	SW8260D	
Volatiles									
1,2,3-Trichloropropane	ND	L	6.8	ug/Kg	1	09/30/25	JLI	SW8260D	
1,2,4-Trimethylbenzene	ND	L	6.8	ug/Kg	1	09/30/25	JLI	SW8260D	
1,3,5-Trimethylbenzene	ND	L	6.8	ug/Kg	1	09/30/25	JLI	SW8260D	
1,3-Dichloropropane	ND	L	6.8	ug/Kg	1	09/30/25	JLI	SW8260D	
n-Butylbenzene	ND	L	6.8	ug/Kg	1	09/30/25	JLI	SW8260D	
n-Propylbenzene	ND	L	6.8	ug/Kg	1	09/30/25	JLI	SW8260D	
p-Isopropyltoluene	ND	L	6.8	ug/Kg	1	09/30/25	JLI	SW8260D	
sec-Butylbenzene	ND	L	6.8	ug/Kg	1	09/30/25	JLI	SW8260D	
tert-Butylbenzene	ND	L	6.8	ug/Kg	1	09/30/25	JLI	SW8260D	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	102			%	1	09/30/25	JLI	70 - 130 %	
% Bromofluorobenzene	83			%	1	09/30/25	JLI	70 - 130 %	
% Dibromofluoromethane	96			%	1	09/30/25	JLI	70 - 130 %	
% Toluene-d8	89			%	1	09/30/25	JLI	70 - 130 %	
TCLP Volatiles									
1,1-Dichloroethene	ND		50	ug/L	10	09/30/25	V	SW846 1311/8260	
1,2-Dichloroethane	ND		50	ug/L	10	09/30/25	V	SW846 1311/8260	
1,4-Dichlorobenzene	ND		50	ug/L	10	09/30/25	V	SW846 1311/8260	
Benzene	ND		50	ug/L	10	09/30/25	V	SW846 1311/8260	
Carbon tetrachloride	ND		50	ug/L	10	09/30/25	V	SW846 1311/8260	
Chlorobenzene	ND		50	ug/L	10	09/30/25	V	SW846 1311/8260	
Chloroform	ND		50	ug/L	10	09/30/25	V	SW846 1311/8260	
Methyl ethyl ketone	ND		50	ug/L	10	09/30/25	V	SW846 1311/8260	
Tetrachloroethene	ND		50	ug/L	10	09/30/25	V	SW846 1311/8260	
Trichloroethene	ND		50	ug/L	10	09/30/25	V	SW846 1311/8260	
Vinyl chloride	ND		50	ug/L	10	09/30/25	V	SW846 1311/8260	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4 (10x)	100			%	10	09/30/25	V	70 - 130 %	
% Bromofluorobenzene (10x)	94			%	10	09/30/25	V	70 - 130 %	
% Dibromofluoromethane (10x)	100			%	10	09/30/25	V	70 - 130 %	
% Toluene-d8 (10x)	95			%	10	09/30/25	V	70 - 130 %	
Volatile Library Search	Completed					10/01/25	JLI		
Semivolatiles									
1,1-Biphenyl	ND		310	ug/Kg	1	10/03/25	MR	SW8270E	
1,2,4,5-Tetrachlorobenzene	ND		310	ug/Kg	1	10/03/25	MR	SW8270E	
2,2'-Oxybis(1-Chloropropane)	ND		310	ug/Kg	1	10/03/25	MR	SW8270E	1
2,3,4,6-tetrachlorophenol	ND		310	ug/Kg	1	10/03/25	MR	SW8270E	
2,4,5-Trichlorophenol	ND		310	ug/Kg	1	10/03/25	MR	SW8270E	
2,4,6-Trichlorophenol	ND		310	ug/Kg	1	10/03/25	MR	SW8270E	

Project ID: EAST SIDE COASTAL RESILIENCY
Client ID: DEP 108

Phoenix I.D.: CU36213

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
2,4-Dichlorophenol	ND	310	ug/Kg	1	10/03/25	MR	SW8270E	
2,4-Dimethylphenol	ND	310	ug/Kg	1	10/03/25	MR	SW8270E	
2,4-Dinitrophenol	ND	720	ug/Kg	1	10/03/25	MR	SW8270E	
2,4-Dinitrotoluene	ND	310	ug/Kg	1	10/03/25	MR	SW8270E	
2,6-Dinitrotoluene	ND	310	ug/Kg	1	10/03/25	MR	SW8270E	
2-Chloronaphthalene	ND	310	ug/Kg	1	10/03/25	MR	SW8270E	
2-Chlorophenol	ND	310	ug/Kg	1	10/03/25	MR	SW8270E	
2-Methylnaphthalene	ND	310	ug/Kg	1	10/03/25	MR	SW8270E	
2-Methylphenol (o-cresol)	ND	310	ug/Kg	1	10/03/25	MR	SW8270E	
2-Nitroaniline	ND	720	ug/Kg	1	10/03/25	MR	SW8270E	
2-Nitrophenol	ND	310	ug/Kg	1	10/03/25	MR	SW8270E	
3&4-Methylphenol (m&p-cresol)	ND	330	ug/Kg	1	10/03/25	MR	SW8270E	1
3,3'-Dichlorobenzidine	ND	540	ug/Kg	1	10/03/25	MR	SW8270E	
3-Nitroaniline	ND	720	ug/Kg	1	10/03/25	MR	SW8270E	
4,6-Dinitro-2-methylphenol	ND	1300	ug/Kg	1	10/03/25	MR	SW8270E	
4-Bromophenyl phenyl ether	ND	450	ug/Kg	1	10/03/25	MR	SW8270E	
4-Chloro-3-methylphenol	ND	310	ug/Kg	1	10/03/25	MR	SW8270E	
4-Chloroaniline	ND	310	ug/Kg	1	10/03/25	MR	SW8270E	
4-Chlorophenyl phenyl ether	ND	310	ug/Kg	1	10/03/25	MR	SW8270E	
4-Nitroaniline	ND	720	ug/Kg	1	10/03/25	MR	SW8270E	
4-Nitrophenol	ND	1300	ug/Kg	1	10/03/25	MR	SW8270E	
Acenaphthene	ND	310	ug/Kg	1	10/03/25	MR	SW8270E	
Acenaphthylene	ND	310	ug/Kg	1	10/03/25	MR	SW8270E	
Acetophenone	ND	310	ug/Kg	1	10/03/25	MR	SW8270E	
Anthracene	ND	310	ug/Kg	1	10/03/25	MR	SW8270E	
Atrazine	ND	310	ug/Kg	1	10/03/25	MR	SW8270E	
Benz(a)anthracene	360	310	ug/Kg	1	10/03/25	MR	SW8270E	
Benzaldehyde	590	310	ug/Kg	1	10/03/25	MR	SW8270E	
Benzo(a)pyrene	420	310	ug/Kg	1	10/03/25	MR	SW8270E	
Benzo(b)fluoranthene	530	310	ug/Kg	1	10/03/25	MR	SW8270E	
Benzo(ghi)perylene	ND	310	ug/Kg	1	10/03/25	MR	SW8270E	
Benzo(k)fluoranthene	ND	310	ug/Kg	1	10/03/25	MR	SW8270E	
Benzyl butyl phthalate	ND	310	ug/Kg	1	10/03/25	MR	SW8270E	
Bis(2-chloroethoxy)methane	ND	310	ug/Kg	1	10/03/25	MR	SW8270E	
Bis(2-chloroethyl)ether	ND	450	ug/Kg	1	10/03/25	MR	SW8270E	
Bis(2-ethylhexyl)phthalate	ND	310	ug/Kg	1	10/03/25	MR	SW8270E	
Caprolactam	ND	310	ug/Kg	1	10/03/25	MR	SW8270E	
Carbazole	ND	450	ug/Kg	1	10/03/25	MR	SW8270E	
Chrysene	340	310	ug/Kg	1	10/03/25	MR	SW8270E	
Dibenz(a,h)anthracene	ND	220	ug/Kg	1	10/03/25	MR	SW8270E	
Dibenzofuran	ND	310	ug/Kg	1	10/03/25	MR	SW8270E	
Diethyl phthalate	ND	310	ug/Kg	1	10/03/25	MR	SW8270E	
Dimethylphthalate	ND	310	ug/Kg	1	10/03/25	MR	SW8270E	
Di-n-butylphthalate	ND	900	ug/Kg	1	10/03/25	MR	SW8270E	
Di-n-octylphthalate	ND	310	ug/Kg	1	10/03/25	MR	SW8270E	
Fluoranthene	530	310	ug/Kg	1	10/03/25	MR	SW8270E	
Fluorene	ND	310	ug/Kg	1	10/03/25	MR	SW8270E	
Hexachlorobenzene	ND	310	ug/Kg	1	10/03/25	MR	SW8270E	
Hexachlorobutadiene	ND	310	ug/Kg	1	10/03/25	MR	SW8270E	

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Hexachlorocyclopentadiene	ND	310	ug/Kg	1	10/03/25	MR	SW8270E
Hexachloroethane	ND	310	ug/Kg	1	10/03/25	MR	SW8270E
Indeno(1,2,3-cd)pyrene	ND	310	ug/Kg	1	10/03/25	MR	SW8270E
Isophorone	ND	310	ug/Kg	1	10/03/25	MR	SW8270E
Naphthalene	ND	310	ug/Kg	1	10/03/25	MR	SW8270E
Nitrobenzene	ND	310	ug/Kg	1	10/03/25	MR	SW8270E
N-Nitrosodimethylamine	ND	450	ug/Kg	1	10/03/25	MR	SW8270E
N-Nitrosodi-n-propylamine	ND	220	ug/Kg	1	10/03/25	MR	SW8270E
N-Nitrosodiphenylamine	ND	450	ug/Kg	1	10/03/25	MR	SW8270E
Pentachlorophenol	ND	450	ug/Kg	1	10/03/25	MR	SW8270E
Phenanthrene	ND	310	ug/Kg	1	10/03/25	MR	SW8270E
Phenol	ND	310	ug/Kg	1	10/03/25	MR	SW8270E
Pyrene	490	310	ug/Kg	1	10/03/25	MR	SW8270E
QA/QC Surrogates							
% 2,4,6-Tribromophenol	72		%	1	10/03/25	MR	30 - 130 %
% 2-Fluorobiphenyl	60		%	1	10/03/25	MR	30 - 130 %
% 2-Fluorophenol	60		%	1	10/03/25	MR	30 - 130 %
% Nitrobenzene-d5	55		%	1	10/03/25	MR	30 - 130 %
% Phenol-d5	63		%	1	10/03/25	MR	30 - 130 %
% Terphenyl-d14	62		%	1	10/03/25	MR	30 - 130 %

TCLP Acid/Base-Neutral

1,4-Dichlorobenzene	ND	83	ug/L	1	10/01/25	MR	SW-846 1311/8270
2,4,5-Trichlorophenol	ND	83	ug/L	1	10/01/25	MR	SW-846 1311/8270
2,4,6-Trichlorophenol	ND	83	ug/L	1	10/01/25	MR	SW-846 1311/8270
2,4-Dinitrotoluene	ND	83	ug/L	1	10/01/25	MR	SW-846 1311/8270
2-Methylphenol (o-cresol)	ND	83	ug/L	1	10/01/25	MR	SW-846 1311/8270
3&4-Methylphenol (m&p-Cresol)	ND	83	ug/L	1	10/01/25	MR	SW-846 1311/8270
Hexachlorobenzene	ND	83	ug/L	1	10/01/25	MR	SW-846 1311/8270
Hexachlorobutadiene	ND	83	ug/L	1	10/01/25	MR	SW-846 1311/8270
Hexachloroethane	ND	83	ug/L	1	10/01/25	MR	SW-846 1311/8270
Nitrobenzene	ND	83	ug/L	1	10/01/25	MR	SW-846 1311/8270
Pentachlorophenol	ND	83	ug/L	1	10/01/25	MR	SW-846 1311/8270
Pyridine	ND	83	ug/L	1	10/01/25	MR	SW-846 1311/8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	97		%	1	10/01/25	MR	15 - 110 %
% 2-Fluorobiphenyl	61		%	1	10/01/25	MR	30 - 130 %
% 2-Fluorophenol	59		%	1	10/01/25	MR	15 - 110 %
% Nitrobenzene-d5	78		%	1	10/01/25	MR	30 - 130 %
% Phenol-d5	57		%	1	10/01/25	MR	15 - 110 %
% Terphenyl-d14	76		%	1	10/01/25	MR	30 - 130 %
Semivolatile Library Search	Completed				10/03/25	MR	

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

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

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

Comments:

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

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

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.

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.

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

Corrosivity is based solely on the pH analysis performed above.

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

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

Volatile Comment:
L flag signifies that this sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

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.

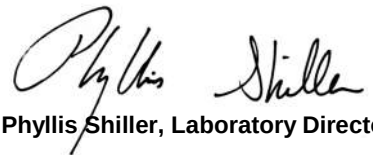
GRO Analysis Comment:
This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

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.

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
October 07, 2025

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

Reviewed and Released by: Anil Makol, Project Manager

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: DEP 111

Lab Name: Phoenix Environmental Labs Client: AES-EASTSIDE

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCU3621(

Matrix:(soil/water): SOIL Lab Sample ID: CU36210

Sample wt/vol: 4.87 (g/mL) g Lab File ID: 0930_41.D

Level: (low/med): PPL Date Received: 09/26/25

% Moisture: not dec. 17 Date Analyzed: 09/30/25

GC Column: RTX-VMS ID: 0.18mm Dilution Factor: 1

Purge Volume: 5000 (uL) Soil Aliquot Vol (uL): 5000

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

J - Used when estimating a concentration for TIC where a 1:1 response is assumed or when the result indicates the presence of a compound that meets the indentification criteria, but the results is less than the quantitation limit, but greater than zero.

N - The concentration is based on the response of the nearest internal. This flag is used on the TIC form for all compounds identified

Q - For TICS, this compound was quantitated using a calibration curve. This compound is part of the instrument method, but not part of the client target list.

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: DEP 110

Lab Name: Phoenix Environmental Labs Client: AES-EASTSIDE

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCU3621(

Matrix:(soil/water): SOIL Lab Sample ID: CU36211

Sample wt/vol: 5.15 (g/mL) g Lab File ID: 0930_42.D

Level: (low/med): PPL Date Received: 09/26/25

% Moisture: not dec. 11 Date Analyzed: 09/30/25

GC Column: RTX-VMS ID: 0.18mm Dilution Factor: 1

Purge Volume: 5000 (uL) Soil Aliquot Vol (uL): 5000

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
91-20-3	Naphthalene	8.329	2.6	Q

FORM I VOA-TIC

J - Used when estimating a concentration for TIC where a 1:1 response is assumed or when the result indicates the presence of a compound that meets the indentification criteria, but the results is less than the quantitation limit, but greater than zero.
N - The concentration is based on the response of the nearest internal. This flag is used on the TIC form for all compounds identified
Q - For TICS, this compound was quantitated using a calibration curve. This compound is part of the instrument method, but not part of the client target list.

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: DEP 109

Lab Name: Phoenix Environmental Labs Client: AES-EASTSIDE

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCU3621(

Matrix:(soil/water): SOIL Lab Sample ID: CU36212

Sample wt/vol: 4.76 (g/mL) g Lab File ID: 0930_43.D

Level: (low/med): PPL Date Received: 09/26/25

% Moisture: not dec. 22 Date Analyzed: 09/30/25

GC Column: RTX-VMS ID: 0.18mm Dilution Factor: 1

Purge Volume: 5000 (uL) Soil Aliquot Vol (uL): 5000

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

J - Used when estimating a concentration for TIC where a 1:1 response is assumed or when the result indicates the presence of a compound that meets the indentification criteria, but the results is less than the quantitation limit, but greater than zero.

N - The concentration is based on the response of the nearest internal. This flag is used on the TIC form for all compounds identified

Q - For TICS, this compound was quantitated using a calibration curve. This compound is part of the instrument method, but not part of the client target list.

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: DEP 108

Lab Name: Phoenix Environmental Labs Client: AES-EASTSIDE

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCU3621(

Matrix:(soil/water): SOIL Lab Sample ID: CU36213

Sample wt/vol: 5.01 (g/mL) g Lab File ID: 0930_44.D

Level: (low/med): PPL Date Received: 09/26/25

% Moisture: not dec. 26 Date Analyzed: 09/30/25

GC Column: RTX-VMS ID: 0.18mm Dilution Factor: 1

Purge Volume: 5000 (uL) Soil Aliquot Vol (uL): 5000

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
007785-70-8	1R-.alpha.-Pinene	5.646	12	JN

FORM I VOA-TIC

J - Used when estimating a concentration for TIC where a 1:1 response is assumed or when the result indicates the presence of a compound that meets the indentification criteria, but the results is less than the quantitation limit, but greater than zero.

N - The concentration is based on the response of the nearest internal. This flag is used on the TIC form for all compounds identified

Q - For TICS, this compound was quantitated using a calibration curve. This compound is part of the instrument method, but not part of the client target list.

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: DEP 111

Lab Name: Phoenix Environmental Labs Client: AES-EASTSIDE

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCU3621(

Matrix:(soil/water): SOIL Lab Sample ID: CU36210

Sample wt/vol: 15.07 (g/mL) g Lab File ID: 1002_32.D

Level: (low/med): Low Date Received: 09/26/25

% Moisture: not dec. 17 decanted:(Y/N) NA Date Extracted: 10/03/25

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 10/3/2025

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

Injection Volume: 1 (uL)

Number TICs found: 3 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	2.848	2700	JNA
023676-09-7	Benzoic acid, 4-ethoxy-, ethyl est	6.626	1100	JNC
000112-88-9	1-Octadecene	7.713	670	JN

FORM I SEMIVOA-TIC

A - Indicates that the tentatively identified compound is a suspected aldol condensation product. Aldol condensation products are produced during the extraction process.

C - Indicates that the tentatively identified compound is a suspected prep artifact produced during extraction process.

Q - For TICS, this compound was quantitated using a calibration curve. This compound is part of the instrument method, but not part of the client target list.

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: DEP 110

Lab Name: Phoenix Environmental Labs Client: AES-EASTSIDE

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCU3621(

Matrix:(soil/water): SOIL Lab Sample ID: CU36211

Sample wt/vol: 15.24 (g/mL) g Lab File ID: 1002_33.D

Level: (low/med): Low Date Received: 09/26/25

% Moisture: not dec. 11 decanted:(Y/N) NA Date Extracted: 10/03/25

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 10/3/2025

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

Injection Volume: 1 (uL)

Number TICs found: 8 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	2.854	2600	JNA
023676-09-7	Benzoic acid, 4-ethoxy-, ethyl est	6.626	700	JNC
000112-40-3	Dodecane	7.361	830	JN
031295-56-4	Dodecane, 2,6,11-trimethyl-	7.513	920	JN
000112-88-9	1-Octadecene	7.713	340	JN
002531-84-2	Phenanthrene, 2-methyl-	8.336	540	JN
000203-64-5	4H-Cyclopenta[def]phenanthrene	8.418	1000	JN
000243-17-4	11H-Benzo[b]fluorene	9.699	470	JN

FORM I SEMIVOA-TIC

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: DEP 109

Lab Name: Phoenix Environmental Labs Client: AES-EASTSIDE

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCU3621(

Matrix:(soil/water): SOIL Lab Sample ID: CU36212

Sample wt/vol: 15.16 (g/mL) g Lab File ID: 1002_34.D

Level: (low/med): Low Date Received: 09/26/25

% Moisture: not dec. 22 decanted:(Y/N) NA Date Extracted: 10/03/25

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 10/3/2025

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

Injection Volume: 1 (uL)

Number TICs found: 15 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	2.854	4400	JNA
023676-09-7	Benzoic acid, 4-ethoxy-, ethyl est	6.632	1500	JNC
000638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	7.355	1000	JN
018435-45-5	1-Nonadecene	7.713	850	JN
002531-84-2	Phenanthrene, 2-methyl-	8.342	910	JN
	unknown hydrocarbon	8.418	1700	J
003674-66-6	Phenanthrene, 2,5-dimethyl-	8.847	610	JN
	unknown hydrocarbon	11.397	740	J
003351-28-8	Chrysene, 1-methyl-	12.067	590	JN
000198-55-0	Perylene	14.170	9600	JN
000192-97-2	Benzo[e]pyrene	15.152	9600	JN
000191-24-2	Benzo[ghi]perylene	17.578	6900	JN
000222-93-5	Pentaphene	17.866	3400	JN
000213-46-7	1,2:7,8-Dibenzophenanthrene	17.966	8000	JN
000191-26-4	Dibenzo[def,mno]chrysene	18.459	13000	JN

FORM I SEMIVOA-TIC

A - Indicates that the tentatively identified compound is a suspected aldol condensation product. Aldol condensation products are produced during the extraction process.

C - Indicates that the tentatively identified compound is a suspected prep artifact produced during extraction process.

Q - For TICS, this compound was quantitated using a calibration curve. This compound is part of the instrument method, but not part of the client target list.

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: DEP 108

Lab Name: Phoenix Environmental Labs Client: AES-EASTSIDE

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCU3621(

Matrix:(soil/water): SOIL Lab Sample ID: CU36213

Sample wt/vol: 15.03 (g/mL) g Lab File ID: 1002_25.D

Level: (low/med): Low Date Received: 09/26/25

% Moisture: not dec. 26 decanted:(Y/N) NA Date Extracted: 10/03/25

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 10/3/2025

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

Injection Volume: 1 (uL)

Number TICs found: 15 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	2.848	3100	JNA
023676-09-7	Benzoic acid, 4-ethoxy-, ethyl est	6.620	1400	JNC
013798-23-7	Sulfur	6.885	780	JN
000112-88-9	1-Octadecene	7.707	850	JN
1000197-14-1	4b,8-Dimethyl-2-isopropylphenanthr	8.730	1100	JN
	unknown hydrocarbon	9.593	1300	J
000483-65-8	Phenanthrene, 1-methyl-7-(1-methyl	9.623	3100	JN
	unknown hydrocarbon	9.822	2100	J
	unknown hydrocarbon	9.952	2700	J
135886-06-5	8-Isopropyl-1,3-dimethylphenanthre	10.099	660	JN
001740-19-8	1-Phenanthrenecarboxylic acid, 1,2	10.768	660	JN
007206-21-5	5-Octadecene, (E)-	10.933	670	JN
000083-47-6	.gamma.-Sitosterol	18.407	1800	JN
019466-47-8	Stigmastanol	18.501	900	JN
	unknown hydrocarbon	19.018	690	J

FORM I SEMIVOA-TIC

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

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

NY # 11301

QA/QC Report

October 07, 2025

QA/QC Data

SDG I.D.: GCU36210

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 805514 (mg/kg), QC Sample No: CU34420 (CU36210, CU36211)														
Chromium, Hexavalent - Soil														
Chromium, Hexavalent	BRL	0.40	<0.40	<0.39	NC	98.4						80 - 120	30	
Chromium, Hexavalent (Ins)						98.6			91.0			80 - 120	30	
Chromium, Hexavalent (Sol)						91.3			74.7			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 805698 (mg/kg), QC Sample No: CU34682 (CU36212, CU36213)														
Chromium, Hexavalent - Soil														
Chromium, Hexavalent	BRL	0.40	<0.39	<0.39	NC	97.9						80 - 120	30	
Chromium, Hexavalent (Ins)						90.8			91.2			80 - 120	30	
Chromium, Hexavalent (Sol)						95.8			<10			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 805526 (mg/L), QC Sample No: CU31783 (CU36210, CU36211, CU36212, CU36213)														
Mercury - Water	BRL	0.0002	<0.0002	<0.0002	NC	85.7			91.6			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 805510 (mg/kg), QC Sample No: CU35794 (CU36210, CU36211, CU36212, CU36213)														
Mercury - Soil	BRL	0.075	<0.084	<0.084	NC	104			103			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 805530 (mg/L), QC Sample No: CU31780 (CU36210, CU36211, CU36212, CU36213)														
ICP Metals - TCLP Extraction														
Arsenic	BRL	0.10	<0.10	<0.10	NC	108	107	0.9	104			80 - 120	20	
Barium	BRL	0.10	1.09	1.46	29.0	105	104	1.0	107			80 - 120	20	r
Cadmium	BRL	0.050	<0.050	<0.050	NC	101	100	1.0	103			80 - 120	20	
Chromium	BRL	0.10	<0.10	<0.10	NC	102	101	1.0	103			80 - 120	20	
Lead	BRL	0.10	0.29	0.39	NC	98.5	97.6	0.9	103			80 - 120	20	
Selenium	BRL	0.10	<0.10	<0.10	NC	116	115	0.9	111			80 - 120	20	
Silver	BRL	0.10	<0.10	<0.10	NC	109	108	0.9	105			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 Data

SDG I.D.: GCU36210

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 805494 (mg/kg), QC Sample No: CU34682 (CU36210, CU36211, CU36212, CU36213)														
ICP Metals - Soil														
Aluminum	BRL	5.0	11400	11400	0	108	108	0.0	NC	NC	NC	75 - 125	30	
Antimony	BRL	1.3	<3.7	<3.8	NC	92.0	98.0	6.3	76.8	81.1	5.4	75 - 125	30	
Arsenic	BRL	0.25	4.25	4.21	0.90	93.3	93.6	0.3	93.8	91.4	2.6	75 - 125	30	
Barium	BRL	0.13	49.6	57.8	15.3	98.6	112	12.7	127	123	3.2	75 - 125	30	m
Beryllium	BRL	0.10	0.44	0.49	NC	96.5	103	6.5	104	102	1.9	75 - 125	30	
Cadmium	BRL	0.13	<0.37	<0.38	NC	88.0	93.6	6.2	99.7	98.5	1.2	75 - 125	30	
Calcium	BRL	1.9	1900	2260	17.3	99.4	103	3.6	NC	NC	NC	75 - 125	30	
Chromium	BRL	0.13	9.77	9.99	2.20	97.2	102	4.8	108	103	4.7	75 - 125	30	
Cobalt	BRL	0.13	5.75	6.35	9.90	98.4	102	3.6	103	102	1.0	75 - 125	30	
Copper	BRL	0.25	24.2	25.4	4.80	102	104	1.9	110	103	6.6	75 - 125	30	
Iron	BRL	8.0	18000	18600	3.30	105	99.3	5.6	NC	NC	NC	75 - 125	30	
Lead	BRL	0.13	34.2	37.1	8.10	93.4	93.1	0.3	102	99.9	2.1	75 - 125	30	
Magnesium	BRL	1.9	1900	2070	8.60	99.8	99.5	0.3	NC	NC	NC	75 - 125	30	
Manganese	BRL	0.35	317	359	12.4	94.4	102	7.7	121	>130	NC	75 - 125	30	m
Nickel	BRL	0.13	10.8	11.8	8.80	96.7	102	5.3	104	102	1.9	75 - 125	30	
Potassium	BRL	1.9	1120	1150	2.60	108	108	0.0	>130	>130	NC	75 - 125	30	m
Selenium	BRL	0.50	<1.5	<1.5	NC	89.0	89.2	0.2	84.4	81.5	3.5	75 - 125	30	
Silver	BRL	0.13	<0.37	<0.38	NC	102	102	0.0	100	99.3	0.7	75 - 125	30	
Sodium	BRL	1.9	45	46.3	2.80	102	107	4.8	>130	129	NC	75 - 125	30	m
Thallium	BRL	1.1	<1.5	<3.4	NC	87.8	92.4	5.1	98.1	96.9	1.2	75 - 125	30	
Vanadium	BRL	0.13	16.4	16.3	0.60	97.9	102	4.1	111	107	3.7	75 - 125	30	
Zinc	BRL	0.25	143	142	0.70	93.8	96.3	2.6	102	76.8	28.2	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%.

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

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NY # 11301

QA/QC Report

October 07, 2025

QA/QC Data

SDG I.D.: GCU36210

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 805723 (mg/Kg), QC Sample No: CU34690 (CU36210, CU36211, CU36212)													
Total Cyanide (SW9010C Distill.)	BRL	0.50	<0.54	<0.54	NC	89.4	104	15.1	102			80 - 120	30
Comment:													
Additional: MS acceptance range is 75-125%.													
QA/QC Batch 805973 (mg/Kg), QC Sample No: CU34991 (CU36210, CU36211, CU36212, CU36213)													
Reactivity Cyanide	BRL	5	<6	<6.1	NC	94.6						85 - 115	30
Reactivity Sulfide	BRL	20	<20	<20	NC	92.0						80 - 120	30
QA/QC Batch 805953 (mg/Kg), QC Sample No: CU37272 (CU36213)													
Total Cyanide (SW9010C Distill.)	BRL	0.50	<0.53	<0.53	NC	94.1	96.0	2.0	103			80 - 120	30
Comment:													
Additional: MS acceptance range is 75-125%.													
QA/QC Batch 805388 (PH), QC Sample No: CU35794 (CU36210, CU36211, CU36212, CU36213)													
pH			8.11	8.10	0.10	100						85 - 115	20
QA/QC Batch 805389 (mV), QC Sample No: CU35794 (CU36210, CU36211, CU36212, CU36213)													
Redox Potential			215	217	NC							75 - 125	30
Comment:													
Additional criteria matrix spike acceptance range is 75-125%.													
QA/QC Batch 805587 (Degree F), QC Sample No: CU36210 (CU36210, CU36211, CU36212)													
Flash Point			>200	>200	NC	104						75 - 125	30
Comment:													
Additional criteria matrix spike acceptance range is 75-125%.													
QA/QC Batch 805760 (Degree F), QC Sample No: CU36372 (CU36213)													
Flash Point			>200	>200	NC	100						75 - 125	30
Comment:													
Additional criteria matrix spike acceptance range is 75-125%.													

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QA/QC Report

October 07, 2025

QA/QC Data

SDG I.D.: GCU36210

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 806100 (mg/kg), QC Sample No: CU37272 (CU36210, CU36211, CU36212, CU36213)										
Extractable Petroleum Hydrocarbons - Soil										
C9-C28	ND	10	97	99	2.0	89	76	15.8	40 - 140	25
C9-C28 #2 Fuel / Diesel			93	111	17.6				40 - 140	25
>C28-C40	ND	10	85	82	3.6	70	75	6.9	40 - 140	25
C9 - Nonane	ND	3.3	81	81	0.0	75	45	50.0	40 - 140	25 r
C10 - Decane	ND	3.3	81	82	1.2	74	64	14.5	40 - 140	25
C12 - Dodecane	ND	3.3	89	89	0.0	82	70	15.8	40 - 140	25
C14 - Tetradecane	ND	3.3	91	91	0.0	86	73	16.4	40 - 140	25
C16 - Hexadecane	ND	3.3	94	95	1.1	90	79	13.0	40 - 140	25
C18 - Octadecane	ND	3.3	119	124	4.1	110	94	15.7	40 - 140	25
C20 - Eicosane	ND	3.3	98	100	2.0	91	81	11.6	40 - 140	25
C21 - Heneicosane	ND	3.3	105	109	3.7	102	85	18.2	40 - 140	25
C22 - Docosane	ND	3.3	119	126	5.7	106	97	8.9	40 - 140	25
C24 - Tetracosane	ND	3.3	95	96	1.0	86	76	12.3	40 - 140	25
C26 - Hexacosane	ND	3.3	95	96	1.0	84	76	10.0	40 - 140	25
C28 - Octacosane	ND	3.3	95	96	1.0	82	76	7.6	40 - 140	25
C30 - Tricotane	ND	3.3	91	94	3.2	77	78	1.3	40 - 140	25
C32 - Dotriacontance	ND	3.3	90	91	1.1	75	78	3.9	40 - 140	25
C34 - Tetratriacontane	ND	3.3	89	87	2.3	73	75	2.7	40 - 140	25
C36 - Hexatriacontane	ND	3.3	83	81	2.4	67	73	8.6	40 - 140	25
C38 - Octatriacontane	ND	3.3	79	72	9.3	63	72	13.3	40 - 140	25
C40 - Tetracontane	ND	3.3	75	65	14.3	63	72	13.3	40 - 140	25
% COD (surr)	77	%	90	86	4.5	69	75	8.3	40 - 140	25
% Terphenyl (surr)	106	%	116	114	1.7	109	96	12.7	40 - 140	25

Comment:

Additional EPH fractionation criteria: Breakthrough criteria (BT) is 0 to 5%

QA/QC Batch 806317 (mg/Kg), QC Sample No: CU36212 (CU36210, CU36211, CU36212, CU36213)

TPH by GC (Extractable Products) - Soil

Ext. Petroleum HC	ND	50	100	90	10.5				30 - 130	30
% Terphenyl-d14	85	%	85	72	16.6				50 - 150	30
% Tricosane(C23)	88	%	83	75	10.1				50 - 150	30

Comment:

The MS/MSD could not be reported due to the presence of ETPH in the original sample.

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 805936 (mg/Kg), QC Sample No: CU36214 (CU36210 (50X) , CU36211 (50X) , CU36212 (50X) , CU36213 (50X))

Gasoline Range Hydrocarbons (C6C10) - Soil

GRO (C6-C10)	ND	0.10	111	112	0.9	108	111	2.7	70 - 130	30
% 2,5-Dibromotoluene (FID)	115	%	112	114	1.8	119	124	4.1	70 - 130	30

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 805545 (ug/L), QC Sample No: CU34101 (CU36210, CU36211, CU36212, CU36213)										
Chlorinated Herbicides										
2,4,5-TP (Silvex)	ND	2.5	83	79	4.9				40 - 140	20
2,4-D	ND	5.0	76	90	16.9				40 - 140	20
% DCAA (Surrogate Rec)	112	%	116	104	10.9				30 - 150	20
% DCAA (Surrogate Rec) (Confirm	129	%	131	111	16.5				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 805499 (ug/Kg), QC Sample No: CU36180 (CU36210, CU36211, CU36212)										
Chlorinated Herbicides - Soil										
2,4,5-T	ND	130	52	55	5.6	66	69	4.4	40 - 140	30
2,4,5-TP (Silvex)	ND	130	70	76	8.2	74	75	1.3	40 - 140	30
2,4-D	ND	250	58	62	6.7	59	60	1.7	40 - 140	30
2,4-DB	ND	2500	50	51	2.0	50	53	5.8	40 - 140	30
Dalapon	ND	130	66	72	8.7	60	63	4.9	40 - 140	30
Dicamba	ND	130	65	69	6.0	57	56	1.8	40 - 140	30
Dichloroprop	ND	130	70	76	8.2	73	73	0.0	40 - 140	30
Dinoseb	ND	130	71	77	8.1	76	75	1.3	40 - 140	30
% DCAA (Surrogate Rec)	79	%	87	86	1.2	88	83	5.8	30 - 150	30
% DCAA (Surrogate Rec) (Confirm	81	%	84	82	2.4	84	80	4.9	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 806307 (ug/Kg), QC Sample No: CU37343 (CU36213)										
Chlorinated Herbicides - Soil										
2,4,5-T	ND	130	72	73	1.4	69	66	4.4	40 - 140	30
2,4,5-TP (Silvex)	ND	130	88	89	1.1	84	81	3.6	40 - 140	30
2,4-D	ND	250	78	81	3.8	80	75	6.5	40 - 140	30
2,4-DB	ND	2500	73	73	0.0	68	69	1.5	40 - 140	30
Dalapon	ND	130	69	79	13.5	76	72	5.4	40 - 140	30
Dicamba	ND	130	70	72	2.8	76	74	2.7	40 - 140	30
Dichloroprop	ND	130	88	87	1.1	83	81	2.4	40 - 140	30
Dinoseb	ND	130	80	77	3.8	73	70	4.2	40 - 140	30
% DCAA (Surrogate Rec)	100	%	106	109	2.8	104	102	1.9	30 - 150	30
% DCAA (Surrogate Rec) (Confirm	105	%	99	100	1.0	80	80	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 806281 (ug/Kg), QC Sample No: CU30712 (CU36210, CU36211, CU36212, CU36213)										
Polychlorinated Biphenyls - Soil										
PCB-1016	ND	33	67	76	12.6	59	61	3.3	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	76	75	1.3	57	65	13.1	40 - 140	30
PCB-1262	ND	33							40 - 140	30
PCB-1268	ND	33							40 - 140	30
% DCBP (Surrogate Rec)	81	%	83	83	0.0	59	69	15.6	30 - 150	30

QA/QC Data

SDG I.D.: GCU36210

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
% DCBP (Surrogate Rec) (Confirm	70	%	76	82	7.6	58	68	15.9	30 - 150	30
% TCMX (Surrogate Rec)	75	%	77	88	13.3	71	74	4.1	30 - 150	30
% TCMX (Surrogate Rec) (Confirm	69	%	74	84	12.7	68	73	7.1	30 - 150	30
QA/QC Batch 805667 (ug/L), QC Sample No: CU34990 (CU36210, CU36211)										
Pesticides										
4,4' -DDD	ND	0.25	71	84	16.8	81			40 - 140	20
4,4' -DDE	ND	0.25	69	81	16.0	80			40 - 140	20
4,4' -DDT	ND	0.25	75	89	17.1	88			40 - 140	20
a-BHC	ND	0.15	66	77	15.4	78			40 - 140	20
Alachlor	ND	0.50	NA	NA	NC	NA			40 - 140	20
Aldrin	ND	0.15	66	76	14.1	76			40 - 140	20
b-BHC	ND	0.15	81	93	13.8	93			40 - 140	20
Chlordane	ND	5.0	68	79	15.0	79			40 - 140	20
d-BHC	ND	0.50	74	87	16.1	86			40 - 140	20
Dieldrin	ND	0.15	72	85	16.6	83			40 - 140	20
Endosulfan I	ND	0.50	69	79	13.5	77			40 - 140	20
Endosulfan II	ND	0.50	78	92	16.5	92			40 - 140	20
Endosulfan sulfate	ND	0.50	84	99	16.4	97			40 - 140	20
Endrin	ND	0.50	81	93	13.8	96			40 - 140	20
Endrin aldehyde	ND	0.50	79	91	14.1	90			40 - 140	20
g-BHC	ND	0.15	72	82	13.0	83			40 - 140	20
Heptachlor	ND	0.50	66	75	12.8	76			40 - 140	20
Heptachlor epoxide	ND	0.50	64	74	14.5	74			40 - 140	20
Methoxychlor	ND	0.50	81	95	15.9	94			40 - 140	20
Toxaphene	ND	20	NA	NA	NC	NA			40 - 140	20
% DCBP	66	%	76	88	14.6	87			30 - 150	20
% DCBP (Confirmation)	53	%	60	68	12.5	69			30 - 150	20
% TCMX	47	%	62	68	9.2	69			30 - 150	20
% TCMX (Confirmation)	51	%	67	75	11.3	70			30 - 150	20
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 806039 (ug/L), QC Sample No: CU36084 (CU36212, CU36213)										
Pesticides										
4,4' -DDD	ND	0.25	96	85	12.2	96			40 - 140	20
4,4' -DDE	ND	0.25	90	82	9.3	92			40 - 140	20
4,4' -DDT	ND	0.25	98	91	7.4	101			40 - 140	20
a-BHC	ND	0.15	85	78	8.6	85			40 - 140	20
Alachlor	ND	0.50	NA	NA	NC	NA			40 - 140	20
Aldrin	ND	0.15	87	79	9.6	86			40 - 140	20
b-BHC	ND	0.15	107	96	10.8	107			40 - 140	20
Chlordane	ND	5.0	90	82	9.3	93			40 - 140	20
d-BHC	ND	0.50	96	86	11.0	95			40 - 140	20
Dieldrin	ND	0.15	95	86	9.9	97			40 - 140	20
Endosulfan I	ND	0.50	88	80	9.5	93			40 - 140	20
Endosulfan II	ND	0.50	103	95	8.1	106			40 - 140	20
Endosulfan sulfate	ND	0.50	111	100	10.4	113			40 - 140	20
Endrin	ND	0.50	107	96	10.8	107			40 - 140	20
Endrin aldehyde	ND	0.50	104	94	10.1	105			40 - 140	20
g-BHC	ND	0.15	93	83	11.4	92			40 - 140	20
Heptachlor	ND	0.50	83	76	8.8	84			40 - 140	20
Heptachlor epoxide	ND	0.50	84	76	10.0	86			40 - 140	20

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Methoxychlor	ND	0.50	106	98	7.8	109			40 - 140	20	
Toxaphene	ND	20	NA	NA	NC	NA			40 - 140	20	
% DCBP	99	%	97	88	9.7	99			30 - 150	20	
% DCBP (Confirmation)	80	%	79	73	7.9	77			30 - 150	20	
% TCMX	76	%	77	70	9.5	76			30 - 150	20	
% TCMX (Confirmation)	79	%	82	76	7.6	76			30 - 150	20	

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 806282 (ug/Kg), QC Sample No: CU39133 (CU36210, CU36211, CU36212, CU36213)

Pesticides - Soil

4,4' -DDD	ND	1.7	78	76	2.6	68	47	36.5	40 - 140	30	r
4,4' -DDE	ND	1.7	70	69	1.4	63	47	29.1	40 - 140	30	
4,4' -DDT	ND	1.7	71	69	2.9	72	48	40.0	40 - 140	30	r
a-BHC	ND	1.0	63	63	0.0	58	46	23.1	40 - 140	30	
a-Chlordane	ND	3.3	79	77	2.6	69	56	20.8	40 - 140	30	
Aldrin	ND	1.0	70	68	2.9	62	50	21.4	40 - 140	30	
b-BHC	ND	1.0	80	78	2.5	65	52	22.2	40 - 140	30	
Chlordane	ND	33	72	74	2.7	71	54	27.2	40 - 140	30	
d-BHC	ND	3.3	68	67	1.5	54	40	29.8	40 - 140	30	
Dieldrin	ND	1.0	74	73	1.4	65	47	32.1	40 - 140	30	r
Endosulfan I	ND	3.3	67	67	0.0	62	47	27.5	40 - 140	30	
Endosulfan II	ND	3.3	79	79	0.0	69	49	33.9	40 - 140	30	r
Endosulfan sulfate	ND	3.3	89	85	4.6	76	53	35.7	40 - 140	30	r
Endrin	ND	3.3	71	72	1.4	79	58	30.7	40 - 140	30	r
Endrin aldehyde	ND	3.3	84	84	0.0	64	42	41.5	40 - 140	30	r
Endrin ketone	ND	3.3	97	96	1.0	79	54	37.6	40 - 140	30	r
g-BHC	ND	1.0	71	69	2.9	63	51	21.1	40 - 140	30	
g-Chlordane	ND	3.3	72	74	2.7	71	54	27.2	40 - 140	30	
Heptachlor	ND	3.3	65	63	3.1	60	46	26.4	40 - 140	30	
Heptachlor epoxide	ND	3.3	65	63	3.1	56	42	28.6	40 - 140	30	
Methoxychlor	ND	3.3	98	90	8.5	79	58	30.7	40 - 140	30	r
Toxaphene	ND	130	NA	NA	NC	NA	NA	NC	40 - 140	30	
% DCBP	79	%	80	78	2.5	75	59	23.9	30 - 150	30	
% DCBP (Confirmation)	75	%	68	74	8.5	64	55	15.1	30 - 150	30	
% TCMX	63	%	64	62	3.2	59	46	24.8	30 - 150	30	
% TCMX (Confirmation)	65	%	66	68	3.0	63	56	11.8	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 805596 (ug/L), QC Sample No: CU36210 (CU36210, CU36211, CU36212)

Semivolatiles - TCLP

1,4-Dichlorobenzene	ND	17	69	65	6.0	78			40 - 140	20	
2,4,5-Trichlorophenol	ND	17	92	90	2.2	112			40 - 140	20	
2,4,6-Trichlorophenol	ND	17	98	96	2.1	116			30 - 130	20	
2,4-Dinitrotoluene	ND	58	112	110	1.8	132			30 - 130	20	m
2-Methylphenol (o-cresol)	ND	17	80	80	0.0	97			40 - 140	20	
3&4-Methylphenol (m&p-cresol)	ND	17	96	95	1.0	111			30 - 130	20	
Hexachlorobenzene	ND	58	89	87	2.3	109			40 - 140	20	
Hexachlorobutadiene	ND	58	73	68	7.1	77			40 - 140	20	
Hexachloroethane	ND	58	69	65	6.0	75			40 - 140	20	
Nitrobenzene	ND	58	88	85	3.5	102			40 - 140	20	

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Pentachlorophenol	ND	58	103	99	4.0	107			30 - 130	20	
Pyridine	ND	83	65	62	4.7	64			40 - 140	20	
% 2,4,6-Tribromophenol	78	%	94	90	4.3	114			15 - 110	20	m
% 2-Fluorobiphenyl	60	%	76	73	4.0	92			30 - 130	20	
% 2-Fluorophenol	65	%	73	72	1.4	90			15 - 110	20	
% Nitrobenzene-d5	68	%	80	78	2.5	92			30 - 130	20	
% Phenol-d5	59	%	67	64	4.6	80			15 - 110	20	
% Terphenyl-d14	74	%	84	83	1.2	103			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 Batch 805903 (ug/L), QC Sample No: CU36213 (CU36213)

Semivolatiles - TCLP

1,4-Dichlorobenzene	ND	17	64	56	13.3	62			40 - 140	20	
2,4,5-Trichlorophenol	ND	17	90	83	8.1	96			40 - 140	20	
2,4,6-Trichlorophenol	ND	17	95	88	7.7	96			30 - 130	20	
2,4-Dinitrotoluene	ND	58	94	87	7.7	102			30 - 130	20	
2-Methylphenol (o-cresol)	ND	17	85	79	7.3	82			40 - 140	20	
3&4-Methylphenol (m&p-cresol)	ND	17	92	84	9.1	89			30 - 130	20	
Hexachlorobenzene	ND	58	84	77	8.7	91			40 - 140	20	
Hexachlorobutadiene	ND	58	66	60	9.5	63			40 - 140	20	
Hexachloroethane	ND	58	70	61	13.7	65			40 - 140	20	
Nitrobenzene	ND	58	94	87	7.7	95			40 - 140	20	
Pentachlorophenol	ND	58	104	91	13.3	110			30 - 130	20	
Pyridine	ND	83	74	71	4.1	75			40 - 140	20	
% 2,4,6-Tribromophenol	99	%	102	91	11.4	105			15 - 110	20	
% 2-Fluorobiphenyl	64	%	67	63	6.2	65			30 - 130	20	
% 2-Fluorophenol	61	%	67	61	9.4	64			15 - 110	20	
% Nitrobenzene-d5	79	%	80	72	10.5	77			30 - 130	20	
% Phenol-d5	58	%	61	57	6.8	58			15 - 110	20	
% Terphenyl-d14	73	%	76	70	8.2	79			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 Batch 806210 (ug/kg), QC Sample No: CU39032 (CU36210, CU36211, CU36212, CU36213)

Semivolatiles - Soil

1,1-Biphenyl	ND	230	61	59	3.3	59	57	3.4	40 - 140	30	
1,2,4,5-Tetrachlorobenzene	ND	230	59	57	3.4	58	56	3.5	40 - 140	30	
2,2'-Oxybis(1-Chloropropane)	ND	230	50	50	0.0	50	49	2.0	40 - 140	30	
2,3,4,6-tetrachlorophenol	ND	230	71	69	2.9	68	67	1.5	30 - 130	30	
2,4,5-Trichlorophenol	ND	230	69	70	1.4	67	66	1.5	40 - 140	30	
2,4,6-Trichlorophenol	ND	130	76	75	1.3	77	74	4.0	30 - 130	30	
2,4-Dichlorophenol	ND	130	74	71	4.1	72	71	1.4	30 - 130	30	
2,4-Dimethylphenol	ND	230	72	70	2.8	69	66	4.4	30 - 130	30	
2,4-Dinitrophenol	ND	230	79	78	1.3	65	46	34.2	30 - 130	30	r
2,4-Dinitrotoluene	ND	130	79	78	1.3	74	72	2.7	30 - 130	30	
2,6-Dinitrotoluene	ND	130	76	75	1.3	73	70	4.2	40 - 140	30	
2-Chloronaphthalene	ND	230	63	61	3.2	62	60	3.3	40 - 140	30	
2-Chlorophenol	ND	230	68	67	1.5	67	66	1.5	30 - 130	30	
2-Methylnaphthalene	ND	230	69	68	1.5	68	66	3.0	40 - 140	30	
2-Methylphenol (o-cresol)	ND	230	62	61	1.6	62	59	5.0	40 - 140	30	
2-Nitroaniline	ND	330	99	94	5.2	87	85	2.3	40 - 140	30	

QA/QC Data

SDG I.D.: GCU36210

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
2-Nitrophenol	ND	230	70	69	1.4	71	69	2.9	40 - 140	30	
3&4-Methylphenol (m&p-cresol)	ND	230	73	73	0.0	73	70	4.2	30 - 130	30	
3,3'-Dichlorobenzidine	ND	130	86	83	3.6	74	75	1.3	40 - 140	30	
3-Nitroaniline	ND	330	88	86	2.3	81	80	1.2	40 - 140	30	
4,6-Dinitro-2-methylphenol	ND	230	84	82	2.4	76	61	21.9	30 - 130	30	
4-Bromophenyl phenyl ether	ND	230	69	66	4.4	66	64	3.1	40 - 140	30	
4-Chloro-3-methylphenol	ND	230	76	74	2.7	73	71	2.8	30 - 130	30	
4-Chloroaniline	ND	230	68	65	4.5	63	63	0.0	40 - 140	30	
4-Chlorophenyl phenyl ether	ND	230	66	64	3.1	64	61	4.8	40 - 140	30	
4-Nitroaniline	ND	230	77	75	2.6	73	70	4.2	40 - 140	30	
4-Nitrophenol	ND	230	105	103	1.9	114	104	9.2	30 - 130	30	
Acenaphthene	ND	230	65	63	3.1	63	59	6.6	30 - 130	30	
Acenaphthylene	ND	130	57	55	3.6	56	53	5.5	40 - 140	30	
Acetophenone	ND	230	64	64	0.0	63	60	4.9	40 - 140	30	
Anthracene	ND	230	67	64	4.6	65	63	3.1	40 - 140	30	
Atrazine	ND	130	65	62	4.7	58	61	5.0	40 - 140	30	
Benz(a)anthracene	ND	230	67	64	4.6	63	61	3.2	40 - 140	30	
Benzaldehyde	ND	230	122	120	1.7	125	122	2.4	40 - 140	30	
Benzo(a)pyrene	ND	130	66	63	4.7	59	59	0.0	40 - 140	30	
Benzo(b)fluoranthene	ND	160	71	67	5.8	64	64	0.0	40 - 140	30	
Benzo(ghi)perylene	ND	230	69	65	6.0	55	53	3.7	40 - 140	30	
Benzo(k)fluoranthene	ND	230	69	67	2.9	62	60	3.3	40 - 140	30	
Benzyl butyl phthalate	ND	230	74	72	2.7	69	66	4.4	40 - 140	30	
Bis(2-chloroethoxy)methane	ND	230	64	62	3.2	61	60	1.7	40 - 140	30	
Bis(2-chloroethyl)ether	ND	130	59	59	0.0	58	55	5.3	40 - 140	30	
Bis(2-ethylhexyl)phthalate	ND	230	76	73	4.0	70	68	2.9	40 - 140	30	
Caprolactam	ND	230	74	71	4.1	69	67	2.9	40 - 140	30	
Carbazole	ND	230	70	67	4.4	66	65	1.5	40 - 140	30	
Chrysene	ND	230	65	63	3.1	58	58	0.0	40 - 140	30	
Dibenz(a,h)anthracene	ND	130	69	67	2.9	56	58	3.5	40 - 140	30	
Dibenzofuran	ND	230	66	64	3.1	64	61	4.8	40 - 140	30	
Diethyl phthalate	ND	230	70	68	2.9	66	64	3.1	40 - 140	30	
Dimethylphthalate	ND	230	68	67	1.5	65	62	4.7	40 - 140	30	
Di-n-butylphthalate	ND	670	74	72	2.7	70	68	2.9	40 - 140	30	
Di-n-octylphthalate	ND	230	79	76	3.9	76	75	1.3	40 - 140	30	
Fluoranthene	ND	230	67	64	4.6	61	61	0.0	40 - 140	30	
Fluorene	ND	230	67	66	1.5	65	63	3.1	40 - 140	30	
Hexachlorobenzene	ND	130	67	64	4.6	61	60	1.7	40 - 140	30	
Hexachlorobutadiene	ND	230	56	57	1.8	57	56	1.8	40 - 140	30	
Hexachlorocyclopentadiene	ND	230	46	49	6.3	42	34	21.1	40 - 140	30	m
Hexachloroethane	ND	130	54	54	0.0	55	52	5.6	40 - 140	30	
Indeno(1,2,3-cd)pyrene	ND	230	71	68	4.3	59	57	3.4	40 - 140	30	
Isophorone	ND	130	59	57	3.4	56	55	1.8	40 - 140	30	
Naphthalene	ND	230	58	58	0.0	58	56	3.5	40 - 140	30	
Nitrobenzene	ND	130	67	66	1.5	66	64	3.1	40 - 140	30	
N-Nitrosodimethylamine	ND	230	58	59	1.7	58	55	5.3	40 - 140	30	
N-Nitrosodi-n-propylamine	ND	130	63	62	1.6	62	60	3.3	40 - 140	30	
N-Nitrosodiphenylamine	ND	130	63	60	4.9	60	56	6.9	40 - 140	30	
Pentachlorophenol	ND	230	82	80	2.5	80	80	0.0	30 - 130	30	
Phenanthrene	ND	130	66	63	4.7	64	62	3.2	40 - 140	30	
Phenol	ND	230	72	71	1.4	71	69	2.9	30 - 130	30	
Pyrene	ND	230	67	64	4.6	62	61	1.6	30 - 130	30	
% 2,4,6-Tribromophenol	69	%	70	70	0.0	68	69	1.5	30 - 130	30	

Parameter	Blank	Blk RL		LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
% 2-Fluorobiphenyl	59	%		59	58	1.7	57	56	1.8	30 - 130	30
% 2-Fluorophenol	64	%		61	61	0.0	60	58	3.4	30 - 130	30
% Nitrobenzene-d5	56	%		60	60	0.0	60	58	3.4	30 - 130	30
% Phenol-d5	64	%		63	63	0.0	63	61	3.2	30 - 130	30
% Terphenyl-d14	64	%		64	61	4.8	61	59	3.3	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 805770 (ug/L), QC Sample No: CU35575 (CU36210 (10X) , CU36211 (10X) , CU36212 (10X))

Volatiles - TCLP

1,1-Dichloroethene	ND	5.0		93	92	1.1				70 - 130	20
1,2-Dichloroethane	ND	0.60		98	98	0.0				70 - 130	20
1,4-Dichlorobenzene	ND	1.0		99	99	0.0				70 - 130	20
Benzene	ND	0.70		100	99	1.0				70 - 130	20
Carbon tetrachloride	ND	5.0		94	97	3.1				70 - 130	20
Chlorobenzene	ND	1.0		99	100	1.0				70 - 130	20
Chloroform	ND	5.0		93	94	1.1				70 - 130	20
Methyl ethyl ketone	ND	5.0		106	106	0.0				70 - 130	20
Tetrachloroethene	ND	1.0		104	102	1.9				70 - 130	20
Trichloroethene	ND	5.0		100	101	1.0				70 - 130	20
Vinyl chloride	ND	5.0		102	102	0.0				70 - 130	20
% 1,2-dichlorobenzene-d4	99	%		99	98	1.0				70 - 130	20
% Bromofluorobenzene	97	%		101	102	1.0				70 - 130	20
% Dibromofluoromethane	101	%		94	94	0.0				70 - 130	20
% Toluene-d8	95	%		98	98	0.0				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 805786 (ug/L), QC Sample No: CU36306 (CU36213 (10X))

Volatiles - TCLP

1,1-Dichloroethene	ND	5.0		91	96	5.3	99	103	4.0	70 - 130	20
1,2-Dichloroethane	ND	0.60		98	101	3.0	102	107	4.8	70 - 130	20
1,4-Dichlorobenzene	ND	1.0		94	100	6.2	96	105	9.0	70 - 130	20
Benzene	ND	0.70		98	101	3.0	103	107	3.8	70 - 130	20
Carbon tetrachloride	ND	5.0		94	100	6.2	106	108	1.9	70 - 130	20
Chlorobenzene	ND	1.0		97	102	5.0	101	106	4.8	70 - 130	20
Chloroform	ND	5.0		96	98	2.1	101	104	2.9	70 - 130	20
Methyl ethyl ketone	ND	5.0		96	102	6.1	110	111	0.9	70 - 130	20
Tetrachloroethene	ND	1.0		100	104	3.9	110	113	2.7	70 - 130	20
Trichloroethene	ND	5.0		100	103	3.0	106	110	3.7	70 - 130	20
Vinyl chloride	ND	5.0		98	101	3.0	104	111	6.5	70 - 130	20
% 1,2-dichlorobenzene-d4	99	%		100	100	0.0	100	98	2.0	70 - 130	20
% Bromofluorobenzene	94	%		100	100	0.0	100	100	0.0	70 - 130	20
% Dibromofluoromethane	100	%		94	95	1.1	96	96	0.0	70 - 130	20
% Toluene-d8	95	%		98	98	0.0	98	98	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 806035 (ug/kg), QC Sample No: CU36584 (CU36210, CU36211, CU36212, CU36213)

Volatiles - Soil (Low Level)

1,1,1-Trichloroethane	ND	5.0		120	117	2.5	117	125	6.6	70 - 130	20

QA/QC Data

SDG I.D.: GCU36210

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,1,2,2-Tetrachloroethane	ND	3.0	99	99	0.0	101	121	18.0	70 - 130	20	
1,1,2-Trichloroethane	ND	5.0	105	106	0.9	98	105	6.9	70 - 130	20	
1,1-Dichloroethane	ND	5.0	91	91	0.0	87	97	10.9	70 - 130	20	
1,1-Dichloroethene	ND	5.0	99	97	2.0	91	98	7.4	70 - 130	20	
1,2,3-Trichlorobenzene	ND	5.0	110	109	0.9	56	59	5.2	70 - 130	20	m
1,2,3-Trichloropropane	ND	5.0	109	109	0.0	110	136	21.1	70 - 130	20	m,r
1,2,4-Trichlorobenzene	ND	5.0	115	113	1.8	59	62	5.0	70 - 130	20	m
1,2,4-Trimethylbenzene	ND	1.0	113	111	1.8	106	123	14.8	70 - 130	20	
1,2-Dibromo-3-chloropropane	ND	5.0	116	116	0.0	99	120	19.2	70 - 130	20	
1,2-Dibromoethane	ND	5.0	111	111	0.0	100	109	8.6	70 - 130	20	
1,2-Dichlorobenzene	ND	5.0	103	101	2.0	81	92	12.7	70 - 130	20	
1,2-Dichloroethane	ND	5.0	121	120	0.8	117	123	5.0	70 - 130	20	
1,2-Dichloropropane	ND	5.0	97	97	0.0	94	98	4.2	70 - 130	20	
1,3,5-Trimethylbenzene	ND	1.0	114	114	0.0	114	133	15.4	70 - 130	20	m
1,3-Dichlorobenzene	ND	5.0	106	105	0.9	85	95	11.1	70 - 130	20	
1,3-Dichloropropane	ND	5.0	106	106	0.0	102	111	8.5	70 - 130	20	
1,4-Dichlorobenzene	ND	5.0	105	103	1.9	79	90	13.0	70 - 130	20	
1,4-dioxane	ND	100	114	103	10.1	115	131	13.0	70 - 130	20	m
2-Hexanone	ND	25	115	115	0.0	83	73	12.8	70 - 130	20	
4-Methyl-2-pentanone	ND	25	115	118	2.6	101	99	2.0	70 - 130	20	
Acetone	ND	10	99	102	3.0	78	82	5.0	70 - 130	20	
Benzene	ND	1.0	102	100	2.0	95	100	5.1	70 - 130	20	
Bromochloromethane	ND	5.0	99	96	3.1	78	95	19.7	70 - 130	20	
Bromodichloromethane	ND	5.0	116	114	1.7	111	119	7.0	70 - 130	20	
Bromoform	ND	5.0	123	123	0.0	108	121	11.4	70 - 130	20	
Bromomethane	ND	5.0	118	113	4.3	99	103	4.0	70 - 130	20	
Carbon Disulfide	ND	5.0	99	97	2.0	82	88	7.1	70 - 130	20	
Carbon tetrachloride	ND	5.0	115	116	0.9	112	123	9.4	70 - 130	20	
Chlorobenzene	ND	5.0	105	103	1.9	93	99	6.3	70 - 130	20	
Chloroethane	ND	5.0	105	102	2.9	98	105	6.9	70 - 130	20	
Chloroform	ND	5.0	108	105	2.8	98	109	10.6	70 - 130	20	
Chloromethane	ND	5.0	101	99	2.0	87	95	8.8	70 - 130	20	
cis-1,2-Dichloroethene	ND	5.0	100	98	2.0	76	93	20.1	70 - 130	20	
cis-1,3-Dichloropropene	ND	5.0	111	110	0.9	94	100	6.2	70 - 130	20	
Cyclohexane	ND	5.0	104	101	2.9	85	103	19.1	70 - 130	20	
Dibromochloromethane	ND	3.0	114	113	0.9	110	121	9.5	70 - 130	20	
Dichlorodifluoromethane	ND	5.0	122	120	1.7	107	118	9.8	70 - 130	20	
Ethylbenzene	ND	1.0	108	105	2.8	102	109	6.6	70 - 130	20	
Isopropylbenzene	ND	1.0	105	104	1.0	113	132	15.5	70 - 130	20	m
m&p-Xylene	ND	2.0	108	105	2.8	99	106	6.8	70 - 130	20	
Methyl ethyl ketone	ND	5.0	104	103	1.0	84	85	1.2	70 - 130	20	
Methyl t-butyl ether (MTBE)	ND	1.0	109	109	0.0	106	112	5.5	70 - 130	20	
Methylacetate	ND	5.0	101	98	3.0	70	65	7.4	70 - 130	20	m
Methylcyclohexane	ND	5.0	120	117	2.5	110	124	12.0	70 - 130	20	
Methylene chloride	ND	5.0	85	82	3.6	78	82	5.0	70 - 130	20	
n-Butylbenzene	ND	1.0	115	113	1.8	95	113	17.3	70 - 130	20	
n-Propylbenzene	ND	1.0	105	103	1.9	103	122	16.9	70 - 130	20	
o-Xylene	ND	2.0	105	103	1.9	96	103	7.0	70 - 130	20	
p-Isopropyltoluene	ND	1.0	114	113	0.9	107	125	15.5	70 - 130	20	
sec-Butylbenzene	ND	1.0	109	108	0.9	106	128	18.8	70 - 130	20	
Styrene	ND	5.0	109	107	1.9	89	93	4.4	70 - 130	20	
tert-Butylbenzene	ND	1.0	111	109	1.8	116	137	16.6	70 - 130	20	m
Tetrachloroethene	ND	5.0	116	113	2.6	105	114	8.2	70 - 130	20	

QA/QC Data

SDG I.D.: GCU36210

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Toluene	ND	1.0	103	101	2.0	93	99	6.3	70 - 130	20	
trans-1,2-Dichloroethene	ND	5.0	99	96	3.1	84	88	4.7	70 - 130	20	
trans-1,3-Dichloropropene	ND	5.0	122	122	0.0	97	103	6.0	70 - 130	20	
Trichloroethene	ND	5.0	109	107	1.9	101	107	5.8	70 - 130	20	
Trichlorofluoromethane	ND	5.0	127	125	1.6	123	133	7.8	70 - 130	20	m
Trichlorotrifluoroethane	ND	5.0	124	122	1.6	119	126	5.7	70 - 130	20	
Vinyl chloride	ND	5.0	94	92	2.2	84	89	5.8	70 - 130	20	
% 1,2-dichlorobenzene-d4	101	%	101	101	0.0	100	105	4.9	70 - 130	20	
% Bromofluorobenzene	94	%	101	100	1.0	95	92	3.2	70 - 130	20	
% Dibromofluoromethane	96	%	97	99	2.0	96	98	2.1	70 - 130	20	
% Toluene-d8	91	%	96	95	1.0	96	95	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 806433H (ug/kg), QC Sample No: CU38879 50X (CU36212 (50X))

Volatiles - Soil (High Level)

1,1,2,2-Tetrachloroethane	ND	250	101	98	3.0	74	89	18.4	70 - 130	20	
1,2,3-Trichlorobenzene	ND	250	117	118	0.9	90	108	18.2	70 - 130	20	
1,2,4-Trichlorobenzene	ND	250	124	124	0.0	94	114	19.2	70 - 130	20	
1,2,4-Trimethylbenzene	ND	250	111	112	0.9	86	103	18.0	70 - 130	20	
1,2-Dibromo-3-chloropropane	ND	250	112	111	0.9	83	102	20.5	70 - 130	20	
1,2-Dichlorobenzene	ND	250	104	104	0.0	79	96	19.4	70 - 130	20	
1,3,5-Trimethylbenzene	ND	250	111	113	1.8	86	103	18.0	70 - 130	20	
1,3-Dichlorobenzene	ND	250	106	107	0.9	80	97	19.2	70 - 130	20	
1,4-Dichlorobenzene	ND	250	106	106	0.0	81	97	18.0	70 - 130	20	
Isopropylbenzene	ND	250	99	99	0.0	76	91	18.0	70 - 130	20	
% 1,2-dichlorobenzene-d4	103	%	101	101	0.0	103	101	2.0	70 - 130	20	
% Bromofluorobenzene	100	%	104	104	0.0	102	105	2.9	70 - 130	20	
% Dibromofluoromethane	96	%	96	97	1.0	98	94	4.2	70 - 130	20	
% Toluene-d8	93	%	97	97	0.0	94	96	2.1	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%.

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
October 07, 2025

Tuesday, October 07, 2025

Criteria: NY: 375, 375COM, 375RRS

State: NY

Sample Criteria Exceedances Report

GCU36210 - AES-EASTSIDE

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CU36210	HG-SMDMA	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.730	0.09	0.18	0.18	mg/Kg
CU36210	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	125	0.36	63	63	mg/Kg
CU36211	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Commercial	2700	260	1000	1000	ug/Kg
CU36211	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	3500	260	1000	1000	ug/Kg
CU36211	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	2600	260	1000	1000	ug/Kg
CU36211	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	2700	260	1000	1000	ug/Kg
CU36211	$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1900	260	500	500	ug/Kg
CU36211	$8270_TCLR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	410	180	330	330	ug/Kg
CU36211	$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1900	260	500	500	ug/Kg
CU36211	$8270_TCLR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	410	180	330	330	ug/Kg
CU36211	$8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2300	260	1000	1000	ug/Kg
CU36211	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3500	260	1000	1000	ug/Kg
CU36211	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2700	260	1000	1000	ug/Kg
CU36211	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2600	260	1000	1000	ug/Kg
CU36211	$8270_TCLR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1200	260	800	800	ug/Kg
CU36211	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	149	0.7	50	50	mg/kg
CU36211	HG-SMDMA	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.530	0.084	0.18	0.18	mg/Kg
CU36211	PB-SM	Lead	NY / 375-6.8 Metals / Residential Restricted	426	0.35	400	400	mg/Kg
CU36211	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	426	0.35	63	63	mg/Kg
CU36211	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	230	0.7	109	109	mg/Kg
CU36212	$8260_TCL_SM	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	89	50	50	50	ug/kg
CU36212	$8270_TCLR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Commercial	5700	210	560	560	ug/Kg
CU36212	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Commercial	30000	1500	5600	5600	ug/Kg
CU36212	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Commercial	14000	1500	5600	5600	ug/Kg
CU36212	$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Commercial	24000	1500	5600	5600	ug/Kg
CU36212	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Commercial	29000	1500	1000	1000	ug/Kg
CU36212	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	30000	1500	1000	1000	ug/Kg
CU36212	$8270_TCLR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	8000	300	3900	3900	ug/Kg
CU36212	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	29000	1500	1000	1000	ug/Kg
CU36212	$8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Residential Restricted	13000	1500	3900	3900	ug/Kg
CU36212	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	14000	1500	1000	1000	ug/Kg
CU36212	$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	24000	1500	500	500	ug/Kg
CU36212	$8270_TCLR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	5700	210	330	330	ug/Kg
CU36212	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	14000	1500	1000	1000	ug/Kg
CU36212	$8270_TCLR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	8000	300	800	800	ug/Kg
CU36212	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	30000	1500	1000	1000	ug/Kg
CU36212	$8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	13000	1500	1000	1000	ug/Kg
CU36212	$8270_TCLR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	5700	210	330	330	ug/Kg
CU36212	$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	24000	1500	500	500	ug/Kg
CU36212	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	29000	1500	1000	1000	ug/Kg

Tuesday, October 07, 2025

Criteria: NY: 375, 375COM, 375RRS

State: NY

Sample Criteria Exceedances Report

GCU36210 - AES-EASTSIDE

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CU36212	AS-SM	Arsenic	NY / 375-6.8 Metals / Commercial	21.4	0.82	16	16	mg/Kg
CU36212	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential Restricted	21.4	0.82	16	16	mg/Kg
CU36212	AS-SM	Arsenic	NY / 375-6.8 Metals / Unrestricted Use Soil	21.4	0.82	13	13	mg/Kg
CU36212	BA-SM	Barium	NY / 375-6.8 Metals / Commercial	506	0.41	400	400	mg/Kg
CU36212	BA-SM	Barium	NY / 375-6.8 Metals / Residential Restricted	506	0.41	400	400	mg/Kg
CU36212	BA-SM	Barium	NY / 375-6.8 Metals / Unrestricted Use Soil	506	0.41	350	350	mg/Kg
CU36212	CU-SM	Copper	NY / 375-6.8 Metals / Commercial	412	0.8	270	270	mg/kg
CU36212	CU-SM	Copper	NY / 375-6.8 Metals / Residential Restricted	412	0.8	270	270	mg/kg
CU36212	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	412	0.8	50	50	mg/kg
CU36212	HG-SMDMA	Mercury	NY / 375-6.8 Metals / Residential Restricted	1.32	0.096	0.81	0.81	mg/Kg
CU36212	HG-SMDMA	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	1.32	0.096	0.18	0.18	mg/Kg
CU36212	PB-SM	Lead	NY / 375-6.8 Metals / Commercial	1800	0.41	1000	1000	mg/Kg
CU36212	PB-SM	Lead	NY / 375-6.8 Metals / Residential Restricted	1800	0.41	400	400	mg/Kg
CU36212	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	1800	0.41	63	63	mg/Kg
CU36212	TCLP-PB	TCLP Lead	EPA / 40 CFR 261.24 / Toxicity Characteristics	17.7	0.10	5	5	mg/L
CU36212	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	735	0.8	109	109	mg/Kg
CU36213	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	229	0.8	50	50	mg/kg
CU36213	HG-SMDMA	Mercury	NY / 375-6.8 Metals / Residential Restricted	2.29	0.1	0.81	0.81	mg/Kg
CU36213	HG-SMDMA	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	2.29	0.1	0.18	0.18	mg/Kg
CU36213	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	380	0.40	63	63	mg/Kg
CU36213	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	245	0.8	109	109	mg/Kg

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Comments

October 07, 2025 SDG I.D.: GCU36210

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

PCB Narration

AU-ECD29 10/03/25-1: CU36210, CU36211, CU36212, CU36213

The following Continuing Calibration compounds did not meet % deviation criteria:
Samples: CU36210, CU36211, CU36212, CU36213
Preceding CC O03B003 - None.
Succeeding CC O03B020 - DCBP SURR 24%L (20%)

PEST Narration

AU-ECD35 10/03/25-1: CU36210, CU36211, CU36213

The following Continuing Calibration compounds did not meet % deviation criteria:
Samples: CU36210, CU36211, CU36213
Preceding CC O03B004 - None.
Succeeding CC O03B016 - 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 09/30/25-1: CU36210, CU36211

The following Continuing Calibration compounds did not meet % deviation criteria:
Samples: CU36210, CU36211
Preceding CC 930B046 - None.
Succeeding CC 930B053 - Endrin aldehyde 21%H (20%)

SVOA Narration

CHEM06 10/01/25-1: CU36213

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 Continuing Calibration compounds did not meet % deviation criteria: % 2,4,6-Tribromophenol 26%H (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%.

CHEM22 09/29/25-2: CU36210, CU36211, CU36212

The following Initial Calibration compounds did not meet recommended response factors: Hexachlorobenzene 0.084 (0.1)
The following Initial Calibration compounds did not meet minimum response factors: None.

The following Continuing Calibration compounds did not meet recommended response factors: Hexachlorobenzene 0.085 (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 10/02/25-3: CU36210, CU36211, CU36212, CU36213

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

NY # 11301

Analysis Comments

October 07, 2025 SDG I.D.: GCU36210

The following Initial Calibration compounds did not meet recommended response factors: 2-Nitrophenol 0.052 (0.1), Hexachlorobenzene 0.092 (0.1)
The following Initial Calibration compounds did not meet minimum response factors: None.

The following Continuing Calibration compounds did not meet recommended response factors: 2-Nitrophenol 0.056 (0.1), Hexachlorobenzene 0.090 (0.1)
The following Continuing Calibration compounds did not meet minimum response factors: None.

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

VOA Narration

CHEM03 09/30/25-2: CU36210, CU36211, CU36212, CU36213
The following Initial Calibration compounds did not meet RSD% criteria: Acetone 23% (20%)
The following Initial Calibration compounds did not meet maximum RSD% criteria: None.

The following Continuing Calibration compounds did not meet % deviation criteria: Bromoform 22%H (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%.

CHEM03 10/02/25-1: CU36212
The following Continuing Calibration compounds did not meet % deviation criteria: 1,2,4-Trichlorobenzene 24%H (20%), 1,2-Dibromo-3-chloropropane 22%H (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.
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

October 07, 2025

SDG I.D.: GCU36210

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)

Temp 1.1 °C Coolant: Cooler: Yes [X] No [ ] IPK [X] ICE [ ] No [ ]

NY/NJ/PA CHAIN OF CUSTODY RECORD

Pg 1 of 1

PHOENIX Environmental Laboratories, Inc.

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

Contact Options:
- [ ] Phone:
- [ ] Fax:
- [x] Email: empendergast@aol.com

Customer: AES
Address: 42 west Avenue, Patchogue, NY 11772

Project: EAST SIDE COASTAL RESILIENCY Project P.O: 0897
Report to: AES
Invoice to: AES
QUOTE # : AE090921BA

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: Date:

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
RW=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe
OIL=Oil **B**=Bulk **L**=Liquid

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	*MS/MSD (May be billable at analysis unit rate)	TAL/TCL+30+NYadd	Full TCLP + RIC	Hex Chromium	Herbs	NJ EPH	TPH DRO/GRO	GL Amber 8 oz. [ ] w/H_3PO_4 [ ] $NAHSO_4$	Soil VOA Vials [ ] methanol [ ] H_2O	GL Soil container (8) oz	GL Soil container (4) oz VOCs	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H_2SO_4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H_2SO_4 [ ] 250ml [ ] 500ml [ ] 1000ml	PL NaOH 250ml	PL HNO_3 250ml	Bacteria Bottle w/thio	Bacteria Bottle as is
* 36210	DEP111	S	9.25.25			X	X	X	X	X	X			3	2	1							
* 36211	DEP110	↓	↓			↓	↓	↓	↓	↓	↓												
* 36212	DEP109	↓	↓			↓	↓	↓	↓	↓	↓												
* 36213	DEP108	↓	↓			↓	↓	↓	↓	↓	↓												

Relinquished by:	Accepted by:	Date:	Time:
		9/26/25	0931
		9/26/25	19:07

Turnaround:
- [ ] 1 Day*
- [ ] 2 Days*
- [ ] 3 Days*
- [ ] 4 Days*
- [x] 5 Days*
- [ ] Standard

* SURCHARGE APPLIES

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

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

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

State Samples Collected? NY

Comments, Special Requirements or Regulations:
* Did not receive VOAs (ES).

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

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

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

PEL-111 Rev 1/2025

ECU 36210

Emily Stokes

From: Emily Stokes
Sent: Friday, September 26, 2025 8:05 PM
To: pendyenveng@optonline.net
Cc: Emily Stokes
Subject: Projects: Eastside Coastal Resiliency and MED669
Attachments: SKM_450i25092620010.pdf

Importance: High

Follow Up Flag: Follow up
Flag Status: Flagged

Good evening,

For the attached COCs, we did not receive the VOAs for either projects.

Please advise. Thank you!

Emily Stokes
Sample Receiving
Phoenix Environmental Laboratories
587 East Middle Tpke.
Manchester, CT 06040
emilys@phoenixlabs.com
PH: 860-645-1102 ext:357
FX: 860-645-0823

ECU 36210

Emily Stokes

From: pendyenveng@optonline.net
Sent: Monday, September 29, 2025 3:28 PM
To: Emily Stokes
Cc: empendergast@aol.com
Subject: Re: RE: Projects: Eastside Coastal Resiliency and MED669

Hi Emily,

If possible can you prep the VOAs in the lab?

Also you can email empendergast@aol.com, Brian is usually out of the office and doesn't always get to reply.

Thanks,

Eileen

------ Original Message ------
From: emilys@phoenixlabs.com
To: pendyenveng@optonline.net
Sent: Monday, September 29th 2025, 12:19 PM
Subject: RE: Projects: Eastside Coastal Resiliency and MED669

Good afternoon,

I am following up in regards to missing VOAs from last week.

Please advise. Thank you!

Emily

From: Emily Stokes <emilys@phoenixlabs.com>
Sent: Friday, September 26, 2025 8:05 PM
To: pendyenveng@optonline.net
Cc: Emily Stokes <emilys@phoenixlabs.com>

GCU 36210

Subject: Projects: Eastside Coastal Resiliency and MED669
Importance: High

Good evening,

For the attached COCs, we did not receive the VOAs for either projects.

Please advise. Thank you!

Emily Stokes

Sample Receiving

Phoenix Environmental Laboratories

587 East Middle Tpke.

Manchester, CT 06040

emilys@phoenixlabs.com

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