

Field Sampling Summary Report #73

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
30-30 Thomson Avenue, 3rd Floor
Long Island City, New York 11101

On behalf of:

IPC Resiliency Partners
1010 Northern Boulevard, Suite 200
Great Neck, NY 11021

Prepared by:

AMERICAN ENVIRONMENTAL SOLUTIONS
42 West Avenue
Patchogue, New York 11772
TEL: (631) 475-0020
FAX: (631) 475-0025
PENDYENVENG@OPTONLINE.NET

AES Project No. 0897

OCTOBER 10th, 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 30th, 2025. A total of six soil samples (DEP WEST 1, DEP WEST 2, WEST 1, WEST 2, NYCHA 1, NYCHA 2) were collected from borings advanced up to 15 ftbg in areas on the west side of FDR Drive. NYCHA 1 and NYCHA 2 were collected from NYCHA property adjacent to FDR Drive in planned excavation areas.

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 3 samples collected contained compounds in concentrations exceeding the NYSDEC Part 375 Commercial Soil Cleanup Objectives (CSCOs). One sample (West 2) also contained concentrations of lead exceeding the RCRA Hazardous Waste Characteristic Regulatory Level. Compound exceedances are shown on Tables 1 and 2.

Comments:

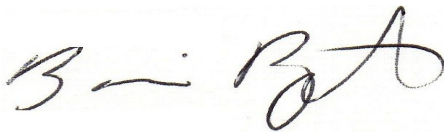
- Analytical results compared to applicable criteria are presented in Tables 1 and 2. Three of six soil samples collected (DEP West 1, West 1, West 2) exhibited exceedances of CSCOs. Exceedances of CSCOs are highlighted in yellow on Table 1. Material exceeding CSCOs should not be reused as backfill on-site and should be transported off-site for disposal at a permitted disposal facility.
- The TCLP lead result exceeded the RCRA Hazardous Waste Characteristic Regulatory Level of 5 milligrams per liter (mg/L) in soil sample West 2 at a concentration of 8.99 mg/L. 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 sample West 2 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 the soil sample may be attributed to the presence of historic fill material in the subsurface.
- Contamination was found in samples (DEP West 1, West 1, West 2) 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

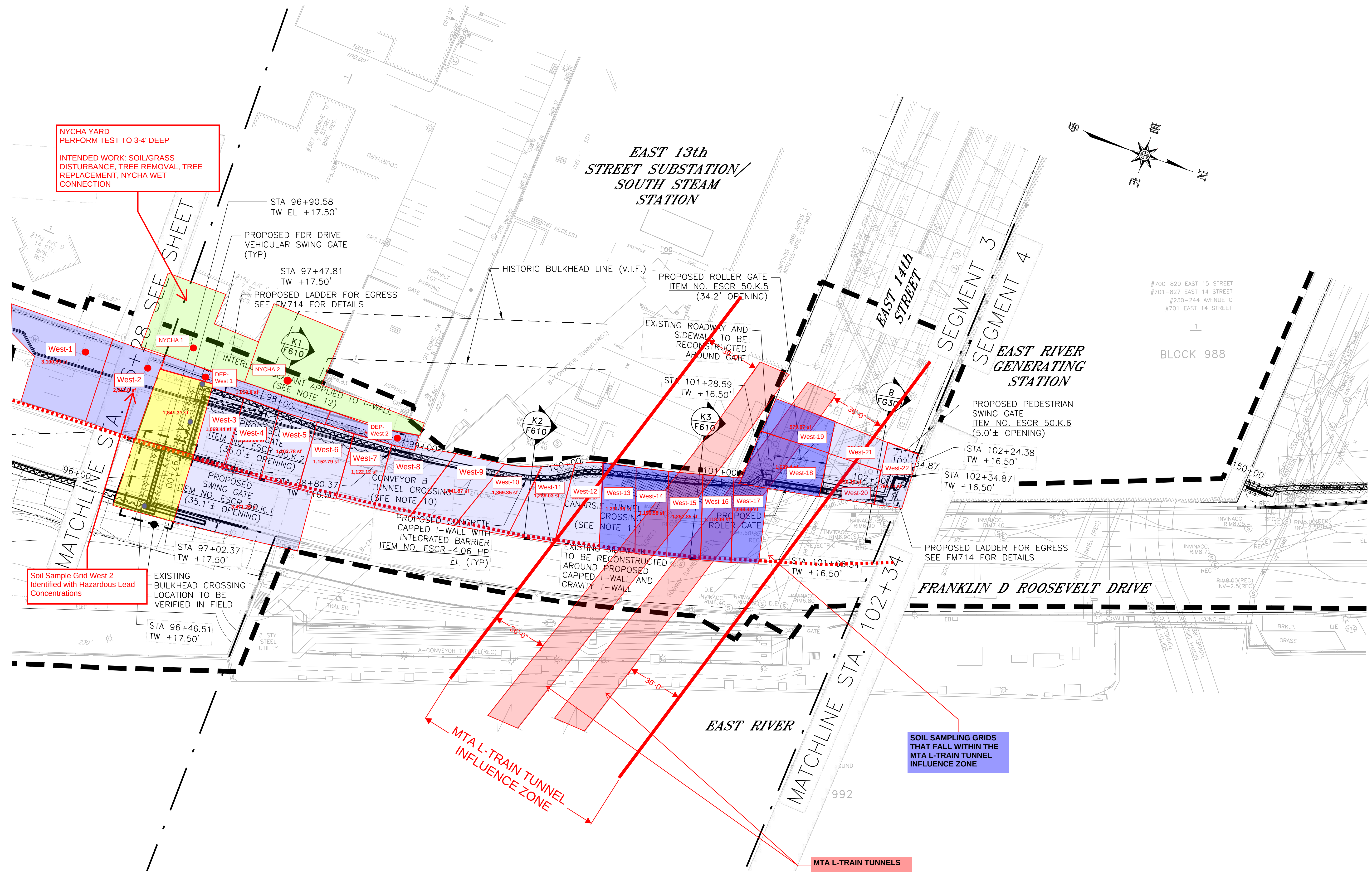


East Side Coastal Resiliency
from Montgomery Street to East 15th Street
Manhattan
NYCDDC SANDRESM1

AES Project No. 0897

FSSR #73

Figure 1
Site Location Map
American Environmental
Solutions, Inc.

**LEGEND:**

- LIMITS OF WORK
- PROPOSED JET GROUTING ZONE

NOTES:

1. ALL ITEMS CALLED OUT AS EXISTING ARE TO REMAIN UNLESS NOTED OTHERWISE.
2. REFER TO SHEETS PW300-PW315 FOR SHARED USE PATH PLAN.
3. REFER TO SHEETS LG300-LG315 FOR SITE AND GRADING PLAN.
4. REFER TO SHEETS LL300-LL315 FOR LAYOUT PLAN.
5. REFER TO SHEETS LM300-LM315 FOR MATERIALS PLAN.
6. REFER TO SHEETS LP300-LP315 FOR PLANTING PLAN.
7. REFER TO SHEETS LS300-LS315 FOR SOILS PLAN.
8. REFER TO SHEETS E300-E302 FOR ELECTRICAL PLAN.
9. REFER TO SHEETS P300-P313 FOR PLUMBING PLAN.
10. REFER TO SHEETS F880-F882 FOR CONVEYOR B TUNNEL CROSSING DETAILS.
11. REFER TO SHEETS F885-F887 FOR CANARSIE TUNNEL CROSSING DETAILS.
12. REFER TO SHEET FM701 FOR INTERLOCK SEALANT DETAIL.

0 15 30 60
SCALE: 1" = 30'

FOR BID

SUBMITTED DATE: 2/21/2020

FINAL DESIGN SUBMITTED BY:



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

FLOODWALL GENERAL PLAN
SEGMENT 4 - REACH K
STA. 96+28 - 102+34

CH2M
DRAWN BYSANDRESM1-F310-01.DWG
CADD FILE

NO.		DATE	DRAWING REVISION	DESCRIPTIONS	BY	S.T.	D.F.
1		6/26/2020					
NO.		DATE	DRAWING REVISION	DESCRIPTIONS	BY	S.T.	D.F.
				REVISIONS			
CAPITAL PROJECT NO. SANDRESM1 2/21/20							F 310
SHEET 582 OF 2791							

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 9/30/2025

Parameter	Compounds Detected	Unit	NYSDEC Part 375 Commercial Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Residential Soil Cleanup Objectives	DEP WEST 1	DEP WEST 2	WEST 1	WEST 2	NYCHA 1	NYCHA 2
PCBs	None Detected	ppm	-	-	ND	ND	0.13	ND	ND	0.12
Pesticides	4,4-DDD	ppm	92	13	ND	ND	ND	ND	ND	0.0056
	4,4,-DDE	ppm	62	8.9	ND	0.0057	0.025	ND	ND	0.0048
	4,4-DDT	ppm	47	7.9	ND	0.0046	0.16	ND	ND	0.012
	a-Chlordane	ppm	24	4.2	ND	0.0047	ND	ND	ND	ND
	Dieldrin	ppm	1.4	0.2	ND	0.0061	ND	ND	ND	ND
	g-Chlordane	ppm	NS	NS	ND	0.0057	ND	ND	ND	ND
TAL Metals	Aluminum	ppm	NS	NS	8,220	7,100	6,930	6,940	14,800	22300
	Antimony	ppm	NS	NS	ND	ND	ND	9.8	ND	ND
	Arsenic	ppm	16	16	8.71	3.78	3.3	12.7	1.82	1.45
	Barium	ppm	400	400	62.9	59.4	58.2	254	131	56.6
	Beryllium	ppm	590	72	.79	.28	.36	.39	.32	0.32
	Cadmium	ppm	9.3	4.3	1.19	.53	ND	2.31	.4	0.62
	Calcium	ppm	NS	NS	7,570	84,300	27,100	21,600	18,600	15,300
	Chromium	ppm	1500	180	16.7	17	13.7	21.8	22.5	42.1
	Hexavalent Chromium	ppm	400	110	ND	ND	ND	ND	ND	ND
	Trivalent Chromium	ppm	1500	180	16.7	17	13.7	21.8	22.5	42.1
	Cobalt	ppm	NS	NS	36	4.83	5.03	25.8	14.2	22.8
	Copper	ppm	270	270	368	32.3	27.8	153	58.2	125
	Iron	ppm	NS	NS	25,800	12,500	15,200	164,000	26,000	36,500
	Lead	ppm	1000	400	507	101	52.7	1210	28.2	75.9
	Manganese	ppm	10,000	2000	155	208	435	347	331	781
	Magnesium	ppm	NS	NS	3,360	27,600	4,050	3,420	9,800	15,100
	Mercury	ppm	2.8	0.81	.628	ND	.143	1.17	ND	0.107
	Nickel	ppm	310	310	43.7	13.5	9.77	28.9	20.7	38.4
	Sodium	ppm	NS	NS	229	324	432	462	731	1,660
	Potassium	ppm	NS	NS	900	959	1,140	842	5,120	796
	Vanadium	ppm	NS	NS	25.1	30.3	23.7	34.7	47.9	77.3
	Zinc	ppm	10,000	10,000	604	90.7	61.2	373	70.6	82
Semi-Volatile Organic Compounds (SVOCs)	1,1-Biphenyl	ppm	NS	NS	6.7	ND	ND	80	ND	ND
	2-Methylnaphthalene	ppm	NS	NS	11	ND	1.7	860	ND	ND
	Acenaphthene	ppm	500	100	81	ND	3.6	250	ND	ND
	Acenaphthylene	ppm	500	100	16	ND	2	51	ND	ND
	Anthracene	ppm	500	100	50	ND	3.2	140	ND	ND
	Benzo(a)anthracene	ppm	5.6	1	32	.42	2.7	99	ND	0.5
	Benzo(a)pyrene	ppm	1	1	32	.39	2.1	72	.25	0.49
	Benzo(b)fluoranthene	ppm	5.6	1	24	.48	2	54	.31	0.67
	Benzo(ghi)perylene	ppm	500	100	20	.45	1.1	26	ND	0.33
	Benzo(k)fluoranthene	ppm	56	3.9	6.9	ND	.68	21	ND	ND
	Chrysene	ppm	56	3.9	36	.45	2.6	97	ND	0.48
	Dibenz(a,h)anthracene	ppm	0.56	.33	4	ND	.3	8.7	ND	ND
	Dibenzofuran	ppm	NS	NS	6.9	ND	.66	28	ND	ND
	Fluoranthene	ppm	500	100	54	1.2	6.6	180	.52	1.2
	Fluorene	ppm	500	100	60	ND	5.8	290	ND	ND
	Indeno(1,2,3-cd)pyrene	ppm	5.6	0.5	14	.37	1	24	ND	0.36
	Naphthalene	ppm	500	100	260	ND	3.6	1300	ND	ND
	Phenanthrene	ppm	500	100	170	.89	17	740	.3	0.68
	Pyrene	ppm	500	100	91	1.1	7.1	290	.49	1.1
	Cyanide	ppm	27	27	ND	ND	ND	4.25	ND	ND
Volatile Organic Compounds (VOCs)	1,2,4-Trimethylbenzene	ppm	190	52	45	ND	11	81	ND	ND
	1,3,5-Trimethylbenzene	ppm	190	52	ND	ND	3.6	27	ND	ND
	n-Butylbenzene	ppm	NS	NS	ND	ND	0.24	ND	ND	ND
	n-Propylbenzene	ppm	500	100	4.7	ND	0.85	ND	ND	ND
	p-Isopropyltoluene	ppm	NS	NS	ND	ND	1.3	ND	ND	ND
	sec-Butylbenzene	ppm	500	100	ND	ND	0.022	ND	ND	ND
	Acetone	ppm	500	100	ND	ND	0.091	ND	ND	ND
	Benzene	ppm	44	4.8	0.89	ND	2.7	ND	ND	ND
	Carbon Disulfide	ppm	NS	NS	ND	0.0074	0.13	ND	ND	ND
	Ethylbenzene	ppm	390	41	7.5	0.0052	12	100	ND	ND
	Isopropylbenzene	ppm	NS	NS	ND	ND	1.3	ND	ND	ND
	m&p-Xylene	ppm	500	100	ND	ND	12	38	ND	ND
	Methylcyclohexane	ppm	NS	NS	11	ND	0.044	ND	ND	ND
	o-Xylene	ppm	500	100	20	ND	6.1	ND	ND	ND
	Styrene	ppm	NS	NS	ND	ND	5.5	ND	ND	ND
	Toluene	ppm	500	100	1.1	ND	6.9	ND	ND	ND
	Total Xylenes	ppm	500	100	20	ND	18.1	38	ND	ND
EPH	>C28-C40	ppm	NS	NS	160	ND	ND	180	ND	ND
	C9-C28	ppm	NS	NS	5300	ND	ND	6200	ND	ND
	Total EPH	ppm	NS	NS	5460	ND	ND	6380	ND	ND
TPH	DRO	ppm	NS	NS	11,000	ND	ND	18,000	ND	ND
	GRO	ppm	NS	NS	470	ND	190	960	ND	ND

ND Not Detected

NS No regulatory criteria available

Yellow highlighted concentrations exceed NYSDEC Part 375 Restricted Residential and Commerical Soil Cleanup Objectives

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 9/30/2025

Parameter	Compounds Detected	Unit	Regulatory Criteria	DEP WEST 1	DEP WEST 2	WEST 1	WEST 2	NYCHA 1	NYCHA 2
RCRA Characteristics	pH	pH units	<2 or >12.5	11.6	11.2	10.3	8.5	8.07	7.96
	Flashpoint	° F	>200° F	>200°F	>200°F	>200°F	>200°F	>200°F	>200°F
	Ignitability	° F	<140° F	passed	passed	passed	passed	passed	passed
	Reactivity - Cyanide	ppm	—	ND	ND	ND	ND	ND	ND
	Reactivity - Sulfide	ppm	—	ND	ND	ND	ND	ND	ND
TOXICITY		Unit	USEPA Toxicity Characteristic Regulatory Criteria	DEP WEST 1	DEP WEST 2	WEST 1	WEST 2	NYCHA 1	NYCHA 2
TCLP Metals	Barium	mg/L	100	0.65	0.51	0.47	1.72	0.46	0.52
	Lead	mg/L	5	0.34	ND	ND	8.99	ND	ND
TCLP VOCs	Benzene	—	—	ND	ND	ND	0.079	ND	ND
TCLP SVOCs	None Detected	—	—	ND	ND	ND	ND	ND	ND
TCLP Pests/Herbicides	None Detected	—	—	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 West 1, collected 9/30/25



Soil boring West 2 (haz location), collected 9/30/25



Soil boring DEP West 2, collected 9/30/25



Soil boring NYCHA 1, collected 9/30/25

APPENDIX A
SOIL BORING LOGS

AES, Inc. SOIL BORING LOG				CLIENT:	IPC Resiliency Partners	BORING ID:	DEP West 2
				AGENCY:	NYCDDC	PROPOSED DEPTH	15'
				DRILLER:	ADT	DATE	9/30/2025
PROJECT ID:	SANDRESM1			PROJECT No.	0897	TIME STARTED:	12:23
ADDRESS :	East Side Coastal Resiliency East River Park, NYC			GEOLOGIST:	Brian Pendergast/Mike Amore		GROUND WATER COMMENTS
LOCATION:		Reach K - FDR West			N/A		
EQUIPMENT TYPE/SIZE:		Geoprobe Model 7822 DT					
DEPTH FEET	SAMPLE			PID (ppm)	SOIL CLASSIFICATION COLOR, CONSISTENCY, DESCRIPTION	REMARKS	
	STRATA	SAMPLE #	PEN/REC				
5			2'	0.0	Brown sand and gravel		
					Crushed brick		
10				3'	0.0	Brown sand, crushed brick & gravel	
						Silty clay, wet brown sand	
						Fine gray silty sand	
15				2'	0.0	Wet brown sand	
						Wet gray sand	
						Crushed brick	
GENERAL COMMENTS							
VOC grab @ 10'				Hand cleared to 8 feet		TIME SAMPLE COLLECTED:	12:40 PM

AES, Inc. SOIL BORING LOG				CLIENT:	IPC Resiliency Partners	BORING ID:	West 2	
				AGENCY:	NYCDDC	PROPOSED DEPTH	15'	
				DRILLER:	ADT	DATE	9/30/2025	
PROJECT ID:	SANDRESM1			PROJECT No.	0897	TIME STARTED:	11:29	
ADDRESS :	East Side Coastal Resiliency East River Park, NYC			GEOLOGIST:	Brian Pendergast/Mike Amore			GROUND WATER COMMENTS
LOCATION:		Reach K - FDR West						
EQUIPMENT TYPE/SIZE:		Geoprobe Model 7822 DT						
DEPTH FEET	SAMPLE			PID (ppm)	SOIL CLASSIFICATION COLOR, CONSISTENCY, DESCRIPTION	REMARKS		
	STRATA	SAMPLE #	PEN/REC					
			1'	0.0	Brown sand mixed with gravel, trace brick			
5								
				4'	5.7	Brown sand mixed with gravel, brown silty sand, trace brick		
						Brown clay, black wet silty sand		
10						Refusal at 10'		
GENERAL COMMENTS								
VOC grab @ 9'				Hand cleared to 8 feet		TIME SAMPLE COLLECTED:	11:47 AM	

AES, Inc. TEST HOLE LOG				CLIENT:	IPC Resiliency Partners	BORING ID:	NYCHA 1	
				AGENCY:	NYCDDC	PROPOSED DEPTH	3'	
				DRILLER:	ADT	DATE	9/30/2025	
PROJECT ID:	SANDRESM1			PROJECT No.	0897	TIME STARTED:	11:00	
ADDRESS :	East Side Coastal Resiliency East River Park, NYC			GEOLOGIST:	Brian Pendergast/Mike Amore			
LOCATION:		NYCHA				GROUND WATER COMMENTS N/A		
EQUIPMENT TYPE/SIZE:		Hand excavated						
DEPTH FEET	SAMPLE			PID (ppm)	SOIL CLASSIFICATION		REMARKS	
	STRATA	SAMPLE #	PEN/REC		COLOR, CONSISTENCY, DESCRIPTION			
			3'	0.0	Brown sandy soil			
3								
GENERAL COMMENTS								
VOC grab @ 1'						TIME SAMPLE COLLECTED:	11:10 AM	

AES, Inc. TEST HOLE LOG				CLIENT:	IPC Resiliency Partners	BORING ID:	NYCHA 2	
				AGENCY:	NYCDDC	PROPOSED DEPTH	3'	
				DRILLER:	ADT	DATE	9/30/2025	
PROJECT ID:	SANDRESM1			PROJECT No.	0897	TIME STARTED:	11:20	
ADDRESS :	East Side Coastal Resiliency East River Park, NYC			GEOLOGIST:	Brian Pendergast/Mike Amore			
LOCATION:		NYCHA				GROUND WATER COMMENTS N/A		
EQUIPMENT TYPE/SIZE:		Hand excavated						
DEPTH FEET	SAMPLE			PID (ppm)	SOIL CLASSIFICATION		REMARKS	
	STRATA	SAMPLE #	PEN/REC		COLOR, CONSISTENCY, DESCRIPTION			
			3'	0.0	Brown sandy soil			
3								
GENERAL COMMENTS								
VOC grab @ 2'						TIME SAMPLE COLLECTED:	11:30 AM	

APPENDIX B

LABORATORY ANALYSIS



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



Analysis Report

October 09, 2025

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

Sample Information

Matrix: SOIL
Location Code: AES-EASTSIDE
Rush Request: 5 Day
P.O.#: 0897

Custody Information

Collected by:
Received by: SR1
Analyzed by: see "By" below

Date

09/30/25
10/01/25

Time

12:15
16:00

Laboratory Data

SDG ID: GCU39065
Phoenix ID: CU39065

Project ID: EAST SIDE COASTAL RESILIENCY
Client ID: DEP WEST 1

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.37	0.37	mg/Kg	1	10/03/25	TH	SW6010D
Aluminum	8220	56	mg/Kg	10	10/03/25	TH	SW6010D
Arsenic	8.71	0.75	mg/Kg	1	10/03/25	TH	SW6010D
Barium	62.9	0.37	mg/Kg	1	10/03/25	TH	SW6010D
Beryllium	0.79	0.30	mg/Kg	1	10/03/25	TH	SW6010D
Calcium	7570	5.6	mg/Kg	1	10/03/25	TH	SW6010D
Cadmium	1.19	0.37	mg/Kg	1	10/03/25	TH	SW6010D
Cobalt	36.0	0.37	mg/Kg	1	10/03/25	TH	SW6010D
Chromium	16.7	0.37	mg/Kg	1	10/03/25	TH	SW6010D
Copper	388	0.7	mg/kg	1	10/03/25	TH	SW6010D
Iron	25800	5.6	mg/Kg	1	10/03/25	TH	SW6010D
Mercury	0.628	0.087	mg/Kg	1	10/02/25	ZT	SW7473
Potassium	900	56	mg/Kg	10	10/03/25	TH	SW6010D
Magnesium	3360	5.6	mg/Kg	1	10/03/25	TH	SW6010D
Manganese	155	0.37	mg/Kg	1	10/03/25	TH	SW6010D
Sodium	229	5.6	mg/Kg	1	10/03/25	TH	SW6010D
Nickel	43.7	0.37	mg/Kg	1	10/03/25	TH	SW6010D
Lead	507	0.37	mg/Kg	1	10/03/25	TH	SW6010D
Antimony	< 3.7	3.7	mg/Kg	1	10/03/25	TH	SW6010D
Selenium	< 1.5	1.5	mg/Kg	1	10/03/25	TH	SW6010D
TCLP Silver	< 0.10	0.10	mg/L	1	10/02/25	CPP	SW846 1311/6010
TCLP Arsenic	< 0.10	0.10	mg/L	1	10/02/25	CPP	SW846 1311/6010
TCLP Barium	0.65	0.10	mg/L	1	10/02/25	CPP	SW846 1311/6010
TCLP Cadmium	< 0.050	0.050	mg/L	1	10/02/25	CPP	SW846 1311/6010
TCLP Chromium	< 0.10	0.10	mg/L	1	10/02/25	CPP	SW846 1311/6010
TCLP Mercury	< 0.0002	0.0002	mg/L	1	10/03/25	ZT	SW846 1311/7470
TCLP Lead	0.34	0.10	mg/L	1	10/02/25	CPP	SW846 1311/6010
TCLP Selenium	< 0.10	0.10	mg/L	1	10/02/25	CPP	SW846 1311/6010D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Thallium	< 3.4	3.4	mg/Kg	1	10/03/25	TH	SW6010D
TCLP Metals Digestion	Completed				10/02/25	AK/GW	SW3010A
Vanadium	25.1	0.37	mg/Kg	1	10/03/25	TH	SW6010D
Zinc	684	0.7	mg/Kg	1	10/03/25	TH	SW6010D
Percent Solid	86		%		10/01/25	CV	SW846-%Solid
Corrosivity	Negative		Pos/Neg	1	10/02/25	KG	SW846-Corr
Flash Point	>200	200	Degree F	1	10/02/25	G	SW1010B
Chromium, Hex. (SW3060A digestion)	< 0.41	0.41	mg/Kg	1	10/03/25	NP	SW7196A
Ignitability	Passed	140	degree F	1	10/02/25	G	SW846-Ignit
pH at 22C - Soil	11.6	1.00	pH Units	1	10/02/25 00:19	KG	SW846 9045D
Reactivity Cyanide	< 6	6	mg/Kg	1	10/03/25	NP/GD	SW846 7.3.3.1/90
Reactivity Sulfide	< 20	20	mg/Kg	1	10/03/25	NP/GD	SW846 CH7
Reactivity	Negative		Pos/Neg	1	10/03/25	NP/GD	SW846-React
Redox Potential	-92.7		mV	1	10/02/25	KG	SM2580B-09
Total Cyanide (SW9010C Distill.)	< 0.58	0.58	mg/Kg	1	10/06/25	EG	SW9012B
Extraction of NY ETPH	Completed				10/07/25	C/Q	SW3546
Soil Extraction for Herbicide	Completed				10/05/25	Y/D	SW3546
NJ EPH Extraction	Completed				10/07/25	C/U	NJDEP 10-08 R3
Soil Extraction for PCB	Completed				10/07/25	AJ/H/U/Q	SW3546
Soil Extraction for Pesticides	Completed				10/07/25	AJ/H/U/Q	SW3546
Soil Extraction for SVOA	Completed				10/07/25	H/Q	SW3546
TCLP Digestion Mercury	Completed				10/02/25	AK/GW	SW7470A
TCLP Herbicides Extraction	Completed				10/06/25	CV/D	SW8150 MOD
TCLP Extraction for Metals	Completed				10/01/25	AK	SW1311
TCLP Extraction for Organics	Completed				10/01/25	AK	SW1311
TCLP Pesticides Extraction	Completed				10/03/25	T/T	SW3510C
TCLP Semi-Volatile Extraction	Completed				10/03/25	T/T	SW3510C
TCLP Extraction Volatiles	Completed				10/01/25	CV	SW1311
Total Metals Digest	Completed				10/01/25	P/AG/BF	SW3050B

NJ EPH Category 1 (Fuel #2/Diesel)

>C28-C40	160	97	mg/kg	5	10/08/25	JRB	NJEPH 10-08 R3	1
C9-C28	5300	190	mg/kg	5	10/08/25	JRB	NJEPH 10-08 R3	1
Total EPH	5460	97	mg/kg	5	10/08/25	JRB	NJEPH 10-08 R3	1

QA/QC Surrogates

% COD (surr)	Interference		%	5	10/08/25	JRB	40 - 140 %
% Terphenyl (surr)	Interference		%	5	10/08/25	JRB	40 - 140 %

Gasoline Range Hydrocarbons (C6-C10)

GRO (C6-C10)	470	64	mg/Kg	500	10/03/25	V	SW8015D GRO
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QA/QC Surrogates

% 2,5-Dibromotoluene (FID)	95		%	500	10/03/25	V	70 - 130 %
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Chlorinated Herbicides

2,4,5-T	ND	140	ug/Kg	10	10/07/25	JRB	SW8151A
2,4,5-TP (Silvex)	ND	140	ug/Kg	10	10/07/25	JRB	SW8151A
2,4-D	ND	290	ug/Kg	10	10/07/25	JRB	SW8151A
2,4-DB	ND	1400	ug/Kg	10	10/07/25	JRB	SW8151A
Dalapon	ND	140	ug/Kg	10	10/07/25	JRB	SW8151A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Dicamba	ND	140	ug/Kg	10	10/07/25	JRB	SW8151A
Dichloroprop	ND	290	ug/Kg	10	10/07/25	JRB	SW8151A
Dinoseb	ND	290	ug/Kg	10	10/07/25	JRB	SW8151A
<u>QA/QC Surrogates</u>							
% DCAA	92		%	10	10/07/25	JRB	30 - 150 %
% DCAA (Confirmation)	79		%	10	10/07/25	JRB	30 - 150 %
<u>Polychlorinated Biphenyls</u>							
PCB-1016	ND	75	ug/Kg	2	10/08/25	SC	SW8082A
PCB-1221	ND	75	ug/Kg	2	10/08/25	SC	SW8082A
PCB-1232	ND	75	ug/Kg	2	10/08/25	SC	SW8082A
PCB-1242	ND	75	ug/Kg	2	10/08/25	SC	SW8082A
PCB-1248	ND	75	ug/Kg	2	10/08/25	SC	SW8082A
PCB-1254	ND	75	ug/Kg	2	10/08/25	SC	SW8082A
PCB-1260	ND	75	ug/Kg	2	10/08/25	SC	SW8082A
PCB-1262	ND	75	ug/Kg	2	10/08/25	SC	SW8082A
PCB-1268	ND	75	ug/Kg	2	10/08/25	SC	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	51		%	2	10/08/25	SC	30 - 150 %
% DCBP (Confirmation)	44		%	2	10/08/25	SC	30 - 150 %
% TCMX	56		%	2	10/08/25	SC	30 - 150 %
% TCMX (Confirmation)	52		%	2	10/08/25	SC	30 - 150 %
<u>Pesticides - Soil</u>							
4,4' -DDD	ND	2.3	ug/Kg	2	10/08/25	KCA	SW8081B
4,4' -DDE	ND	2.3	ug/Kg	2	10/08/25	KCA	SW8081B
4,4' -DDT	ND	2.3	ug/Kg	2	10/08/25	KCA	SW8081B
a-BHC	ND	7.5	ug/Kg	2	10/08/25	KCA	SW8081B
a-Chlordane	ND	3.8	ug/Kg	2	10/08/25	KCA	SW8081B
Aldrin	ND	3.8	ug/Kg	2	10/08/25	KCA	SW8081B
b-BHC	ND	7.5	ug/Kg	2	10/08/25	KCA	SW8081B
Chlordane	ND	38	ug/Kg	2	10/08/25	KCA	SW8081B
d-BHC	ND	7.5	ug/Kg	2	10/08/25	KCA	SW8081B
Dieldrin	ND	3.8	ug/Kg	2	10/08/25	KCA	SW8081B
Endosulfan I	ND	7.5	ug/Kg	2	10/08/25	KCA	SW8081B
Endosulfan II	ND	7.5	ug/Kg	2	10/08/25	KCA	SW8081B
Endosulfan sulfate	ND	7.5	ug/Kg	2	10/08/25	KCA	SW8081B
Endrin	ND	7.5	ug/Kg	2	10/08/25	KCA	SW8081B
Endrin aldehyde	ND	7.5	ug/Kg	2	10/08/25	KCA	SW8081B
Endrin ketone	ND	7.5	ug/Kg	2	10/08/25	KCA	SW8081B
g-BHC	ND	1.5	ug/Kg	2	10/08/25	KCA	SW8081B
g-Chlordane	ND	3.8	ug/Kg	2	10/08/25	KCA	SW8081B
Heptachlor	ND	7.5	ug/Kg	2	10/08/25	KCA	SW8081B
Heptachlor epoxide	ND	7.5	ug/Kg	2	10/08/25	KCA	SW8081B
Methoxychlor	ND	38	ug/Kg	2	10/08/25	KCA	SW8081B
Toxaphene	ND	150	ug/Kg	2	10/08/25	KCA	SW8081B
<u>QA/QC Surrogates</u>							
% DCBP	38		%	2	10/08/25	KCA	30 - 150 %
% DCBP (Confirmation)	31		%	2	10/08/25	KCA	30 - 150 %
% TCMX	36		%	2	10/08/25	KCA	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% TCMX (Confirmation)	66		%	2	10/08/25	KCA	30 - 150 %
<u>TCLP Herbicides</u>							
2,4,5-TP (Silvex)	ND	50	ug/L	10	10/08/25	JRB	SW846 1311/8151
2,4-D	ND	100	ug/L	10	10/08/25	JRB	SW846 1311/8151
<u>QA/QC Surrogates</u>							
% DCAA	63		%	10	10/08/25	JRB	30 - 150 %
% DCAA (Confirmation)	77		%	10	10/08/25	JRB	30 - 150 %
<u>TCLP Pesticides</u>							
4,4' -DDD	ND	1.0	ug/L	10	10/07/25	AW	SW8081B
4,4' -DDE	ND	1.0	ug/L	10	10/07/25	AW	SW8081B
4,4' -DDT	ND	1.0	ug/L	10	10/07/25	AW	SW8081B
α-BHC	ND	0.50	ug/L	10	10/07/25	AW	SW8081B
Alachlor	ND	0.50	ug/L	10	10/07/25	AW	SW8081B
Aldrin	ND	0.50	ug/L	10	10/07/25	AW	SW8081B
β-BHC	ND	0.50	ug/L	10	10/07/25	AW	SW8081B
Chlordane	ND	5.0	ug/L	10	10/07/25	AW	SW8081B
δ-BHC	ND	0.50	ug/L	10	10/07/25	AW	SW8081B
Dieldrin	ND	1.0	ug/L	10	10/07/25	AW	SW8081B
Endosulfan I	ND	0.50	ug/L	10	10/07/25	AW	SW8081B
Endosulfan II	ND	1.0	ug/L	10	10/07/25	AW	SW8081B
Endosulfan Sulfate	ND	1.0	ug/L	10	10/07/25	AW	SW8081B
Endrin	ND	1.0	ug/L	10	10/07/25	AW	SW8081B
Endrin Aldehyde	ND	1.0	ug/L	10	10/07/25	AW	SW8081B
γ-BHC (Lindane)	ND	0.50	ug/L	10	10/07/25	AW	SW8081B
Heptachlor	ND	0.50	ug/L	10	10/07/25	AW	SW8081B
Heptachlor epoxide	ND	0.50	ug/L	10	10/07/25	AW	SW8081B
Methoxychlor	ND	0.50	ug/L	10	10/07/25	AW	SW8081B
Toxaphene	ND	20	ug/L	10	10/07/25	AW	SW8081B
<u>QA/QC Surrogates</u>							
%DCBP (Surrogate Rec)	47		%	10	10/07/25	AW	30 - 150 %
%DCBP (Surrogate Rec) (Confirmation)	44		%	10	10/07/25	AW	30 - 150 %
%TCMX (Surrogate Rec)	69		%	10	10/07/25	AW	30 - 150 %
%TCMX (Surrogate Rec) (Confirmation)	70		%	10	10/07/25	AW	30 - 150 %
<u>TPH DRO (C10-C28)</u>							
Diesel Range Organics (C10-C28)	11000	590	mg/Kg	5	10/08/25	JRB	SW8015D DRO
<u>QA/QC Surrogates</u>							
% Terphenyl-d14	Interference		%	5	10/08/25	JRB	50 - 150 %
% Tricosane(C23)	Interference		%	5	10/08/25	JRB	50 - 150 %
<u>Volatiles (TCL)</u>							
1,1,1-Trichloroethane	ND	680	ug/kg	1000	10/03/25	HM	SW8260D
1,1,2,2-Tetrachloroethane	ND	6400	ug/kg	1000	10/03/25	HM	SW8260D
1,1,2-Trichloroethane	ND	6400	ug/kg	1000	10/03/25	HM	SW8260D
1,1-Dichloroethane	ND	1300	ug/kg	1000	10/03/25	HM	SW8260D
1,1-Dichloroethene	ND	640	ug/kg	1000	10/03/25	HM	SW8260D
1,2,3-Trichlorobenzene	ND	6400	ug/kg	1000	10/03/25	HM	SW8260D
1,2,4-Trichlorobenzene	ND	6400	ug/kg	1000	10/03/25	HM	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,2,4-Trimethylbenzene	45000	6400	ug/kg	1000	10/03/25	HM	SW8260D
1,2-Dibromo-3-chloropropane	ND	6400	ug/kg	1000	10/03/25	HM	SW8260D
1,2-Dibromoethane	ND	6400	ug/kg	1000	10/03/25	HM	SW8260D
1,2-Dichlorobenzene	ND	1100	ug/kg	1000	10/03/25	HM	SW8260D
1,2-Dichloroethane	ND	640	ug/kg	1000	10/03/25	HM	SW8260D
1,2-Dichloropropane	ND	6400	ug/kg	1000	10/03/25	HM	SW8260D
1,3,5-Trimethylbenzene	ND	6400	ug/kg	1000	10/03/25	HM	SW8260D
1,3-Dichlorobenzene	ND	2400	ug/kg	1000	10/03/25	HM	SW8260D
1,4-Dichlorobenzene	ND	1800	ug/kg	1000	10/03/25	HM	SW8260D
2-Hexanone	ND	32000	ug/kg	1000	10/03/25	HM	SW8260D
4-Methyl-2-pentanone	ND	32000	ug/kg	1000	10/03/25	HM	SW8260D
Acetone	ND	6400	ug/kg	1000	10/03/25	HM	SW8260D
Benzene	890	640	ug/kg	1000	10/03/25	HM	SW8260D
Bromochloromethane	ND	6400	ug/kg	1000	10/03/25	HM	SW8260D
Bromodichloromethane	ND	6400	ug/kg	1000	10/03/25	HM	SW8260D
Bromoform	ND	6400	ug/kg	1000	10/03/25	HM	SW8260D
Bromomethane	ND	6400	ug/kg	1000	10/03/25	HM	SW8260D
Carbon Disulfide	ND	6400	ug/kg	1000	10/03/25	HM	SW8260D
Carbon tetrachloride	ND	1300	ug/kg	1000	10/03/25	HM	SW8260D
Chlorobenzene	ND	1100	ug/kg	1000	10/03/25	HM	SW8260D
Chloroethane	ND	6400	ug/kg	1000	10/03/25	HM	SW8260D
Chloroform	ND	640	ug/kg	1000	10/03/25	HM	SW8260D
Chloromethane	ND	6400	ug/kg	1000	10/03/25	HM	SW8260D
cis-1,2-Dichloroethene	ND	640	ug/kg	1000	10/03/25	HM	SW8260D
cis-1,3-Dichloropropene	ND	6400	ug/kg	1000	10/03/25	HM	SW8260D
Cyclohexane	ND	6400	ug/kg	1000	10/03/25	HM	SW8260D
Dibromochloromethane	ND	6400	ug/kg	1000	10/03/25	HM	SW8260D
Dichlorodifluoromethane	ND	6400	ug/kg	1000	10/03/25	HM	SW8260D
Ethylbenzene	7500	6400	ug/kg	1000	10/03/25	HM	SW8260D
Isopropylbenzene	ND	6400	ug/kg	1000	10/03/25	HM	SW8260D
m&p-Xylene	ND	6400	ug/kg	1000	10/03/25	HM	SW8260D
Methyl ethyl ketone	ND	2600	ug/kg	1000	10/03/25	HM	SW8260D
Methyl t-butyl ether (MTBE)	ND	1300	ug/kg	1000	10/03/25	HM	SW8260D
Methylacetate	ND	64000	ug/kg	1000	10/03/25	HM	SW8260D
Methylcyclohexane	11000	6400	ug/kg	1000	10/03/25	HM	SW8260D
Methylene chloride	ND	2600	ug/kg	1000	10/03/25	HM	SW8260D
o-Xylene	20000	6400	ug/kg	1000	10/03/25	HM	SW8260D
Styrene	ND	6400	ug/kg	1000	10/03/25	HM	SW8260D
Tetrachloroethene	ND	1300	ug/kg	1000	10/03/25	HM	SW8260D
Toluene	1100	700	ug/kg	1000	10/03/25	HM	SW8260D
Total Xylenes	20000	6400	ug/kg	1000	10/03/25	HM	SW8260D
trans-1,2-Dichloroethene	ND	640	ug/kg	1000	10/03/25	HM	SW8260D
trans-1,3-Dichloropropene	ND	6400	ug/kg	1000	10/03/25	HM	SW8260D
Trichloroethene	ND	640	ug/kg	1000	10/03/25	HM	SW8260D
Trichlorofluoromethane	ND	6400	ug/kg	1000	10/03/25	HM	SW8260D
Trichlorotrifluoroethane	ND	6400	ug/kg	1000	10/03/25	HM	SW8260D
Vinyl chloride	ND	640	ug/kg	1000	10/03/25	HM	SW8260D
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4 (1000x)	96		%	1000	10/03/25	HM	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Bromofluorobenzene (1000x)	102		%	1000	10/03/25	HM	70 - 130 %
% Dibromofluoromethane (1000x)	97		%	1000	10/03/25	HM	70 - 130 %
% Toluene-d8 (1000x)	91		%	1000	10/03/25	HM	70 - 130 %

1,4-dioxane

1,4-dioxane	ND	51000	ug/kg	1000	10/03/25	HM	SW8260D
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QA/QC Surrogates

% 1,2-dichlorobenzene-d4 (1000x)	96		%	1000	10/03/25	HM	70 - 130 %
% Bromofluorobenzene (1000x)	102		%	1000	10/03/25	HM	70 - 130 %
% Dibromofluoromethane (1000x)	97		%	1000	10/03/25	HM	70 - 130 %
% Toluene-d8 (1000x)	91		%	1000	10/03/25	HM	70 - 130 %

Volatiles

1,2,3-Trichloropropane	ND	6400	ug/Kg	1000	10/03/25	HM	SW8260D
1,2,4-Trimethylbenzene	45000	6400	ug/Kg	1000	10/03/25	HM	SW8260D
1,3,5-Trimethylbenzene	ND	6400	ug/Kg	1000	10/03/25	HM	SW8260D
1,3-Dichloropropane	ND	6400	ug/Kg	1000	10/03/25	HM	SW8260D
n-Butylbenzene	ND	6400	ug/Kg	1000	10/03/25	HM	SW8260D
n-Propylbenzene	4700	3900	ug/Kg	1000	10/03/25	HM	SW8260D
p-Isopropyltoluene	ND	6400	ug/Kg	1000	10/03/25	HM	SW8260D
sec-Butylbenzene	ND	6400	ug/Kg	1000	10/03/25	HM	SW8260D
tert-Butylbenzene	ND	5900	ug/Kg	1000	10/03/25	HM	SW8260D

QA/QC Surrogates

% 1,2-dichlorobenzene-d4 (1000x)	96		%	1000	10/03/25	HM	70 - 130 %
% Bromofluorobenzene (1000x)	102		%	1000	10/03/25	HM	70 - 130 %
% Dibromofluoromethane (1000x)	97		%	1000	10/03/25	HM	70 - 130 %
% Toluene-d8 (1000x)	91		%	1000	10/03/25	HM	70 - 130 %

TCLP Volatiles

1,1-Dichloroethene	ND	50	ug/L	10	10/03/25	V	SW846 1311/8260
1,2-Dichloroethane	ND	50	ug/L	10	10/03/25	V	SW846 1311/8260
1,4-Dichlorobenzene	ND	50	ug/L	10	10/03/25	V	SW846 1311/8260
Benzene	ND	50	ug/L	10	10/03/25	V	SW846 1311/8260
Carbon tetrachloride	ND	50	ug/L	10	10/03/25	V	SW846 1311/8260
Chlorobenzene	ND	50	ug/L	10	10/03/25	V	SW846 1311/8260
Chloroform	ND	50	ug/L	10	10/03/25	V	SW846 1311/8260
Methyl ethyl ketone	ND	50	ug/L	10	10/03/25	V	SW846 1311/8260
Tetrachloroethene	ND	50	ug/L	10	10/03/25	V	SW846 1311/8260
Trichloroethene	ND	50	ug/L	10	10/03/25	V	SW846 1311/8260
Vinyl chloride	ND	50	ug/L	10	10/03/25	V	SW846 1311/8260

QA/QC Surrogates

% 1,2-dichlorobenzene-d4 (10x)	101		%	10	10/03/25	V	70 - 130 %
% Bromofluorobenzene (10x)	97		%	10	10/03/25	V	70 - 130 %
% Dibromofluoromethane (10x)	101		%	10	10/03/25	V	70 - 130 %
% Toluene-d8 (10x)	98		%	10	10/03/25	V	70 - 130 %

Volatile Library Search	Completed				10/06/25	HM	
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Semivolatiles

1,1-Biphenyl	6700	4400	ug/Kg	10	10/08/25	MR	SW8270E
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Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,2,4,5-Tetrachlorobenzene	ND	4400	ug/Kg	10	10/08/25	MR	SW8270E
2,2'-Oxybis(1-Chloropropane)	ND	4400	ug/Kg	10	10/08/25	MR	SW8270E
2,3,4,6-tetrachlorophenol	ND	4400	ug/Kg	10	10/08/25	MR	SW8270E
2,4,5-Trichlorophenol	ND	4400	ug/Kg	10	10/08/25	MR	SW8270E
2,4,6-Trichlorophenol	ND	4400	ug/Kg	10	10/08/25	MR	SW8270E
2,4-Dichlorophenol	ND	4400	ug/Kg	10	10/08/25	MR	SW8270E
2,4-Dimethylphenol	ND	4400	ug/Kg	10	10/08/25	MR	SW8270E
2,4-Dinitrophenol	ND	10000	ug/Kg	10	10/08/25	MR	SW8270E
2,4-Dinitrotoluene	ND	4400	ug/Kg	10	10/08/25	MR	SW8270E
2,6-Dinitrotoluene	ND	4400	ug/Kg	10	10/08/25	MR	SW8270E
2-Chloronaphthalene	ND	4400	ug/Kg	10	10/08/25	MR	SW8270E
2-Chlorophenol	ND	4400	ug/Kg	10	10/08/25	MR	SW8270E
2-Methylnaphthalene	11000	4400	ug/Kg	10	10/08/25	MR	SW8270E
2-Methylphenol (o-cresol)	ND	1100	ug/Kg	10	10/08/25	MR	SW8270E
2-Nitroaniline	ND	10000	ug/Kg	10	10/08/25	MR	SW8270E
2-Nitrophenol	ND	4400	ug/Kg	10	10/08/25	MR	SW8270E
3&4-Methylphenol (m&p-cresol)	ND	1100	ug/Kg	10	10/08/25	MR	SW8270E
3,3'-Dichlorobenzidine	ND	7500	ug/Kg	10	10/08/25	MR	SW8270E
3-Nitroaniline	ND	10000	ug/Kg	10	10/08/25	MR	SW8270E
4,6-Dinitro-2-methylphenol	ND	18000	ug/Kg	10	10/08/25	MR	SW8270E
4-Bromophenyl phenyl ether	ND	6200	ug/Kg	10	10/08/25	MR	SW8270E
4-Chloro-3-methylphenol	ND	4400	ug/Kg	10	10/08/25	MR	SW8270E
4-Chloroaniline	ND	4400	ug/Kg	10	10/08/25	MR	SW8270E
4-Chlorophenyl phenyl ether	ND	4400	ug/Kg	10	10/08/25	MR	SW8270E
4-Nitroaniline	ND	10000	ug/Kg	10	10/08/25	MR	SW8270E
4-Nitrophenol	ND	18000	ug/Kg	10	10/08/25	MR	SW8270E
Acenaphthene	81000	4400	ug/Kg	10	10/08/25	MR	SW8270E
Acenaphthylene	16000	4400	ug/Kg	10	10/08/25	MR	SW8270E
Acetophenone	ND	4400	ug/Kg	10	10/08/25	MR	SW8270E
Anthracene	50000	4400	ug/Kg	10	10/08/25	MR	SW8270E
Atrazine	ND	4400	ug/Kg	10	10/08/25	MR	SW8270E
Benz(a)anthracene	32000	4400	ug/Kg	10	10/08/25	MR	SW8270E
Benzaldehyde	ND	4400	ug/Kg	10	10/08/25	MR	SW8270E
Benzo(a)pyrene	32000	4400	ug/Kg	10	10/08/25	MR	SW8270E
Benzo(b)fluoranthene	24000	4400	ug/Kg	10	10/08/25	MR	SW8270E
Benzo(ghi)perylene	20000	4400	ug/Kg	10	10/08/25	MR	SW8270E
Benzo(k)fluoranthene	6900	4400	ug/Kg	10	10/08/25	MR	SW8270E
Benzyl butyl phthalate	ND	4400	ug/Kg	10	10/08/25	MR	SW8270E
Bis(2-chloroethoxy)methane	ND	4400	ug/Kg	10	10/08/25	MR	SW8270E
Bis(2-chloroethyl)ether	ND	6200	ug/Kg	10	10/08/25	MR	SW8270E
Bis(2-ethylhexyl)phthalate	ND	4400	ug/Kg	10	10/08/25	MR	SW8270E
Caprolactam	ND	4400	ug/Kg	10	10/08/25	MR	SW8270E
Carbazole	ND	6200	ug/Kg	10	10/08/25	MR	SW8270E
Chrysene	36000	4400	ug/Kg	10	10/08/25	MR	SW8270E
Dibenz(a,h)anthracene	4000	3100	ug/Kg	10	10/08/25	MR	SW8270E
Dibenzofuran	6900	4400	ug/Kg	10	10/08/25	MR	SW8270E
Diethyl phthalate	ND	4400	ug/Kg	10	10/08/25	MR	SW8270E
Dimethylphthalate	ND	4400	ug/Kg	10	10/08/25	MR	SW8270E
Di-n-butylphthalate	ND	12000	ug/Kg	10	10/08/25	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Di-n-octylphthalate	ND	4400	ug/Kg	10	10/08/25	MR	SW8270E
Fluoranthene	54000	4400	ug/Kg	10	10/08/25	MR	SW8270E
Fluorene	60000	4400	ug/Kg	10	10/08/25	MR	SW8270E
Hexachlorobenzene	ND	620	ug/Kg	10	10/08/25	MR	SW8270E
Hexachlorobutadiene	ND	4400	ug/Kg	10	10/08/25	MR	SW8270E
Hexachlorocyclopentadiene	ND	4400	ug/Kg	10	10/08/25	MR	SW8270E
Hexachloroethane	ND	4400	ug/Kg	10	10/08/25	MR	SW8270E
Indeno(1,2,3-cd)pyrene	14000	4400	ug/Kg	10	10/08/25	MR	SW8270E
Isophorone	ND	4400	ug/Kg	10	10/08/25	MR	SW8270E
Naphthalene	260000	22000	ug/Kg	50	10/08/25	MR	SW8270E
Nitrobenzene	ND	4400	ug/Kg	10	10/08/25	MR	SW8270E
N-Nitrosodimethylamine	ND	6200	ug/Kg	10	10/08/25	MR	SW8270E
N-Nitrosodi-n-propylamine	ND	3100	ug/Kg	10	10/08/25	MR	SW8270E
N-Nitrosodiphenylamine	ND	6200	ug/Kg	10	10/08/25	MR	SW8270E
Pentachlorophenol	ND	1100	ug/Kg	10	10/08/25	MR	SW8270E
Phenanthrene	170000	22000	ug/Kg	50	10/08/25	MR	SW8270E
Phenol	ND	620	ug/Kg	10	10/08/25	MR	SW8270E
Pyrene	91000	4400	ug/Kg	10	10/08/25	MR	SW8270E
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol (10x)	123		%	10	10/08/25	MR	30 - 130 %
% 2-Fluorobiphenyl (10x)	75		%	10	10/08/25	MR	30 - 130 %
% 2-Fluorophenol (10x)	67		%	10	10/08/25	MR	30 - 130 %
% Nitrobenzene-d5 (10x)	69		%	10	10/08/25	MR	30 - 130 %
% Phenol-d5 (10x)	64		%	10	10/08/25	MR	30 - 130 %
% Terphenyl-d14 (10x)	70		%	10	10/08/25	MR	30 - 130 %
% 2,4,6-Tribromophenol (50x)	146		%	50	10/08/25	MR	30 - 130 %
% 2-Fluorobiphenyl (50x)	74		%	50	10/08/25	MR	30 - 130 %
% 2-Fluorophenol (50x)	66		%	50	10/08/25	MR	30 - 130 %
% Nitrobenzene-d5 (50x)	84		%	50	10/08/25	MR	30 - 130 %
% Phenol-d5 (50x)	60		%	50	10/08/25	MR	30 - 130 %
% Terphenyl-d14 (50x)	76		%	50	10/08/25	MR	30 - 130 %
<u>TCLP Acid/Base-Neutral</u>							
1,4-Dichlorobenzene	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270
2,4,5-Trichlorophenol	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270
2,4,6-Trichlorophenol	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270
2,4-Dinitrotoluene	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270
2-Methylphenol (o-cresol)	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270
3&4-Methylphenol (m&p-Cresol)	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270
Hexachlorobenzene	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270
Hexachlorobutadiene	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270
Hexachloroethane	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270
Nitrobenzene	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270
Pentachlorophenol	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270
Pyridine	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	88		%	1	10/06/25	MR	15 - 110 %
% 2-Fluorobiphenyl	65		%	1	10/06/25	MR	30 - 130 %
% 2-Fluorophenol	58		%	1	10/06/25	MR	15 - 110 %
% Nitrobenzene-d5	65		%	1	10/06/25	MR	30 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Phenol-d5	53		%	1	10/06/25	MR	15 - 110 %
% Terphenyl-d14	79		%	1	10/06/25	MR	30 - 130 %
Semivolatile Library Search	Completed				10/08/25	MR	

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

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.

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

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

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

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

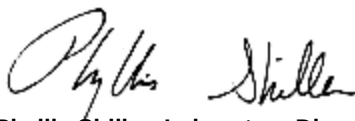
Semi-Volatile Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL for the semivolatile analysis.

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

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

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

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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Phyllis Shiller, Laboratory Director

October 09, 2025

Official Report Release To Follow



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



Analysis Report

October 09, 2025

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

Sample Information

Matrix: SOIL
Location Code: AES-EASTSIDE
Rush Request: 5 Day
P.O.#: 0897

Custody Information

Collected by:
Received by: SR1
Analyzed by: see "By" below

Date

09/30/25 12:40
10/01/25 16:00

Time

Laboratory Data

SDG ID: GCU39065
Phoenix ID: CU39066

Project ID: EAST SIDE COASTAL RESILIENCY
Client ID: DEP WEST 2

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.35	0.35	mg/Kg	1	10/03/25	TH	SW6010D
Aluminum	7100	5.3	mg/Kg	1	10/03/25	TH	SW6010D
Arsenic	3.78	0.70	mg/Kg	1	10/03/25	TH	SW6010D
Barium	59.4	0.35	mg/Kg	1	10/03/25	TH	SW6010D
Beryllium	0.28	0.28	mg/Kg	1	10/03/25	TH	SW6010D
Calcium	84300	53	mg/Kg	10	10/03/25	TH	SW6010D
Cadmium	0.53	0.35	mg/Kg	1	10/03/25	TH	SW6010D
Cobalt	4.83	0.35	mg/Kg	1	10/03/25	TH	SW6010D
Chromium	17.0	0.35	mg/Kg	1	10/03/25	TH	SW6010D
Copper	32.3	0.7	mg/kg	1	10/03/25	TH	SW6010D
Iron	12500	5.3	mg/Kg	1	10/03/25	TH	SW6010D
Mercury	< 0.087	0.087	mg/Kg	1	10/02/25	ZT	SW7473
Potassium	959	53	mg/Kg	10	10/03/25	TH	SW6010D
Magnesium	27600	5.3	mg/Kg	1	10/03/25	TH	SW6010D
Manganese	208	0.35	mg/Kg	1	10/03/25	TH	SW6010D
Sodium	324	5.3	mg/Kg	1	10/03/25	TH	SW6010D
Nickel	13.5	0.35	mg/Kg	1	10/03/25	TH	SW6010D
Lead	101	0.35	mg/Kg	1	10/03/25	TH	SW6010D
Antimony	< 3.5	3.5	mg/Kg	1	10/03/25	TH	SW6010D
Selenium	< 1.4	1.4	mg/Kg	1	10/03/25	TH	SW6010D
TCLP Silver	< 0.10	0.10	mg/L	1	10/02/25	CPP	SW846 1311/6010
TCLP Arsenic	< 0.10	0.10	mg/L	1	10/02/25	CPP	SW846 1311/6010
TCLP Barium	0.51	0.10	mg/L	1	10/02/25	CPP	SW846 1311/6010
TCLP Cadmium	< 0.050	0.050	mg/L	1	10/02/25	CPP	SW846 1311/6010
TCLP Chromium	< 0.10	0.10	mg/L	1	10/02/25	CPP	SW846 1311/6010
TCLP Mercury	< 0.0002	0.0002	mg/L	1	10/02/25	AJ1	SW846 1311/7470
TCLP Lead	< 0.10	0.10	mg/L	1	10/02/25	CPP	SW846 1311/6010
TCLP Selenium	< 0.10	0.10	mg/L	1	10/02/25	CPP	SW846 1311/6010D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Thallium	< 3.2	3.2	mg/Kg	1	10/03/25	TH	SW6010D
TCLP Metals Digestion	Completed				10/02/25	AK/GW	SW3010A
Vanadium	30.3	0.35	mg/Kg	1	10/03/25	TH	SW6010D
Zinc	90.7	0.7	mg/Kg	1	10/03/25	TH	SW6010D
Percent Solid	86		%		10/01/25	CV	SW846-%Solid
Corrosivity	Negative		Pos/Neg	1	10/02/25	KG	SW846-Corr
Flash Point	>200	200	Degree F	1	10/02/25	G	SW1010B
Chromium, Hex. (SW3060A digestion)	< 0.43	0.43	mg/Kg	1	10/06/25	NP	SW7196A
Ignitability	Passed	140	degree F	1	10/02/25	G	SW846-Ignit
pH at 22C - Soil	11.2	1.00	pH Units	1	10/02/25 00:19	KG	SW846 9045D
Reactivity Cyanide	< 6	6	mg/Kg	1	10/03/25	NP/GD	SW846 7.3.3.1/90
Reactivity Sulfide	< 20	20	mg/Kg	1	10/03/25	NP/GD	SW846 CH7
Reactivity	Negative		Pos/Neg	1	10/03/25	NP/GD	SW846-React
Redox Potential	-38.5		mV	1	10/02/25	KG	SM2580B-09
Total Cyanide (SW9010C Distill.)	< 0.58	0.58	mg/Kg	1	10/06/25	EG	SW9012B
Extraction of NY ETPH	Completed				10/07/25	C/Q	SW3546
Soil Extraction for Herbicide	Completed				10/05/25	Y/D	SW3546
NJ EPH Extraction	Completed				10/07/25	C/U	NJDEP 10-08 R3
Soil Extraction for PCB	Completed				10/07/25	AJ/H/U/Q	SW3546
Soil Extraction for Pesticides	Completed				10/07/25	AJ/H/U/Q	SW3546
Soil Extraction for SVOA	Completed				10/07/25	H/Q	SW3546
TCLP Digestion Mercury	Completed				10/02/25	AK/GW	SW7470A
TCLP Herbicides Extraction	Completed				10/06/25	CV/D	SW8150 MOD
TCLP Extraction for Metals	Completed				10/01/25	AK	SW1311
TCLP Extraction for Organics	Completed				10/01/25	AK	SW1311
TCLP Pesticides Extraction	Completed				10/03/25	T/T	SW3510C
TCLP Semi-Volatile Extraction	Completed				10/03/25	T/T	SW3510C
TCLP Extraction Volatiles	Completed				10/01/25	CV	SW1311
Total Metals Digest	Completed				10/01/25	P/AG/BF	SW3050B

NJ EPH Category 1 (Fuel #2/Diesel)

>C28-C40	ND	46	mg/kg	5	10/08/25	JRB	NJEPH 10-08 R3	1
C9-C28	ND	92	mg/kg	5	10/08/25	JRB	NJEPH 10-08 R3	1
Total EPH	ND	46	mg/kg	5	10/08/25	JRB	NJEPH 10-08 R3	1

QA/QC Surrogates

% COD (surr)	63		%	5	10/08/25	JRB	40 - 140 %
% Terphenyl (surr)	95		%	5	10/08/25	JRB	40 - 140 %

Gasoline Range Hydrocarbons (C6-C10)

GRO (C6-C10)	ND	6.0	mg/Kg	50	10/02/25	V	SW8015D GRO
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QA/QC Surrogates

% 2,5-Dibromotoluene (FID)	97		%	50	10/02/25	V	70 - 130 %
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Chlorinated Herbicides

2,4,5-T	ND	140	ug/Kg	10	10/07/25	JRB	SW8151A
2,4,5-TP (Silvex)	ND	140	ug/Kg	10	10/07/25	JRB	SW8151A
2,4-D	ND	280	ug/Kg	10	10/07/25	JRB	SW8151A
2,4-DB	ND	1400	ug/Kg	10	10/07/25	JRB	SW8151A
Dalapon	ND	140	ug/Kg	10	10/07/25	JRB	SW8151A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Dicamba	ND	140	ug/Kg	10	10/07/25	JRB	SW8151A
Dichloroprop	ND	280	ug/Kg	10	10/07/25	JRB	SW8151A
Dinoseb	ND	280	ug/Kg	10	10/07/25	JRB	SW8151A
<u>QA/QC Surrogates</u>							
% DCAA	103		%	10	10/07/25	JRB	30 - 150 %
% DCAA (Confirmation)	100		%	10	10/07/25	JRB	30 - 150 %
<u>Polychlorinated Biphenyls</u>							
PCB-1016	ND	76	ug/Kg	2	10/08/25	SC	SW8082A
PCB-1221	ND	76	ug/Kg	2	10/08/25	SC	SW8082A
PCB-1232	ND	76	ug/Kg	2	10/08/25	SC	SW8082A
PCB-1242	ND	76	ug/Kg	2	10/08/25	SC	SW8082A
PCB-1248	ND	76	ug/Kg	2	10/08/25	SC	SW8082A
PCB-1254	ND	76	ug/Kg	2	10/08/25	SC	SW8082A
PCB-1260	ND	76	ug/Kg	2	10/08/25	SC	SW8082A
PCB-1262	ND	76	ug/Kg	2	10/08/25	SC	SW8082A
PCB-1268	ND	76	ug/Kg	2	10/08/25	SC	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	59		%	2	10/08/25	SC	30 - 150 %
% DCBP (Confirmation)	48		%	2	10/08/25	SC	30 - 150 %
% TCMX	62		%	2	10/08/25	SC	30 - 150 %
% TCMX (Confirmation)	59		%	2	10/08/25	SC	30 - 150 %
<u>Pesticides - Soil</u>							
4,4' -DDD	ND	2.3	ug/Kg	2	10/08/25	AW	SW8081B
4,4' -DDE	5.7	2.3	ug/Kg	2	10/08/25	AW	SW8081B
4,4' -DDT	4.6	2.3	ug/Kg	2	10/08/25	AW	SW8081B
a-BHC	ND	7.6	ug/Kg	2	10/08/25	AW	SW8081B
a-Chlordane	4.7	3.8	ug/Kg	2	10/08/25	AW	SW8081B
Aldrin	ND	3.8	ug/Kg	2	10/08/25	AW	SW8081B
b-BHC	ND	7.6	ug/Kg	2	10/08/25	AW	SW8081B
Chlordane	ND	38	ug/Kg	2	10/08/25	AW	SW8081B
d-BHC	ND	7.6	ug/Kg	2	10/08/25	AW	SW8081B
Dieldrin	6.1	3.8	ug/Kg	2	10/08/25	AW	SW8081B
Endosulfan I	ND	7.6	ug/Kg	2	10/08/25	AW	SW8081B
Endosulfan II	ND	7.6	ug/Kg	2	10/08/25	AW	SW8081B
Endosulfan sulfate	ND	7.6	ug/Kg	2	10/08/25	AW	SW8081B
Endrin	ND	7.6	ug/Kg	2	10/08/25	AW	SW8081B
Endrin aldehyde	ND	7.6	ug/Kg	2	10/08/25	AW	SW8081B
Endrin ketone	ND	7.6	ug/Kg	2	10/08/25	AW	SW8081B
g-BHC	ND	1.5	ug/Kg	2	10/08/25	AW	SW8081B
g-Chlordane	5.7	3.8	ug/Kg	2	10/08/25	AW	SW8081B
Heptachlor	ND	7.6	ug/Kg	2	10/08/25	AW	SW8081B
Heptachlor epoxide	ND	7.6	ug/Kg	2	10/08/25	AW	SW8081B
Methoxychlor	ND	38	ug/Kg	2	10/08/25	AW	SW8081B
Toxaphene	ND	150	ug/Kg	2	10/08/25	AW	SW8081B
<u>QA/QC Surrogates</u>							
% DCBP	50		%	2	10/08/25	AW	30 - 150 %
% DCBP (Confirmation)	44		%	2	10/08/25	AW	30 - 150 %
% TCMX	53		%	2	10/08/25	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% TCMX (Confirmation)	51		%	2	10/08/25	AW	30 - 150 %
<u>TCLP Herbicides</u>							
2,4,5-TP (Silvex)	ND	50	ug/L	10	10/08/25	JRB	SW846 1311/8151
2,4-D	ND	100	ug/L	10	10/08/25	JRB	SW846 1311/8151
<u>QA/QC Surrogates</u>							
% DCAA	62		%	10	10/08/25	JRB	30 - 150 %
% DCAA (Confirmation)	77		%	10	10/08/25	JRB	30 - 150 %
<u>TCLP Pesticides</u>							
4,4' -DDD	ND	1.0	ug/L	10	10/07/25	AW	SW8081B
4,4' -DDE	ND	1.0	ug/L	10	10/07/25	AW	SW8081B
4,4' -DDT	ND	1.0	ug/L	10	10/07/25	AW	SW8081B
α-BHC	ND	0.50	ug/L	10	10/07/25	AW	SW8081B
Alachlor	ND	0.50	ug/L	10	10/07/25	AW	SW8081B
Aldrin	ND	0.50	ug/L	10	10/07/25	AW	SW8081B
β-BHC	ND	0.50	ug/L	10	10/07/25	AW	SW8081B
Chlordane	ND	5.0	ug/L	10	10/07/25	AW	SW8081B
δ-BHC	ND	0.50	ug/L	10	10/07/25	AW	SW8081B
Dieldrin	ND	1.0	ug/L	10	10/07/25	AW	SW8081B
Endosulfan I	ND	0.50	ug/L	10	10/07/25	AW	SW8081B
Endosulfan II	ND	1.0	ug/L	10	10/07/25	AW	SW8081B
Endosulfan Sulfate	ND	1.0	ug/L	10	10/07/25	AW	SW8081B
Endrin	ND	1.0	ug/L	10	10/07/25	AW	SW8081B
Endrin Aldehyde	ND	1.0	ug/L	10	10/07/25	AW	SW8081B
γ-BHC (Lindane)	ND	0.50	ug/L	10	10/07/25	AW	SW8081B
Heptachlor	ND	0.50	ug/L	10	10/07/25	AW	SW8081B
Heptachlor epoxide	ND	0.50	ug/L	10	10/07/25	AW	SW8081B
Methoxychlor	ND	0.50	ug/L	10	10/07/25	AW	SW8081B
Toxaphene	ND	20	ug/L	10	10/07/25	AW	SW8081B
<u>QA/QC Surrogates</u>							
%DCBP (Surrogate Rec)	71		%	10	10/07/25	AW	30 - 150 %
%DCBP (Surrogate Rec) (Confirmation)	69		%	10	10/07/25	AW	30 - 150 %
%TCMX (Surrogate Rec)	73		%	10	10/07/25	AW	30 - 150 %
%TCMX (Surrogate Rec) (Confirmation)	77		%	10	10/07/25	AW	30 - 150 %
<u>TPH DRO (C10-C28)</u>							
Diesel Range Organics (C10-C28)	ND	280	mg/Kg	5	10/08/25	JRB	SW8015D DRO
<u>QA/QC Surrogates</u>							
% Terphenyl-d14	80		%	5	10/08/25	JRB	50 - 150 %
% Tricosane(C23)	111		%	5	10/08/25	JRB	50 - 150 %
<u>Volatiles (TCL)</u>							
1,1,1-Trichloroethane	ND	5.1	ug/kg	1	10/03/25	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	5.1	ug/kg	1	10/03/25	JLI	SW8260D
1,1,2-Trichloroethane	ND	5.1	ug/kg	1	10/03/25	JLI	SW8260D
1,1-Dichloroethane	ND	5.1	ug/kg	1	10/03/25	JLI	SW8260D
1,1-Dichloroethene	ND	5.1	ug/kg	1	10/03/25	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	5.1	ug/kg	1	10/03/25	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	5.1	ug/kg	1	10/03/25	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,2,4-Trimethylbenzene	ND	5.1	ug/kg	1	10/03/25	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	5.1	ug/kg	1	10/03/25	JLI	SW8260D
1,2-Dibromoethane	ND	5.1	ug/kg	1	10/03/25	JLI	SW8260D
1,2-Dichlorobenzene	ND	5.1	ug/kg	1	10/03/25	JLI	SW8260D
1,2-Dichloroethane	ND	5.1	ug/kg	1	10/03/25	JLI	SW8260D
1,2-Dichloropropane	ND	5.1	ug/kg	1	10/03/25	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	5.1	ug/kg	1	10/03/25	JLI	SW8260D
1,3-Dichlorobenzene	ND	5.1	ug/kg	1	10/03/25	JLI	SW8260D
1,4-Dichlorobenzene	ND	5.1	ug/kg	1	10/03/25	JLI	SW8260D
2-Hexanone	ND	26	ug/kg	1	10/03/25	JLI	SW8260D
4-Methyl-2-pentanone	ND	26	ug/kg	1	10/03/25	JLI	SW8260D
Acetone	ND	50	ug/kg	1	10/03/25	JLI	SW8260D
Benzene	ND	5.1	ug/kg	1	10/03/25	JLI	SW8260D
Bromochloromethane	ND	5.1	ug/kg	1	10/03/25	JLI	SW8260D
Bromodichloromethane	ND	5.1	ug/kg	1	10/03/25	JLI	SW8260D
Bromoform	ND	5.1	ug/kg	1	10/03/25	JLI	SW8260D
Bromomethane	ND	5.1	ug/kg	1	10/03/25	JLI	SW8260D
Carbon Disulfide	7.4	5.1	ug/kg	1	10/03/25	JLI	SW8260D
Carbon tetrachloride	ND	5.1	ug/kg	1	10/03/25	JLI	SW8260D
Chlorobenzene	ND	5.1	ug/kg	1	10/03/25	JLI	SW8260D
Chloroethane	ND	5.1	ug/kg	1	10/03/25	JLI	SW8260D
Chloroform	ND	5.1	ug/kg	1	10/03/25	JLI	SW8260D
Chloromethane	ND	5.1	ug/kg	1	10/03/25	JLI	SW8260D
cis-1,2-Dichloroethene	ND	5.1	ug/kg	1	10/03/25	JLI	SW8260D
cis-1,3-Dichloropropene	ND	5.1	ug/kg	1	10/03/25	JLI	SW8260D
Cyclohexane	ND	5.1	ug/kg	1	10/03/25	JLI	SW8260D
Dibromochloromethane	ND	5.1	ug/kg	1	10/03/25	JLI	SW8260D
Dichlorodifluoromethane	ND	5.1	ug/kg	1	10/03/25	JLI	SW8260D
Ethylbenzene	5.2	5.1	ug/kg	1	10/03/25	JLI	SW8260D
Isopropylbenzene	ND	5.1	ug/kg	1	10/03/25	JLI	SW8260D
m&p-Xylene	ND	5.1	ug/kg	1	10/03/25	JLI	SW8260D
Methyl ethyl ketone	ND	31	ug/kg	1	10/03/25	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	10	ug/kg	1	10/03/25	JLI	SW8260D
Methylacetate	ND	51	ug/kg	1	10/03/25	JLI	SW8260D
Methylcyclohexane	ND	5.1	ug/kg	1	10/03/25	JLI	SW8260D
Methylene chloride	ND	26	ug/kg	1	10/03/25	JLI	SW8260D
o-Xylene	ND	5.1	ug/kg	1	10/03/25	JLI	SW8260D
Styrene	ND	5.1	ug/kg	1	10/03/25	JLI	SW8260D
Tetrachloroethene	ND	5.1	ug/kg	1	10/03/25	JLI	SW8260D
Toluene	ND	5.1	ug/kg	1	10/03/25	JLI	SW8260D
Total Xylenes	ND	5.1	ug/kg	1	10/03/25	JLI	SW8260D
trans-1,2-Dichloroethene	ND	5.1	ug/kg	1	10/03/25	JLI	SW8260D
trans-1,3-Dichloropropene	ND	5.1	ug/kg	1	10/03/25	JLI	SW8260D
Trichloroethene	ND	5.1	ug/kg	1	10/03/25	JLI	SW8260D
Trichlorofluoromethane	ND	5.1	ug/kg	1	10/03/25	JLI	SW8260D
Trichlorotrifluoroethane	ND	5.1	ug/kg	1	10/03/25	JLI	SW8260D
Vinyl chloride	ND	5.1	ug/kg	1	10/03/25	JLI	SW8260D
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	94		%	1	10/03/25	JLI	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Bromofluorobenzene	89		%	1	10/03/25	JLI	70 - 130 %
% Dibromofluoromethane	91		%	1	10/03/25	JLI	70 - 130 %
% Toluene-d8	88		%	1	10/03/25	JLI	70 - 130 %

1,4-dioxane

1,4-dioxane	ND	77	ug/kg	1	10/03/25	JLI	SW8260D
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Volatiles

1,2,3-Trichloropropane	ND	5.1	ug/Kg	1	10/03/25	JLI	SW8260D
1,2,4-Trimethylbenzene	ND	5.1	ug/Kg	1	10/03/25	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	5.1	ug/Kg	1	10/03/25	JLI	SW8260D
1,3-Dichloropropane	ND	5.1	ug/Kg	1	10/03/25	JLI	SW8260D
n-Butylbenzene	ND	5.1	ug/Kg	1	10/03/25	JLI	SW8260D
n-Propylbenzene	ND	5.1	ug/Kg	1	10/03/25	JLI	SW8260D
p-Isopropyltoluene	ND	5.1	ug/Kg	1	10/03/25	JLI	SW8260D
sec-Butylbenzene	ND	5.1	ug/Kg	1	10/03/25	JLI	SW8260D
tert-Butylbenzene	ND	5.1	ug/Kg	1	10/03/25	JLI	SW8260D

QA/QC Surrogates

% 1,2-dichlorobenzene-d4	94		%	1	10/03/25	JLI	70 - 130 %
% Bromofluorobenzene	89		%	1	10/03/25	JLI	70 - 130 %
% Dibromofluoromethane	91		%	1	10/03/25	JLI	70 - 130 %
% Toluene-d8	88		%	1	10/03/25	JLI	70 - 130 %

TCLP Volatiles

1,1-Dichloroethene	ND	50	ug/L	10	10/03/25	V	SW846 1311/8260
1,2-Dichloroethane	ND	50	ug/L	10	10/03/25	V	SW846 1311/8260
1,4-Dichlorobenzene	ND	50	ug/L	10	10/03/25	V	SW846 1311/8260
Benzene	ND	50	ug/L	10	10/03/25	V	SW846 1311/8260
Carbon tetrachloride	ND	50	ug/L	10	10/03/25	V	SW846 1311/8260
Chlorobenzene	ND	50	ug/L	10	10/03/25	V	SW846 1311/8260
Chloroform	ND	50	ug/L	10	10/03/25	V	SW846 1311/8260
Methyl ethyl ketone	ND	50	ug/L	10	10/03/25	V	SW846 1311/8260
Tetrachloroethene	ND	50	ug/L	10	10/03/25	V	SW846 1311/8260
Trichloroethene	ND	50	ug/L	10	10/03/25	V	SW846 1311/8260
Vinyl chloride	ND	50	ug/L	10	10/03/25	V	SW846 1311/8260

QA/QC Surrogates

% 1,2-dichlorobenzene-d4 (10x)	102		%	10	10/03/25	V	70 - 130 %
% Bromofluorobenzene (10x)	95		%	10	10/03/25	V	70 - 130 %
% Dibromofluoromethane (10x)	101		%	10	10/03/25	V	70 - 130 %
% Toluene-d8 (10x)	99		%	10	10/03/25	V	70 - 130 %

Volatile Library Search	Completed				10/03/25	JLI	
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Semivolatiles

1,1-Biphenyl	ND	270	ug/Kg	1	10/08/25	MR	SW8270E
1,2,4,5-Tetrachlorobenzene	ND	270	ug/Kg	1	10/08/25	MR	SW8270E
2,2'-Oxybis(1-Chloropropane)	ND	270	ug/Kg	1	10/08/25	MR	SW8270E
2,3,4,6-tetrachlorophenol	ND	270	ug/Kg	1	10/08/25	MR	SW8270E
2,4,5-Trichlorophenol	ND	270	ug/Kg	1	10/08/25	MR	SW8270E
2,4,6-Trichlorophenol	ND	270	ug/Kg	1	10/08/25	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2,4-Dichlorophenol	ND	270	ug/Kg	1	10/08/25	MR	SW8270E
2,4-Dimethylphenol	ND	270	ug/Kg	1	10/08/25	MR	SW8270E
2,4-Dinitrophenol	ND	610	ug/Kg	1	10/08/25	MR	SW8270E
2,4-Dinitrotoluene	ND	270	ug/Kg	1	10/08/25	MR	SW8270E
2,6-Dinitrotoluene	ND	270	ug/Kg	1	10/08/25	MR	SW8270E
2-Chloronaphthalene	ND	270	ug/Kg	1	10/08/25	MR	SW8270E
2-Chlorophenol	ND	270	ug/Kg	1	10/08/25	MR	SW8270E
2-Methylnaphthalene	ND	270	ug/Kg	1	10/08/25	MR	SW8270E
2-Methylphenol (o-cresol)	ND	270	ug/Kg	1	10/08/25	MR	SW8270E
2-Nitroaniline	ND	610	ug/Kg	1	10/08/25	MR	SW8270E
2-Nitrophenol	ND	270	ug/Kg	1	10/08/25	MR	SW8270E
3&4-Methylphenol (m&p-cresol)	ND	330	ug/Kg	1	10/08/25	MR	SW8270E
3,3'-Dichlorobenzidine	ND	460	ug/Kg	1	10/08/25	MR	SW8270E
3-Nitroaniline	ND	610	ug/Kg	1	10/08/25	MR	SW8270E
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	1	10/08/25	MR	SW8270E
4-Bromophenyl phenyl ether	ND	380	ug/Kg	1	10/08/25	MR	SW8270E
4-Chloro-3-methylphenol	ND	270	ug/Kg	1	10/08/25	MR	SW8270E
4-Chloroaniline	ND	270	ug/Kg	1	10/08/25	MR	SW8270E
4-Chlorophenyl phenyl ether	ND	270	ug/Kg	1	10/08/25	MR	SW8270E
4-Nitroaniline	ND	610	ug/Kg	1	10/08/25	MR	SW8270E
4-Nitrophenol	ND	1100	ug/Kg	1	10/08/25	MR	SW8270E
Acenaphthene	ND	270	ug/Kg	1	10/08/25	MR	SW8270E
Acenaphthylene	ND	270	ug/Kg	1	10/08/25	MR	SW8270E
Acetophenone	ND	270	ug/Kg	1	10/08/25	MR	SW8270E
Anthracene	ND	270	ug/Kg	1	10/08/25	MR	SW8270E
Atrazine	ND	270	ug/Kg	1	10/08/25	MR	SW8270E
Benz(a)anthracene	420	270	ug/Kg	1	10/08/25	MR	SW8270E
Benzaldehyde	ND	270	ug/Kg	1	10/08/25	MR	SW8270E
Benzo(a)pyrene	390	270	ug/Kg	1	10/08/25	MR	SW8270E
Benzo(b)fluoranthene	480	270	ug/Kg	1	10/08/25	MR	SW8270E
Benzo(ghi)perylene	450	270	ug/Kg	1	10/08/25	MR	SW8270E
Benzo(k)fluoranthene	ND	270	ug/Kg	1	10/08/25	MR	SW8270E
Benzyl butyl phthalate	ND	270	ug/Kg	1	10/08/25	MR	SW8270E
Bis(2-chloroethoxy)methane	ND	270	ug/Kg	1	10/08/25	MR	SW8270E
Bis(2-chloroethyl)ether	ND	380	ug/Kg	1	10/08/25	MR	SW8270E
Bis(2-ethylhexyl)phthalate	ND	270	ug/Kg	1	10/08/25	MR	SW8270E
Caprolactam	ND	270	ug/Kg	1	10/08/25	MR	SW8270E
Carbazole	ND	380	ug/Kg	1	10/08/25	MR	SW8270E
Chrysene	450	270	ug/Kg	1	10/08/25	MR	SW8270E
Dibenz(a,h)anthracene	ND	190	ug/Kg	1	10/08/25	MR	SW8270E
Dibenzofuran	ND	270	ug/Kg	1	10/08/25	MR	SW8270E
Diethyl phthalate	ND	270	ug/Kg	1	10/08/25	MR	SW8270E
Dimethylphthalate	ND	270	ug/Kg	1	10/08/25	MR	SW8270E
Di-n-butylphthalate	ND	760	ug/Kg	1	10/08/25	MR	SW8270E
Di-n-octylphthalate	ND	270	ug/Kg	1	10/08/25	MR	SW8270E
Fluoranthene	1200	270	ug/Kg	1	10/08/25	MR	SW8270E
Fluorene	ND	270	ug/Kg	1	10/08/25	MR	SW8270E
Hexachlorobenzene	ND	270	ug/Kg	1	10/08/25	MR	SW8270E
Hexachlorobutadiene	ND	270	ug/Kg	1	10/08/25	MR	SW8270E

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Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Hexachlorocyclopentadiene	ND	270	ug/Kg	1	10/08/25	MR	SW8270E
Hexachloroethane	ND	270	ug/Kg	1	10/08/25	MR	SW8270E
Indeno(1,2,3-cd)pyrene	370	270	ug/Kg	1	10/08/25	MR	SW8270E
Isophorone	ND	270	ug/Kg	1	10/08/25	MR	SW8270E
Naphthalene	ND	270	ug/Kg	1	10/08/25	MR	SW8270E
Nitrobenzene	ND	270	ug/Kg	1	10/08/25	MR	SW8270E
N-Nitrosodimethylamine	ND	380	ug/Kg	1	10/08/25	MR	SW8270E
N-Nitrosodi-n-propylamine	ND	190	ug/Kg	1	10/08/25	MR	SW8270E
N-Nitrosodiphenylamine	ND	380	ug/Kg	1	10/08/25	MR	SW8270E
Pentachlorophenol	ND	380	ug/Kg	1	10/08/25	MR	SW8270E
Phenanthrene	890	270	ug/Kg	1	10/08/25	MR	SW8270E
Phenol	ND	270	ug/Kg	1	10/08/25	MR	SW8270E
Pyrene	1100	270	ug/Kg	1	10/08/25	MR	SW8270E
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	51		%	1	10/08/25	MR	30 - 130 %
% 2-Fluorobiphenyl	40		%	1	10/08/25	MR	30 - 130 %
% 2-Fluorophenol	48		%	1	10/08/25	MR	30 - 130 %
% Nitrobenzene-d5	53		%	1	10/08/25	MR	30 - 130 %
% Phenol-d5	50		%	1	10/08/25	MR	30 - 130 %
% Terphenyl-d14	61		%	1	10/08/25	MR	30 - 130 %
<u>TCLP Acid/Base-Neutral</u>							
1,4-Dichlorobenzene	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270
2,4,5-Trichlorophenol	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270
2,4,6-Trichlorophenol	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270
2,4-Dinitrotoluene	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270
2-Methylphenol (o-cresol)	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270
3&4-Methylphenol (m&p-Cresol)	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270
Hexachlorobenzene	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270
Hexachlorobutadiene	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270
Hexachloroethane	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270
Nitrobenzene	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270
Pentachlorophenol	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270
Pyridine	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	85		%	1	10/06/25	MR	15 - 110 %
% 2-Fluorobiphenyl	68		%	1	10/06/25	MR	30 - 130 %
% 2-Fluorophenol	59		%	1	10/06/25	MR	15 - 110 %
% Nitrobenzene-d5	69		%	1	10/06/25	MR	30 - 130 %
% Phenol-d5	53		%	1	10/06/25	MR	15 - 110 %
% Terphenyl-d14	78		%	1	10/06/25	MR	30 - 130 %
Semivolatle Library Search	Completed				10/08/25	MR	

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

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.

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.

Hexavalent Chromium:

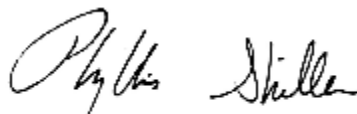
This sample is in a reducing state.

Semi-Volatile Comment:

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

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 09, 2025

Official Report Release To Follow



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



Analysis Report

October 09, 2025

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

Sample Information

Matrix: SOIL
Location Code: AES-EASTSIDE
Rush Request: 5 Day
P.O.#: 0897

Custody Information

Collected by:
Received by: SR1
Analyzed by: see "By" below

Date Time
09/30/25 12:16
10/01/25 16:00

Laboratory Data

SDG ID: GCU39065
Phoenix ID: CU39067

Project ID: EAST SIDE COASTAL RESILIENCY
Client ID: WEST 1

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.37	0.37	mg/Kg	1	10/03/25	TH	SW6010D
Aluminum	6930	5.6	mg/Kg	1	10/03/25	TH	SW6010D
Arsenic	3.30	0.75	mg/Kg	1	10/03/25	TH	SW6010D
Barium	58.2	0.37	mg/Kg	1	10/03/25	TH	SW6010D
Beryllium	0.36	0.30	mg/Kg	1	10/03/25	TH	SW6010D
Calcium	27100	56	mg/Kg	10	10/03/25	TH	SW6010D
Cadmium	< 0.37	0.37	mg/Kg	1	10/03/25	TH	SW6010D
Cobalt	5.03	0.37	mg/Kg	1	10/03/25	TH	SW6010D
Chromium	13.7	0.37	mg/Kg	1	10/03/25	TH	SW6010D
Copper	27.8	0.7	mg/kg	1	10/03/25	TH	SW6010D
Iron	15200	5.6	mg/Kg	1	10/03/25	TH	SW6010D
Mercury	0.143	0.086	mg/Kg	1	10/02/25	ZT	SW7473
Potassium	1140	56	mg/Kg	10	10/03/25	TH	SW6010D
Magnesium	4050	5.6	mg/Kg	1	10/03/25	TH	SW6010D
Manganese	435	0.37	mg/Kg	1	10/03/25	TH	SW6010D
Sodium	432	5.6	mg/Kg	1	10/03/25	TH	SW6010D
Nickel	9.77	0.37	mg/Kg	1	10/03/25	TH	SW6010D
Lead	52.7	0.37	mg/Kg	1	10/03/25	TH	SW6010D
Antimony	< 3.7	3.7	mg/Kg	1	10/03/25	TH	SW6010D
Selenium	< 1.5	1.5	mg/Kg	1	10/03/25	TH	SW6010D
TCLP Silver	< 0.10	0.10	mg/L	1	10/02/25	CPP	SW846 1311/6010
TCLP Arsenic	< 0.10	0.10	mg/L	1	10/02/25	CPP	SW846 1311/6010
TCLP Barium	0.47	0.10	mg/L	1	10/02/25	CPP	SW846 1311/6010
TCLP Cadmium	< 0.050	0.050	mg/L	1	10/02/25	CPP	SW846 1311/6010
TCLP Chromium	< 0.10	0.10	mg/L	1	10/02/25	CPP	SW846 1311/6010
TCLP Mercury	< 0.0002	0.0002	mg/L	1	10/02/25	AJ1	SW846 1311/7470
TCLP Lead	< 0.10	0.10	mg/L	1	10/02/25	CPP	SW846 1311/6010
TCLP Selenium	< 0.10	0.10	mg/L	1	10/02/25	CPP	SW846 1311/6010D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Thallium	< 3.4	3.4	mg/Kg	1	10/03/25	TH	SW6010D
TCLP Metals Digestion	Completed				10/02/25	AK/GW	SW3010A
Vanadium	23.7	0.37	mg/Kg	1	10/03/25	TH	SW6010D
Zinc	61.2	0.7	mg/Kg	1	10/03/25	TH	SW6010D
Percent Solid	87		%		10/01/25	CV	SW846-%Solid
Corrosivity	Negative		Pos/Neg	1	10/02/25	KG	SW846-Corr
Flash Point	>200	200	Degree F	1	10/02/25	G	SW1010B
Chromium, Hex. (SW3060A digestion	< 0.42	0.42	mg/Kg	1	10/06/25	NP	SW7196A
Ignitability	Passed	140	degree F	1	10/02/25	G	SW846-Ignit
pH at 22C - Soil	10.3	1.00	pH Units	1	10/02/25 00:19	KG	SW846 9045D
Reactivity Cyanide	< 5	5	mg/Kg	1	10/03/25	NP/GD	SW846 7.3.3.1/90
Reactivity Sulfide	< 20	20	mg/Kg	1	10/03/25	NP/GD	SW846 CH7
Reactivity	Negative		Pos/Neg	1	10/03/25	NP/GD	SW846-React
Redox Potential	-243		mV	1	10/02/25	KG	SM2580B-09
Total Cyanide (SW9010C Distill.)	< 0.57	0.57	mg/Kg	1	10/06/25	EG	SW9012B
Extraction of NY ETPH	Completed				10/07/25	C/Q	SW3546
Soil Extraction for Herbicide	Completed				10/05/25	Y/D	SW3546
NJ EPH Extraction	Completed				10/07/25	C/U	NJDEP 10-08 R3
Soil Extraction for PCB	Completed				10/07/25	AJ/H/U/Q	SW3546
Soil Extraction for Pesticides	Completed				10/07/25	AJ/H/U/Q	SW3546
Soil Extraction for SVOA	Completed				10/07/25	H/Q	SW3546
TCLP Digestion Mercury	Completed				10/02/25	AK/GW	SW7470A
TCLP Herbicides Extraction	Completed				10/06/25	CV/D	SW8150 MOD
TCLP Extraction for Metals	Completed				10/01/25	AK	SW1311
TCLP Extraction for Organics	Completed				10/01/25	AK	SW1311
TCLP Pesticides Extraction	Completed				10/03/25	T/T	SW3510C
TCLP Semi-Volatile Extraction	Completed				10/06/25	J/J	SW3510C
TCLP Extraction Volatiles	Completed				10/01/25	CV	SW1311
Total Metals Digest	Completed				10/01/25	P/AG/BF	SW3050B

NJ EPH Category 1 (Fuel #2/Diesel)

>C28-C40	ND	92	mg/kg	10	10/08/25	JRB	NJEPH 10-08 R3	1
C9-C28	ND	180	mg/kg	10	10/08/25	JRB	NJEPH 10-08 R3	1
Total EPH	ND	92	mg/kg	10	10/08/25	JRB	NJEPH 10-08 R3	1

QA/QC Surrogates

% COD (surr)	79		%	10	10/08/25	JRB	40 - 140 %
% Terphenyl (surr)	Interference		%	10	10/08/25	JRB	40 - 140 %

Gasoline Range Hydrocarbons (C6-C10)

GRO (C6-C10)	190	67	mg/Kg	500	10/03/25	V	SW8015D GRO
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QA/QC Surrogates

% 2,5-Dibromotoluene (FID)	99		%	500	10/03/25	V	70 - 130 %
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Chlorinated Herbicides

2,4,5-T	ND	140	ug/Kg	10	10/07/25	JRB	SW8151A
2,4,5-TP (Silvex)	ND	140	ug/Kg	10	10/07/25	JRB	SW8151A
2,4-D	ND	290	ug/Kg	10	10/07/25	JRB	SW8151A
2,4-DB	ND	1400	ug/Kg	10	10/07/25	JRB	SW8151A
Dalapon	ND	140	ug/Kg	10	10/07/25	JRB	SW8151A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Dicamba	ND	140	ug/Kg	10	10/07/25	JRB	SW8151A
Dichloroprop	ND	290	ug/Kg	10	10/07/25	JRB	SW8151A
Dinoseb	ND	290	ug/Kg	10	10/07/25	JRB	SW8151A
<u>QA/QC Surrogates</u>							
% DCAA	82		%	10	10/07/25	JRB	30 - 150 %
% DCAA (Confirmation)	79		%	10	10/07/25	JRB	30 - 150 %
<u>Polychlorinated Biphenyls</u>							
PCB-1016	ND	75	ug/Kg	2	10/08/25	SC	SW8082A
PCB-1221	ND	75	ug/Kg	2	10/08/25	SC	SW8082A
PCB-1232	ND	75	ug/Kg	2	10/08/25	SC	SW8082A
PCB-1242	ND	75	ug/Kg	2	10/08/25	SC	SW8082A
PCB-1248	ND	75	ug/Kg	2	10/08/25	SC	SW8082A
PCB-1254	130	75	ug/Kg	2	10/08/25	SC	SW8082A
PCB-1260	ND	75	ug/Kg	2	10/08/25	SC	SW8082A
PCB-1262	ND	75	ug/Kg	2	10/08/25	SC	SW8082A
PCB-1268	ND	75	ug/Kg	2	10/08/25	SC	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	86		%	2	10/08/25	SC	30 - 150 %
% DCBP (Confirmation)	67		%	2	10/08/25	SC	30 - 150 %
% TCMX	58		%	2	10/08/25	SC	30 - 150 %
% TCMX (Confirmation)	65		%	2	10/08/25	SC	30 - 150 %
<u>Pesticides - Soil</u>							
4,4' -DDD	ND	15	ug/Kg	20	10/08/25	AW	SW8081B
4,4' -DDE	25	15	ug/Kg	20	10/08/25	AW	SW8081B
4,4' -DDT	160	22	ug/Kg	20	10/08/25	AW	SW8081B
a-BHC	ND	15	ug/Kg	20	10/08/25	AW	SW8081B
a-Chlordane	ND	37	ug/Kg	20	10/08/25	AW	SW8081B
Aldrin	ND	15	ug/Kg	20	10/08/25	AW	SW8081B
b-BHC	ND	15	ug/Kg	20	10/08/25	AW	SW8081B
Chlordane	ND	370	ug/Kg	20	10/08/25	AW	SW8081B
d-BHC	ND	15	ug/Kg	20	10/08/25	AW	SW8081B
Dieldrin	ND	15	ug/Kg	20	10/08/25	AW	SW8081B
Endosulfan I	ND	75	ug/Kg	20	10/08/25	AW	SW8081B
Endosulfan II	ND	75	ug/Kg	20	10/08/25	AW	SW8081B
Endosulfan sulfate	ND	75	ug/Kg	20	10/08/25	AW	SW8081B
Endrin	ND	37	ug/Kg	20	10/08/25	AW	SW8081B
Endrin aldehyde	ND	75	ug/Kg	20	10/08/25	AW	SW8081B
Endrin ketone	ND	75	ug/Kg	20	10/08/25	AW	SW8081B
g-BHC	ND	15	ug/Kg	20	10/08/25	AW	SW8081B
g-Chlordane	ND	37	ug/Kg	20	10/08/25	AW	SW8081B
Heptachlor	ND	37	ug/Kg	20	10/08/25	AW	SW8081B
Heptachlor epoxide	ND	75	ug/Kg	20	10/08/25	AW	SW8081B
Methoxychlor	ND	370	ug/Kg	20	10/08/25	AW	SW8081B
Toxaphene	ND	1500	ug/Kg	20	10/08/25	AW	SW8081B
<u>QA/QC Surrogates</u>							
% DCBP	Diluted Out		%	20	10/08/25	AW	30 - 150 %
% DCBP (Confirmation)	Diluted Out		%	20	10/08/25	AW	30 - 150 %
% TCMX	Diluted Out		%	20	10/08/25	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% TCMX (Confirmation)	Diluted Out		%	20	10/08/25	AW	30 - 150 %
<u>TCLP Herbicides</u>							
2,4,5-TP (Silvex)	ND	50	ug/L	10	10/08/25	JRB	SW846 1311/8151
2,4-D	ND	100	ug/L	10	10/08/25	JRB	SW846 1311/8151
<u>QA/QC Surrogates</u>							
% DCAA	62		%	10	10/08/25	JRB	30 - 150 %
% DCAA (Confirmation)	75		%	10	10/08/25	JRB	30 - 150 %
<u>TCLP Pesticides</u>							
4,4' -DDD	ND	1.0	ug/L	10	10/07/25	AW	SW8081B
4,4' -DDE	ND	1.0	ug/L	10	10/07/25	AW	SW8081B
4,4' -DDT	ND	1.0	ug/L	10	10/07/25	AW	SW8081B
α-BHC	ND	0.50	ug/L	10	10/07/25	AW	SW8081B
Alachlor	ND	0.50	ug/L	10	10/07/25	AW	SW8081B
Aldrin	ND	0.50	ug/L	10	10/07/25	AW	SW8081B
β-BHC	ND	0.50	ug/L	10	10/07/25	AW	SW8081B
Chlordane	ND	5.0	ug/L	10	10/07/25	AW	SW8081B
δ-BHC	ND	0.50	ug/L	10	10/07/25	AW	SW8081B
Dieldrin	ND	1.0	ug/L	10	10/07/25	AW	SW8081B
Endosulfan I	ND	0.50	ug/L	10	10/07/25	AW	SW8081B
Endosulfan II	ND	1.0	ug/L	10	10/07/25	AW	SW8081B
Endosulfan Sulfate	ND	1.0	ug/L	10	10/07/25	AW	SW8081B
Endrin	ND	1.0	ug/L	10	10/07/25	AW	SW8081B
Endrin Aldehyde	ND	1.0	ug/L	10	10/07/25	AW	SW8081B
γ-BHC (Lindane)	ND	0.50	ug/L	10	10/07/25	AW	SW8081B
Heptachlor	ND	0.50	ug/L	10	10/07/25	AW	SW8081B
Heptachlor epoxide	ND	0.50	ug/L	10	10/07/25	AW	SW8081B
Methoxychlor	ND	0.50	ug/L	10	10/07/25	AW	SW8081B
Toxaphene	ND	20	ug/L	10	10/07/25	AW	SW8081B
<u>QA/QC Surrogates</u>							
%DCBP (Surrogate Rec)	72		%	10	10/07/25	AW	30 - 150 %
%DCBP (Surrogate Rec) (Confirmation)	73		%	10	10/07/25	AW	30 - 150 %
%TCMX (Surrogate Rec)	74		%	10	10/07/25	AW	30 - 150 %
%TCMX (Surrogate Rec) (Confirmation)	75		%	10	10/07/25	AW	30 - 150 %
<u>TPH DRO (C10-C28)</u>							
Diesel Range Organics (C10-C28)	ND	280	mg/Kg	5	10/08/25	JRB	SW8015D DRO
<u>QA/QC Surrogates</u>							
% Terphenyl-d14	61		%	5	10/08/25	JRB	50 - 150 %
% Tricosane(C23)	68		%	5	10/08/25	JRB	50 - 150 %
<u>Volatiles (TCL)</u>							
1,1,1-Trichloroethane	ND	28	ug/kg	1	10/03/25	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	28	ug/kg	1	10/03/25	JLI	SW8260D
1,1,2-Trichloroethane	ND	28	ug/kg	1	10/03/25	JLI	SW8260D
1,1-Dichloroethane	ND	28	ug/kg	1	10/03/25	JLI	SW8260D
1,1-Dichloroethene	ND	28	ug/kg	1	10/03/25	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	28	ug/kg	1	10/03/25	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	28	ug/kg	1	10/03/25	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,2,4-Trimethylbenzene	11000	330	ug/kg	50	10/03/25	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	28	ug/kg	1	10/03/25	JLI	SW8260D
1,2-Dibromoethane	ND	28	ug/kg	1	10/03/25	JLI	SW8260D
1,2-Dichlorobenzene	ND	28	ug/kg	1	10/03/25	JLI	SW8260D
1,2-Dichloroethane	ND	20	ug/kg	1	10/03/25	JLI	SW8260D
1,2-Dichloropropane	ND	28	ug/kg	1	10/03/25	JLI	SW8260D
1,3,5-Trimethylbenzene	3600	330	ug/kg	50	10/03/25	JLI	SW8260D
1,3-Dichlorobenzene	ND	28	ug/kg	1	10/03/25	JLI	SW8260D
1,4-Dichlorobenzene	ND	28	ug/kg	1	10/03/25	JLI	SW8260D
2-Hexanone	ND	140	ug/kg	1	10/03/25	JLI	SW8260D
4-Methyl-2-pentanone	ND	140	ug/kg	1	10/03/25	JLI	SW8260D
Acetone	91	S 50	ug/kg	1	10/03/25	JLI	SW8260D
Benzene	2700	330	ug/kg	50	10/03/25	JLI	SW8260D
Bromochloromethane	ND	28	ug/kg	1	10/03/25	JLI	SW8260D
Bromodichloromethane	ND	28	ug/kg	1	10/03/25	JLI	SW8260D
Bromoform	ND	28	ug/kg	1	10/03/25	JLI	SW8260D
Bromomethane	ND	28	ug/kg	1	10/03/25	JLI	SW8260D
Carbon Disulfide	130	28	ug/kg	1	10/03/25	JLI	SW8260D
Carbon tetrachloride	ND	28	ug/kg	1	10/03/25	JLI	SW8260D
Chlorobenzene	ND	28	ug/kg	1	10/03/25	JLI	SW8260D
Chloroethane	ND	28	ug/kg	1	10/03/25	JLI	SW8260D
Chloroform	ND	28	ug/kg	1	10/03/25	JLI	SW8260D
Chloromethane	ND	28	ug/kg	1	10/03/25	JLI	SW8260D
cis-1,2-Dichloroethene	ND	28	ug/kg	1	10/03/25	JLI	SW8260D
cis-1,3-Dichloropropene	ND	28	ug/kg	1	10/03/25	JLI	SW8260D
Cyclohexane	ND	28	ug/kg	1	10/03/25	JLI	SW8260D
Dibromochloromethane	ND	28	ug/kg	1	10/03/25	JLI	SW8260D
Dichlorodifluoromethane	ND	28	ug/kg	1	10/03/25	JLI	SW8260D
Ethylbenzene	12000	330	ug/kg	50	10/03/25	JLI	SW8260D
Isopropylbenzene	1300	330	ug/kg	50	10/03/25	JLI	SW8260D
m&p-Xylene	12000	330	ug/kg	50	10/03/25	JLI	SW8260D
Methyl ethyl ketone	ND	120	ug/kg	1	10/03/25	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	56	ug/kg	1	10/03/25	JLI	SW8260D
Methylacetate	ND	280	ug/kg	1	10/03/25	JLI	SW8260D
Methylcyclohexane	44	28	ug/kg	1	10/03/25	JLI	SW8260D
Methylene chloride	ND	50	ug/kg	1	10/03/25	JLI	SW8260D
o-Xylene	6100	330	ug/kg	50	10/03/25	JLI	SW8260D
Styrene	5500	330	ug/kg	50	10/03/25	JLI	SW8260D
Tetrachloroethene	ND	28	ug/kg	1	10/03/25	JLI	SW8260D
Toluene	6900	330	ug/kg	50	10/03/25	JLI	SW8260D
Total Xylenes	18100	330	ug/kg	50	10/03/25	JLI	SW8260D
trans-1,2-Dichloroethene	ND	28	ug/kg	1	10/03/25	JLI	SW8260D
trans-1,3-Dichloropropene	ND	28	ug/kg	1	10/03/25	JLI	SW8260D
Trichloroethene	ND	28	ug/kg	1	10/03/25	JLI	SW8260D
Trichlorofluoromethane	ND	28	ug/kg	1	10/03/25	JLI	SW8260D
Trichlorotrifluoroethane	ND	28	ug/kg	1	10/03/25	JLI	SW8260D
Vinyl chloride	ND	20	ug/kg	1	10/03/25	JLI	SW8260D
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	95		%	1	10/03/25	JLI	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Bromofluorobenzene	109		%	1	10/03/25	JLI	70 - 130 %
% Dibromofluoromethane	117		%	1	10/03/25	JLI	70 - 130 %
% Toluene-d8	89		%	1	10/03/25	JLI	70 - 130 %
% 1,2-dichlorobenzene-d4 (50x)	104		%	50	10/03/25	JLI	70 - 130 %
% Bromofluorobenzene (50x)	100		%	50	10/03/25	JLI	70 - 130 %
% Dibromofluoromethane (50x)	90		%	50	10/03/25	JLI	70 - 130 %
% Toluene-d8 (50x)	96		%	50	10/03/25	JLI	70 - 130 %

1,4-dioxane

1,4-dioxane	ND	220	ug/kg	1	10/03/25	JLI	SW8260D
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Volatiles

1,2,3-Trichloropropane	ND	28	ug/Kg	1	10/03/25	JLI	SW8260D
1,2,4-Trimethylbenzene	11000	330	ug/Kg	50	10/03/25	JLI	SW8260D
1,3,5-Trimethylbenzene	3600	330	ug/Kg	50	10/03/25	JLI	SW8260D
1,3-Dichloropropane	ND	28	ug/Kg	1	10/03/25	JLI	SW8260D
n-Butylbenzene	240	230	ug/Kg	50	10/03/25	JLI	SW8260D
n-Propylbenzene	850	330	ug/Kg	50	10/03/25	JLI	SW8260D
p-Isopropyltoluene	1300	330	ug/Kg	50	10/03/25	JLI	SW8260D
sec-Butylbenzene	22	20	ug/Kg	1	10/03/25	JLI	SW8260D
tert-Butylbenzene	ND	28	ug/Kg	1	10/03/25	JLI	SW8260D

QA/QC Surrogates

% 1,2-dichlorobenzene-d4	95		%	1	10/03/25	JLI	70 - 130 %
% Bromofluorobenzene	109		%	1	10/03/25	JLI	70 - 130 %
% Dibromofluoromethane	117		%	1	10/03/25	JLI	70 - 130 %
% Toluene-d8	89		%	1	10/03/25	JLI	70 - 130 %
% 1,2-dichlorobenzene-d4 (50x)	104		%	50	10/03/25	JLI	70 - 130 %
% Bromofluorobenzene (50x)	100		%	50	10/03/25	JLI	70 - 130 %
% Dibromofluoromethane (50x)	90		%	50	10/03/25	JLI	70 - 130 %
% Toluene-d8 (50x)	96		%	50	10/03/25	JLI	70 - 130 %

TCLP Volatiles

1,1-Dichloroethene	ND	50	ug/L	10	10/04/25	V	SW846 1311/8260
1,2-Dichloroethane	ND	50	ug/L	10	10/04/25	V	SW846 1311/8260
1,4-Dichlorobenzene	ND	50	ug/L	10	10/04/25	V	SW846 1311/8260
Benzene	ND	50	ug/L	10	10/04/25	V	SW846 1311/8260
Carbon tetrachloride	ND	50	ug/L	10	10/04/25	V	SW846 1311/8260
Chlorobenzene	ND	50	ug/L	10	10/04/25	V	SW846 1311/8260
Chloroform	ND	50	ug/L	10	10/04/25	V	SW846 1311/8260
Methyl ethyl ketone	ND	50	ug/L	10	10/04/25	V	SW846 1311/8260
Tetrachloroethene	ND	50	ug/L	10	10/04/25	V	SW846 1311/8260
Trichloroethene	ND	50	ug/L	10	10/04/25	V	SW846 1311/8260
Vinyl chloride	ND	50	ug/L	10	10/04/25	V	SW846 1311/8260

QA/QC Surrogates

% 1,2-dichlorobenzene-d4 (10x)	102		%	10	10/04/25	V	70 - 130 %
% Bromofluorobenzene (10x)	97		%	10	10/04/25	V	70 - 130 %
% Dibromofluoromethane (10x)	102		%	10	10/04/25	V	70 - 130 %
% Toluene-d8 (10x)	99		%	10	10/04/25	V	70 - 130 %

Volatile Library Search	Completed				10/03/25	JLI	
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Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<u>Semivolatiles</u>							
1,1-Biphenyl	ND	260	ug/Kg	1	10/08/25	MR	SW8270E
1,2,4,5-Tetrachlorobenzene	ND	260	ug/Kg	1	10/08/25	MR	SW8270E
2,2'-Oxybis(1-Chloropropane)	ND	260	ug/Kg	1	10/08/25	MR	SW8270E
2,3,4,6-tetrachlorophenol	ND	260	ug/Kg	1	10/08/25	MR	SW8270E
2,4,5-Trichlorophenol	ND	260	ug/Kg	1	10/08/25	MR	SW8270E
2,4,6-Trichlorophenol	ND	260	ug/Kg	1	10/08/25	MR	SW8270E
2,4-Dichlorophenol	ND	260	ug/Kg	1	10/08/25	MR	SW8270E
2,4-Dimethylphenol	ND	260	ug/Kg	1	10/08/25	MR	SW8270E
2,4-Dinitrophenol	ND	600	ug/Kg	1	10/08/25	MR	SW8270E
2,4-Dinitrotoluene	ND	260	ug/Kg	1	10/08/25	MR	SW8270E
2,6-Dinitrotoluene	ND	260	ug/Kg	1	10/08/25	MR	SW8270E
2-Chloronaphthalene	ND	260	ug/Kg	1	10/08/25	MR	SW8270E
2-Chlorophenol	ND	260	ug/Kg	1	10/08/25	MR	SW8270E
2-Methylnaphthalene	1700	260	ug/Kg	1	10/08/25	MR	SW8270E
2-Methylphenol (o-cresol)	ND	260	ug/Kg	1	10/08/25	MR	SW8270E
2-Nitroaniline	ND	600	ug/Kg	1	10/08/25	MR	SW8270E
2-Nitrophenol	ND	260	ug/Kg	1	10/08/25	MR	SW8270E
3&4-Methylphenol (m&p-cresol)	ND	330	ug/Kg	1	10/08/25	MR	SW8270E
3,3'-Dichlorobenzidine	ND	450	ug/Kg	1	10/08/25	MR	SW8270E
3-Nitroaniline	ND	600	ug/Kg	1	10/08/25	MR	SW8270E
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	1	10/08/25	MR	SW8270E
4-Bromophenyl phenyl ether	ND	370	ug/Kg	1	10/08/25	MR	SW8270E
4-Chloro-3-methylphenol	ND	260	ug/Kg	1	10/08/25	MR	SW8270E
4-Chloroaniline	ND	260	ug/Kg	1	10/08/25	MR	SW8270E
4-Chlorophenyl phenyl ether	ND	260	ug/Kg	1	10/08/25	MR	SW8270E
4-Nitroaniline	ND	600	ug/Kg	1	10/08/25	MR	SW8270E
4-Nitrophenol	ND	1100	ug/Kg	1	10/08/25	MR	SW8270E
Acenaphthene	3600	260	ug/Kg	1	10/08/25	MR	SW8270E
Acenaphthylene	2000	260	ug/Kg	1	10/08/25	MR	SW8270E
Acetophenone	ND	260	ug/Kg	1	10/08/25	MR	SW8270E
Anthracene	3200	260	ug/Kg	1	10/08/25	MR	SW8270E
Atrazine	ND	260	ug/Kg	1	10/08/25	MR	SW8270E
Benz(a)anthracene	2700	260	ug/Kg	1	10/08/25	MR	SW8270E
Benzaldehyde	ND	260	ug/Kg	1	10/08/25	MR	SW8270E
Benzo(a)pyrene	2100	260	ug/Kg	1	10/08/25	MR	SW8270E
Benzo(b)fluoranthene	2000	260	ug/Kg	1	10/08/25	MR	SW8270E
Benzo(ghi)perylene	1100	260	ug/Kg	1	10/08/25	MR	SW8270E
Benzo(k)fluoranthene	680	260	ug/Kg	1	10/08/25	MR	SW8270E
Benzyl butyl phthalate	ND	260	ug/Kg	1	10/08/25	MR	SW8270E
Bis(2-chloroethoxy)methane	ND	260	ug/Kg	1	10/08/25	MR	SW8270E
Bis(2-chloroethyl)ether	ND	370	ug/Kg	1	10/08/25	MR	SW8270E
Bis(2-ethylhexyl)phthalate	ND	260	ug/Kg	1	10/08/25	MR	SW8270E
Caprolactam	ND	260	ug/Kg	1	10/08/25	MR	SW8270E
Carbazole	ND	370	ug/Kg	1	10/08/25	MR	SW8270E
Chrysene	2600	260	ug/Kg	1	10/08/25	MR	SW8270E
Dibenz(a,h)anthracene	300	190	ug/Kg	1	10/08/25	MR	SW8270E
Dibenzofuran	660	260	ug/Kg	1	10/08/25	MR	SW8270E
Diethyl phthalate	ND	260	ug/Kg	1	10/08/25	MR	SW8270E

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Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Dimethylphthalate	ND	260	ug/Kg	1	10/08/25	MR	SW8270E
Di-n-butylphthalate	ND	750	ug/Kg	1	10/08/25	MR	SW8270E
Di-n-octylphthalate	ND	260	ug/Kg	1	10/08/25	MR	SW8270E
Fluoranthene	6600	260	ug/Kg	1	10/08/25	MR	SW8270E
Fluorene	5800	260	ug/Kg	1	10/08/25	MR	SW8270E
Hexachlorobenzene	ND	260	ug/Kg	1	10/08/25	MR	SW8270E
Hexachlorobutadiene	ND	260	ug/Kg	1	10/08/25	MR	SW8270E
Hexachlorocyclopentadiene	ND	260	ug/Kg	1	10/08/25	MR	SW8270E
Hexachloroethane	ND	260	ug/Kg	1	10/08/25	MR	SW8270E
Indeno(1,2,3-cd)pyrene	1000	260	ug/Kg	1	10/08/25	MR	SW8270E
Isophorone	ND	260	ug/Kg	1	10/08/25	MR	SW8270E
Naphthalene	3600	260	ug/Kg	1	10/08/25	MR	SW8270E
Nitrobenzene	ND	260	ug/Kg	1	10/08/25	MR	SW8270E
N-Nitrosodimethylamine	ND	370	ug/Kg	1	10/08/25	MR	SW8270E
N-Nitrosodi-n-propylamine	ND	190	ug/Kg	1	10/08/25	MR	SW8270E
N-Nitrosodiphenylamine	ND	370	ug/Kg	1	10/08/25	MR	SW8270E
Pentachlorophenol	ND	370	ug/Kg	1	10/08/25	MR	SW8270E
Phenanthrene	17000	1300	ug/Kg	5	10/08/25	MR	SW8270E
Phenol	ND	260	ug/Kg	1	10/08/25	MR	SW8270E
Pyrene	7100	1300	ug/Kg	5	10/08/25	MR	SW8270E
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	64		%	1	10/08/25	MR	30 - 130 %
% 2-Fluorobiphenyl	47		%	1	10/08/25	MR	30 - 130 %
% 2-Fluorophenol	52		%	1	10/08/25	MR	30 - 130 %
% Nitrobenzene-d5	65		%	1	10/08/25	MR	30 - 130 %
% Phenol-d5	61		%	1	10/08/25	MR	30 - 130 %
% Terphenyl-d14	76		%	1	10/08/25	MR	30 - 130 %
% 2,4,6-Tribromophenol (5x)	69		%	5	10/08/25	MR	30 - 130 %
% 2-Fluorobiphenyl (5x)	61		%	5	10/08/25	MR	30 - 130 %
% 2-Fluorophenol (5x)	42		%	5	10/08/25	MR	30 - 130 %
% Nitrobenzene-d5 (5x)	56		%	5	10/08/25	MR	30 - 130 %
% Phenol-d5 (5x)	49		%	5	10/08/25	MR	30 - 130 %
% Terphenyl-d14 (5x)	58		%	5	10/08/25	MR	30 - 130 %
<u>TCLP Acid/Base-Neutral</u>							
1,4-Dichlorobenzene	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270
2,4,5-Trichlorophenol	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270
2,4,6-Trichlorophenol	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270
2,4-Dinitrotoluene	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270
2-Methylphenol (o-cresol)	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270
3&4-Methylphenol (m&p-Cresol)	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270
Hexachlorobenzene	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270
Hexachlorobutadiene	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270
Hexachloroethane	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270
Nitrobenzene	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270
Pentachlorophenol	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270
Pyridine	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	110		%	1	10/06/25	MR	15 - 110 %
% 2-Fluorobiphenyl	75		%	1	10/06/25	MR	30 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorophenol	62		%	1	10/06/25	MR	15 - 110 %
% Nitrobenzene-d5	89		%	1	10/06/25	MR	30 - 130 %
% Phenol-d5	64		%	1	10/06/25	MR	15 - 110 %
% Terphenyl-d14	83		%	1	10/06/25	MR	30 - 130 %
Semivolatile Library Search	Completed				10/08/25	MR	

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

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.

GRO diluted run

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

Volatile Comment:

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

Hexavalent Chromium:

This sample is in a reducing state.

Semi-Volatile Comment:

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

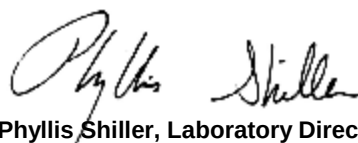
Pesticide Comment:

Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated RL was reported for the affected compounds.

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 09, 2025

Official Report Release To Follow



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



Analysis Report

October 09, 2025

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

Sample Information

Matrix: SOIL
Location Code: AES-EASTSIDE
Rush Request: 5 Day
P.O.#: 0897

Custody Information

Collected by:
Received by: SR1
Analyzed by: see "By" below

Date

09/30/25
10/01/25

Time

11:47
16:00

Laboratory Data

SDG ID: GCU39065
Phoenix ID: CU39068

Project ID: EAST SIDE COASTAL RESILIENCY
Client ID: WEST 2

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.39	0.39	mg/Kg	1	10/03/25	TH	SW6010D
Aluminum	6940	5.9	mg/Kg	1	10/03/25	TH	SW6010D
Arsenic	12.7	0.78	mg/Kg	1	10/03/25	TH	SW6010D
Barium	254	0.39	mg/Kg	1	10/03/25	TH	SW6010D
Beryllium	0.39	0.31	mg/Kg	1	10/03/25	TH	SW6010D
Calcium	21600	59	mg/Kg	10	10/03/25	TH	SW6010D
Cadmium	2.31	0.39	mg/Kg	1	10/03/25	TH	SW6010D
Cobalt	25.8	0.39	mg/Kg	1	10/03/25	TH	SW6010D
Chromium	21.8	0.39	mg/Kg	1	10/03/25	TH	SW6010D
Copper	153	0.8	mg/kg	1	10/03/25	TH	SW6010D
Iron	164000	59	mg/Kg	10	10/03/25	TH	SW6010D
Mercury	1.17	0.1	mg/Kg	1	10/02/25	ZT	SW7473
Potassium	842	59	mg/Kg	10	10/03/25	TH	SW6010D
Magnesium	3420	5.9	mg/Kg	1	10/03/25	TH	SW6010D
Manganese	347	0.39	mg/Kg	1	10/03/25	TH	SW6010D
Sodium	462	5.9	mg/Kg	1	10/03/25	TH	SW6010D
Nickel	28.9	0.39	mg/Kg	1	10/03/25	TH	SW6010D
Lead	1210	0.39	mg/Kg	1	10/03/25	TH	SW6010D
Antimony	9.8	3.9	mg/Kg	1	10/03/25	TH	SW6010D
Selenium	< 1.6	1.6	mg/Kg	1	10/03/25	TH	SW6010D
TCLP Silver	< 0.10	0.10	mg/L	1	10/02/25	CPP	SW846 1311/6010
TCLP Arsenic	< 0.10	0.10	mg/L	1	10/02/25	CPP	SW846 1311/6010
TCLP Barium	1.72	0.10	mg/L	1	10/02/25	CPP	SW846 1311/6010
TCLP Cadmium	< 0.050	0.050	mg/L	1	10/02/25	CPP	SW846 1311/6010
TCLP Chromium	< 0.10	0.10	mg/L	1	10/02/25	CPP	SW846 1311/6010
TCLP Mercury	< 0.0002	0.0002	mg/L	1	10/02/25	AJ1	SW846 1311/7470
TCLP Lead	8.99	0.10	mg/L	1	10/02/25	CPP	SW846 1311/6010
TCLP Selenium	< 0.10	0.10	mg/L	1	10/02/25	CPP	SW846 1311/6010D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Thallium	< 3.5	3.5	mg/Kg	1	10/03/25	TH	SW6010D
TCLP Metals Digestion	Completed				10/02/25	AK/GW	SW3010A
Vanadium	34.7	0.39	mg/Kg	1	10/03/25	TH	SW6010D
Zinc	373	0.8	mg/Kg	1	10/03/25	TH	SW6010D
Percent Solid	75		%		10/01/25	CV	SW846-%Solid
Corrosivity	Negative		Pos/Neg	1	10/02/25	KG	SW846-Corr
Flash Point	>200	200	Degree F	1	10/02/25	G	SW1010B
Chromium, Hex. (SW3060A digestion	< 0.51	0.51	mg/Kg	1	10/06/25	NP	SW7196A
Ignitability	Passed	140	degree F	1	10/02/25	G	SW846-Ignit
pH at 22C - Soil	8.50	1.00	pH Units	1	10/02/25 00:19	KG	SW846 9045D
Reactivity Cyanide	< 6	6	mg/Kg	1	10/03/25	NP/GD	SW846 7.3.3.1/90
Reactivity Sulfide	< 20	20	mg/Kg	1	10/03/25	NP/GD	SW846 CH7
Reactivity	Negative		Pos/Neg	1	10/03/25	NP/GD	SW846-React
Redox Potential	-196		mV	1	10/02/25	KG	SM2580B-09
Total Cyanide (SW9010C Distill.)	4.25	0.67	mg/Kg	1	10/06/25	EG	SW9012B
Extraction of NY ETPH	Completed				10/07/25	C/Q	SW3546
Soil Extraction for Herbicide	Completed				10/05/25	Y/D	SW3546
NJ EPH Extraction	Completed				10/07/25	C/U	NJDEP 10-08 R3
Soil Extraction for PCB	Completed				10/07/25	AJ/H/U/Q	SW3546
Soil Extraction for Pesticides	Completed				10/07/25	AJ/H/U/Q	SW3546
Soil Extraction for SVOA	Completed				10/07/25	H/Q	SW3546
TCLP Digestion Mercury	Completed				10/02/25	AK/GW	SW7470A
TCLP Herbicides Extraction	Completed				10/06/25	CV/D	SW8150 MOD
TCLP Extraction for Metals	Completed				10/01/25	AK	SW1311
TCLP Extraction for Organics	Completed				10/01/25	AK	SW1311
TCLP Pesticides Extraction	Completed				10/03/25	T/T	SW3510C
TCLP Semi-Volatile Extraction	Completed				10/06/25	J/J	SW3510C
TCLP Extraction Volatiles	Completed				10/01/25	CV	SW1311
Total Metals Digest	Completed				10/01/25	P/AG/BF	SW3050B

NJ EPH Category 1 (Fuel #2/Diesel)

>C28-C40	180	110	mg/kg	10	10/08/25	JRB	NJEPH 10-08 R3	1
C9-C28	6200	210	mg/kg	10	10/08/25	JRB	NJEPH 10-08 R3	1
Total EPH	6380	110	mg/kg	10	10/08/25	JRB	NJEPH 10-08 R3	1

QA/QC Surrogates

% COD (surr)	Diluted Out		%	10	10/08/25	JRB	40 - 140 %
% Terphenyl (surr)	Diluted Out		%	10	10/08/25	JRB	40 - 140 %

Gasoline Range Hydrocarbons (C6-C10)

GRO (C6-C10)	960	130	mg/Kg	500	10/03/25	V	SW8015D GRO
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QA/QC Surrogates

% 2,5-Dibromotoluene (FID)	99		%	500	10/03/25	V	70 - 130 %
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Chlorinated Herbicides

2,4,5-T	ND	220	ug/Kg	10	10/07/25	JRB	SW8151A
2,4,5-TP (Silvex)	ND	220	ug/Kg	10	10/07/25	JRB	SW8151A
2,4-D	ND	430	ug/Kg	10	10/07/25	JRB	SW8151A
2,4-DB	ND	2200	ug/Kg	10	10/07/25	JRB	SW8151A
Dalapon	ND	220	ug/Kg	10	10/07/25	JRB	SW8151A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Dicamba	ND	220	ug/Kg	10	10/07/25	JRB	SW8151A
Dichloroprop	ND	430	ug/Kg	10	10/07/25	JRB	SW8151A
Dinoseb	ND	430	ug/Kg	10	10/07/25	JRB	SW8151A
<u>QA/QC Surrogates</u>							
% DCAA	82		%	10	10/07/25	JRB	30 - 150 %
% DCAA (Confirmation)	76		%	10	10/07/25	JRB	30 - 150 %
<u>Polychlorinated Biphenyls</u>							
PCB-1016	ND	88	ug/Kg	2	10/08/25	SC	SW8082A
PCB-1221	ND	88	ug/Kg	2	10/08/25	SC	SW8082A
PCB-1232	ND	88	ug/Kg	2	10/08/25	SC	SW8082A
PCB-1242	ND	88	ug/Kg	2	10/08/25	SC	SW8082A
PCB-1248	ND	88	ug/Kg	2	10/08/25	SC	SW8082A
PCB-1254	ND	88	ug/Kg	2	10/08/25	SC	SW8082A
PCB-1260	ND	88	ug/Kg	2	10/08/25	SC	SW8082A
PCB-1262	ND	88	ug/Kg	2	10/08/25	SC	SW8082A
PCB-1268	ND	88	ug/Kg	2	10/08/25	SC	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	72		%	2	10/08/25	SC	30 - 150 %
% DCBP (Confirmation)	Interference		%	2	10/08/25	SC	30 - 150 %
% TCMX	58		%	2	10/08/25	SC	30 - 150 %
% TCMX (Confirmation)	64		%	2	10/08/25	SC	30 - 150 %
<u>Pesticides - Soil</u>							
4,4' -DDD	ND	13	ug/Kg	10	10/08/25	KCA	SW8081B
4,4' -DDE	ND	8.8	ug/Kg	10	10/08/25	KCA	SW8081B
4,4' -DDT	ND	8.8	ug/Kg	10	10/08/25	KCA	SW8081B
a-BHC	ND	8.8	ug/Kg	10	10/08/25	KCA	SW8081B
a-Chlordane	ND	22	ug/Kg	10	10/08/25	KCA	SW8081B
Aldrin	ND	8.8	ug/Kg	10	10/08/25	KCA	SW8081B
b-BHC	ND	8.8	ug/Kg	10	10/08/25	KCA	SW8081B
Chlordane	ND	220	ug/Kg	10	10/08/25	KCA	SW8081B
d-BHC	ND	8.8	ug/Kg	10	10/08/25	KCA	SW8081B
Dieldrin	ND	8.8	ug/Kg	10	10/08/25	KCA	SW8081B
Endosulfan I	ND	44	ug/Kg	10	10/08/25	KCA	SW8081B
Endosulfan II	ND	44	ug/Kg	10	10/08/25	KCA	SW8081B
Endosulfan sulfate	ND	110	ug/Kg	10	10/08/25	KCA	SW8081B
Endrin	ND	22	ug/Kg	10	10/08/25	KCA	SW8081B
Endrin aldehyde	ND	44	ug/Kg	10	10/08/25	KCA	SW8081B
Endrin ketone	ND	44	ug/Kg	10	10/08/25	KCA	SW8081B
g-BHC	ND	8.8	ug/Kg	10	10/08/25	KCA	SW8081B
g-Chlordane	ND	22	ug/Kg	10	10/08/25	KCA	SW8081B
Heptachlor	ND	22	ug/Kg	10	10/08/25	KCA	SW8081B
Heptachlor epoxide	ND	44	ug/Kg	10	10/08/25	KCA	SW8081B
Methoxychlor	ND	220	ug/Kg	10	10/08/25	KCA	SW8081B
Toxaphene	ND	880	ug/Kg	10	10/08/25	KCA	SW8081B
<u>QA/QC Surrogates</u>							
% DCBP	50		%	10	10/08/25	KCA	30 - 150 %
% DCBP (Confirmation)	60		%	10	10/08/25	KCA	30 - 150 %
% TCMX	84		%	10	10/08/25	KCA	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% TCMX (Confirmation)	73		%	10	10/08/25	KCA	30 - 150 %

TCLP Herbicides

2,4,5-TP (Silvex)	ND	50	ug/L	10	10/08/25	JRB	SW846 1311/8151
2,4-D	ND	100	ug/L	10	10/08/25	JRB	SW846 1311/8151

QA/QC Surrogates

% DCAA	65		%	10	10/08/25	JRB	30 - 150 %
% DCAA (Confirmation)	82		%	10	10/08/25	JRB	30 - 150 %

TCLP Pesticides

4,4' -DDD	ND	1.0	ug/L	10	10/07/25	AW	SW8081B
4,4' -DDE	ND	1.0	ug/L	10	10/07/25	AW	SW8081B
4,4' -DDT	ND	1.0	ug/L	10	10/07/25	AW	SW8081B
α-BHC	ND	0.50	ug/L	10	10/07/25	AW	SW8081B
Alachlor	ND	0.50	ug/L	10	10/07/25	AW	SW8081B
Aldrin	ND	0.50	ug/L	10	10/07/25	AW	SW8081B
β-BHC	ND	0.50	ug/L	10	10/07/25	AW	SW8081B
Chlordane	ND	5.0	ug/L	10	10/07/25	AW	SW8081B
d-BHC	ND	0.50	ug/L	10	10/07/25	AW	SW8081B
Dieldrin	ND	1.0	ug/L	10	10/07/25	AW	SW8081B
Endosulfan I	ND	0.50	ug/L	10	10/07/25	AW	SW8081B
Endosulfan II	ND	1.0	ug/L	10	10/07/25	AW	SW8081B
Endosulfan Sulfate	ND	1.0	ug/L	10	10/07/25	AW	SW8081B
Endrin	ND	1.0	ug/L	10	10/07/25	AW	SW8081B
Endrin Aldehyde	ND	1.0	ug/L	10	10/07/25	AW	SW8081B
γ-BHC (Lindane)	ND	0.50	ug/L	10	10/07/25	AW	SW8081B
Heptachlor	ND	0.50	ug/L	10	10/07/25	AW	SW8081B
Heptachlor epoxide	ND	0.50	ug/L	10	10/07/25	AW	SW8081B
Methoxychlor	ND	0.50	ug/L	10	10/07/25	AW	SW8081B
Toxaphene	ND	20	ug/L	10	10/07/25	AW	SW8081B

QA/QC Surrogates

%DCBP (Surrogate Rec)	52		%	10	10/07/25	AW	30 - 150 %
%DCBP (Surrogate Rec) (Confirmation)	52		%	10	10/07/25	AW	30 - 150 %
%TCMX (Surrogate Rec)	69		%	10	10/07/25	AW	30 - 150 %
%TCMX (Surrogate Rec) (Confirmation)	69		%	10	10/07/25	AW	30 - 150 %

TPH DRO (C10-C28)

Diesel Range Organics (C10-C28)	18000	690	mg/Kg	5	10/08/25	JRB	SW8015D DRO
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QA/QC Surrogates

% Terphenyl-d14	Interference		%	5	10/08/25	JRB	50 - 150 %
% Tricosane(C23)	Interference		%	5	10/08/25	JRB	50 - 150 %

Volatiles (TCL)

1,1,1-Trichloroethane	ND	6700	ug/kg	5000	10/03/25	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	67000	ug/kg	5000	10/03/25	JLI	SW8260D
1,1,2-Trichloroethane	ND	67000	ug/kg	5000	10/03/25	JLI	SW8260D
1,1-Dichloroethane	ND	13000	ug/kg	5000	10/03/25	JLI	SW8260D
1,1-Dichloroethene	ND	6700	ug/kg	5000	10/03/25	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	67000	ug/kg	5000	10/03/25	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	67000	ug/kg	5000	10/03/25	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,2,4-Trimethylbenzene	81000	67000	ug/kg	5000	10/03/25	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	67000	ug/kg	5000	10/03/25	JLI	SW8260D
1,2-Dibromoethane	ND	67000	ug/kg	5000	10/03/25	JLI	SW8260D
1,2-Dichlorobenzene	ND	6700	ug/kg	5000	10/03/25	JLI	SW8260D
1,2-Dichloroethane	ND	6700	ug/kg	5000	10/03/25	JLI	SW8260D
1,2-Dichloropropane	ND	67000	ug/kg	5000	10/03/25	JLI	SW8260D
1,3,5-Trimethylbenzene	27000	8400	ug/kg	5000	10/03/25	JLI	SW8260D
1,3-Dichlorobenzene	ND	6700	ug/kg	5000	10/03/25	JLI	SW8260D
1,4-Dichlorobenzene	ND	6700	ug/kg	5000	10/03/25	JLI	SW8260D
2-Hexanone	ND	330000	ug/kg	5000	10/03/25	JLI	SW8260D
4-Methyl-2-pentanone	ND	330000	ug/kg	5000	10/03/25	JLI	SW8260D
Acetone	ND	67000	ug/kg	5000	10/03/25	JLI	SW8260D
Benzene	ND	6700	ug/kg	5000	10/03/25	JLI	SW8260D
Bromochloromethane	ND	67000	ug/kg	5000	10/03/25	JLI	SW8260D
Bromodichloromethane	ND	67000	ug/kg	5000	10/03/25	JLI	SW8260D
Bromoform	ND	67000	ug/kg	5000	10/03/25	JLI	SW8260D
Bromomethane	ND	67000	ug/kg	5000	10/03/25	JLI	SW8260D
Carbon Disulfide	ND	67000	ug/kg	5000	10/03/25	JLI	SW8260D
Carbon tetrachloride	ND	13000	ug/kg	5000	10/03/25	JLI	SW8260D
Chlorobenzene	ND	6700	ug/kg	5000	10/03/25	JLI	SW8260D
Chloroethane	ND	67000	ug/kg	5000	10/03/25	JLI	SW8260D
Chloroform	ND	6700	ug/kg	5000	10/03/25	JLI	SW8260D
Chloromethane	ND	67000	ug/kg	5000	10/03/25	JLI	SW8260D
cis-1,2-Dichloroethene	ND	6700	ug/kg	5000	10/03/25	JLI	SW8260D
cis-1,3-Dichloropropene	ND	67000	ug/kg	5000	10/03/25	JLI	SW8260D
Cyclohexane	ND	67000	ug/kg	5000	10/03/25	JLI	SW8260D
Dibromochloromethane	ND	67000	ug/kg	5000	10/03/25	JLI	SW8260D
Dichlorodifluoromethane	ND	67000	ug/kg	5000	10/03/25	JLI	SW8260D
Ethylbenzene	100000	67000	ug/kg	5000	10/03/25	JLI	SW8260D
Isopropylbenzene	ND	67000	ug/kg	5000	10/03/25	JLI	SW8260D
m&p-Xylene	38000	33000	ug/kg	5000	10/03/25	JLI	SW8260D
Methyl ethyl ketone	ND	27000	ug/kg	5000	10/03/25	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	13000	ug/kg	5000	10/03/25	JLI	SW8260D
Methylacetate	ND	670000	ug/kg	5000	10/03/25	JLI	SW8260D
Methylcyclohexane	ND	67000	ug/kg	5000	10/03/25	JLI	SW8260D
Methylene chloride	ND	27000	ug/kg	5000	10/03/25	JLI	SW8260D
o-Xylene	ND	67000	ug/kg	5000	10/03/25	JLI	SW8260D
Styrene	ND	67000	ug/kg	5000	10/03/25	JLI	SW8260D
Tetrachloroethene	ND	13000	ug/kg	5000	10/03/25	JLI	SW8260D
Toluene	ND	6700	ug/kg	5000	10/03/25	JLI	SW8260D
Total Xylenes	38000	33000	ug/kg	5000	10/03/25	JLI	SW8260D
trans-1,2-Dichloroethene	ND	6700	ug/kg	5000	10/03/25	JLI	SW8260D
trans-1,3-Dichloropropene	ND	67000	ug/kg	5000	10/03/25	JLI	SW8260D
Trichloroethene	ND	6700	ug/kg	5000	10/03/25	JLI	SW8260D
Trichlorofluoromethane	ND	67000	ug/kg	5000	10/03/25	JLI	SW8260D
Trichlorotrifluoroethane	ND	67000	ug/kg	5000	10/03/25	JLI	SW8260D
Vinyl chloride	ND	6700	ug/kg	5000	10/03/25	JLI	SW8260D
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4 (5000x)	100		%	5000	10/03/25	JLI	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Bromofluorobenzene (5000x)	101		%	5000	10/03/25	JLI	70 - 130 %
% Dibromofluoromethane (5000x)	95		%	5000	10/03/25	JLI	70 - 130 %
% Toluene-d8 (5000x)	93		%	5000	10/03/25	JLI	70 - 130 %

1,4-dioxane

1,4-dioxane	ND	530000	ug/kg	5000	10/03/25	JLI	SW8260D
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Volatiles

1,2,3-Trichloropropane	ND	67000	ug/Kg	5000	10/03/25	JLI	SW8260D
1,2,4-Trimethylbenzene	81000	67000	ug/Kg	5000	10/03/25	JLI	SW8260D
1,3,5-Trimethylbenzene	27000	8400	ug/Kg	5000	10/03/25	JLI	SW8260D
1,3-Dichloropropane	ND	67000	ug/Kg	5000	10/03/25	JLI	SW8260D
n-Butylbenzene	ND	12000	ug/Kg	5000	10/03/25	JLI	SW8260D
n-Propylbenzene	ND	6700	ug/Kg	5000	10/03/25	JLI	SW8260D
p-Isopropyltoluene	ND	67000	ug/Kg	5000	10/03/25	JLI	SW8260D
sec-Butylbenzene	ND	11000	ug/Kg	5000	10/03/25	JLI	SW8260D
tert-Butylbenzene	ND	6700	ug/Kg	5000	10/03/25	JLI	SW8260D

QA/QC Surrogates

% 1,2-dichlorobenzene-d4 (5000x)	100		%	5000	10/03/25	JLI	70 - 130 %
% Bromofluorobenzene (5000x)	101		%	5000	10/03/25	JLI	70 - 130 %
% Dibromofluoromethane (5000x)	95		%	5000	10/03/25	JLI	70 - 130 %
% Toluene-d8 (5000x)	93		%	5000	10/03/25	JLI	70 - 130 %

TCLP Volatiles

1,1-Dichloroethene	ND	50	ug/L	10	10/04/25	V	SW846 1311/8260
1,2-Dichloroethane	ND	50	ug/L	10	10/04/25	V	SW846 1311/8260
1,4-Dichlorobenzene	ND	50	ug/L	10	10/04/25	V	SW846 1311/8260
Benzene	79	50	ug/L	10	10/04/25	V	SW846 1311/8260
Carbon tetrachloride	ND	50	ug/L	10	10/04/25	V	SW846 1311/8260
Chlorobenzene	ND	50	ug/L	10	10/04/25	V	SW846 1311/8260
Chloroform	ND	50	ug/L	10	10/04/25	V	SW846 1311/8260
Methyl ethyl ketone	ND	50	ug/L	10	10/04/25	V	SW846 1311/8260
Tetrachloroethene	ND	50	ug/L	10	10/04/25	V	SW846 1311/8260
Trichloroethene	ND	50	ug/L	10	10/04/25	V	SW846 1311/8260
Vinyl chloride	ND	50	ug/L	10	10/04/25	V	SW846 1311/8260

QA/QC Surrogates

% 1,2-dichlorobenzene-d4 (10x)	104		%	10	10/04/25	V	70 - 130 %
% Bromofluorobenzene (10x)	98		%	10	10/04/25	V	70 - 130 %
% Dibromofluoromethane (10x)	102		%	10	10/04/25	V	70 - 130 %
% Toluene-d8 (10x)	98		%	10	10/04/25	V	70 - 130 %

Volatile Library Search	Completed				10/03/25	JLI	
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Semivolatiles

1,1-Biphenyl	80000	4900	ug/Kg	10	10/08/25	MR	SW8270E
1,2,4,5-Tetrachlorobenzene	ND	4900	ug/Kg	10	10/08/25	MR	SW8270E
2,2'-Oxybis(1-Chloropropane)	ND	4900	ug/Kg	10	10/08/25	MR	SW8270E
2,3,4,6-tetrachlorophenol	ND	4900	ug/Kg	10	10/08/25	MR	SW8270E
2,4,5-Trichlorophenol	ND	4900	ug/Kg	10	10/08/25	MR	SW8270E
2,4,6-Trichlorophenol	ND	4900	ug/Kg	10	10/08/25	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2,4-Dichlorophenol	ND	4900	ug/Kg	10	10/08/25	MR	SW8270E
2,4-Dimethylphenol	ND	4900	ug/Kg	10	10/08/25	MR	SW8270E
2,4-Dinitrophenol	ND	11000	ug/Kg	10	10/08/25	MR	SW8270E
2,4-Dinitrotoluene	ND	4900	ug/Kg	10	10/08/25	MR	SW8270E
2,6-Dinitrotoluene	ND	4900	ug/Kg	10	10/08/25	MR	SW8270E
2-Chloronaphthalene	ND	4900	ug/Kg	10	10/08/25	MR	SW8270E
2-Chlorophenol	ND	4900	ug/Kg	10	10/08/25	MR	SW8270E
2-Methylnaphthalene	860000	49000	ug/Kg	100	10/08/25	MR	SW8270E
2-Methylphenol (o-cresol)	ND	1300	ug/Kg	10	10/08/25	MR	SW8270E
2-Nitroaniline	ND	11000	ug/Kg	10	10/08/25	MR	SW8270E
2-Nitrophenol	ND	4900	ug/Kg	10	10/08/25	MR	SW8270E
3&4-Methylphenol (m&p-cresol)	ND	1300	ug/Kg	10	10/08/25	MR	SW8270E
3,3'-Dichlorobenzidine	ND	8400	ug/Kg	10	10/08/25	MR	SW8270E
3-Nitroaniline	ND	11000	ug/Kg	10	10/08/25	MR	SW8270E
4,6-Dinitro-2-methylphenol	ND	20000	ug/Kg	10	10/08/25	MR	SW8270E
4-Bromophenyl phenyl ether	ND	7000	ug/Kg	10	10/08/25	MR	SW8270E
4-Chloro-3-methylphenol	ND	4900	ug/Kg	10	10/08/25	MR	SW8270E
4-Chloroaniline	ND	4900	ug/Kg	10	10/08/25	MR	SW8270E
4-Chlorophenyl phenyl ether	ND	4900	ug/Kg	10	10/08/25	MR	SW8270E
4-Nitroaniline	ND	11000	ug/Kg	10	10/08/25	MR	SW8270E
4-Nitrophenol	ND	20000	ug/Kg	10	10/08/25	MR	SW8270E
Acenaphthene	250000	49000	ug/Kg	100	10/08/25	MR	SW8270E
Acenaphthylene	51000	4900	ug/Kg	10	10/08/25	MR	SW8270E
Acetophenone	ND	4900	ug/Kg	10	10/08/25	MR	SW8270E
Anthracene	140000	4900	ug/Kg	10	10/08/25	MR	SW8270E
Atrazine	ND	4900	ug/Kg	10	10/08/25	MR	SW8270E
Benz(a)anthracene	99000	4900	ug/Kg	10	10/08/25	MR	SW8270E
Benzaldehyde	ND	4900	ug/Kg	10	10/08/25	MR	SW8270E
Benzo(a)pyrene	72000	4900	ug/Kg	10	10/08/25	MR	SW8270E
Benzo(b)fluoranthene	54000	4900	ug/Kg	10	10/08/25	MR	SW8270E
Benzo(ghi)perylene	26000	4900	ug/Kg	10	10/08/25	MR	SW8270E
Benzo(k)fluoranthene	21000	4900	ug/Kg	10	10/08/25	MR	SW8270E
Benzyl butyl phthalate	ND	4900	ug/Kg	10	10/08/25	MR	SW8270E
Bis(2-chloroethoxy)methane	ND	4900	ug/Kg	10	10/08/25	MR	SW8270E
Bis(2-chloroethyl)ether	ND	7000	ug/Kg	10	10/08/25	MR	SW8270E
Bis(2-ethylhexyl)phthalate	ND	4900	ug/Kg	10	10/08/25	MR	SW8270E
Caprolactam	ND	4900	ug/Kg	10	10/08/25	MR	SW8270E
Carbazole	ND	7000	ug/Kg	10	10/08/25	MR	SW8270E
Chrysene	97000	4900	ug/Kg	10	10/08/25	MR	SW8270E
Dibenz(a,h)anthracene	8700	3500	ug/Kg	10	10/08/25	MR	SW8270E
Dibenzofuran	28000	4900	ug/Kg	10	10/08/25	MR	SW8270E
Diethyl phthalate	ND	4900	ug/Kg	10	10/08/25	MR	SW8270E
Dimethylphthalate	ND	4900	ug/Kg	10	10/08/25	MR	SW8270E
Di-n-butylphthalate	ND	14000	ug/Kg	10	10/08/25	MR	SW8270E
Di-n-octylphthalate	ND	4900	ug/Kg	10	10/08/25	MR	SW8270E
Fluoranthene	180000	49000	ug/Kg	100	10/08/25	MR	SW8270E
Fluorene	290000	49000	ug/Kg	100	10/08/25	MR	SW8270E
Hexachlorobenzene	ND	700	ug/Kg	10	10/08/25	MR	SW8270E
Hexachlorobutadiene	ND	4900	ug/Kg	10	10/08/25	MR	SW8270E

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Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Hexachlorocyclopentadiene	ND	4900	ug/Kg	10	10/08/25	MR	SW8270E	
Hexachloroethane	ND	4900	ug/Kg	10	10/08/25	MR	SW8270E	
Indeno(1,2,3-cd)pyrene	24000	4900	ug/Kg	10	10/08/25	MR	SW8270E	
Isophorone	ND	4900	ug/Kg	10	10/08/25	MR	SW8270E	
Naphthalene	1300000	49000	ug/Kg	100	10/08/25	MR	SW8270E	
Nitrobenzene	ND	4900	ug/Kg	10	10/08/25	MR	SW8270E	
N-Nitrosodimethylamine	ND	7000	ug/Kg	10	10/08/25	MR	SW8270E	
N-Nitrosodi-n-propylamine	ND	3500	ug/Kg	10	10/08/25	MR	SW8270E	
N-Nitrosodiphenylamine	ND	7000	ug/Kg	10	10/08/25	MR	SW8270E	
Pentachlorophenol	ND	1300	ug/Kg	10	10/08/25	MR	SW8270E	
Phenanthrene	740000	49000	ug/Kg	100	10/08/25	MR	SW8270E	
Phenol	ND	700	ug/Kg	10	10/08/25	MR	SW8270E	
Pyrene	290000	49000	ug/Kg	100	10/08/25	MR	SW8270E	
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol (10x)	184		%	10	10/08/25	MR	30 - 130 %	3
% 2-Fluorobiphenyl (10x)	73		%	10	10/08/25	MR	30 - 130 %	
% 2-Fluorophenol (10x)	66		%	10	10/08/25	MR	30 - 130 %	
% Nitrobenzene-d5 (10x)	63		%	10	10/08/25	MR	30 - 130 %	
% Phenol-d5 (10x)	60		%	10	10/08/25	MR	30 - 130 %	
% Terphenyl-d14 (10x)	69		%	10	10/08/25	MR	30 - 130 %	
% 2,4,6-Tribromophenol (100x)	185		%	100	10/08/25	MR	30 - 130 %	3
% 2-Fluorobiphenyl (100x)	62		%	100	10/08/25	MR	30 - 130 %	
% 2-Fluorophenol (100x)	52		%	100	10/08/25	MR	30 - 130 %	
% Nitrobenzene-d5 (100x)	60		%	100	10/08/25	MR	30 - 130 %	
% Phenol-d5 (100x)	47		%	100	10/08/25	MR	30 - 130 %	
% Terphenyl-d14 (100x)	66		%	100	10/08/25	MR	30 - 130 %	
<u>TCLP Acid/Base-Neutral</u>								
1,4-Dichlorobenzene	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270	
2,4,5-Trichlorophenol	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270	
2,4,6-Trichlorophenol	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270	
2,4-Dinitrotoluene	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270	
2-Methylphenol (o-cresol)	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270	
3&4-Methylphenol (m&p-Cresol)	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270	
Hexachlorobenzene	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270	
Hexachlorobutadiene	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270	
Hexachloroethane	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270	
Nitrobenzene	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270	
Pentachlorophenol	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270	
Pyridine	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270	
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	110		%	1	10/06/25	MR	15 - 110 %	
% 2-Fluorobiphenyl	73		%	1	10/06/25	MR	30 - 130 %	
% 2-Fluorophenol	60		%	1	10/06/25	MR	15 - 110 %	
% Nitrobenzene-d5	87		%	1	10/06/25	MR	30 - 130 %	
% Phenol-d5	64		%	1	10/06/25	MR	15 - 110 %	
% Terphenyl-d14	81		%	1	10/06/25	MR	30 - 130 %	
Semivolatile Library Search	Completed				10/08/25	MR		

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

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.

Volatile Comment:

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

Volatile Comment:

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

GRO diluted run

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

GRO Analysis Comment:

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

Hexavalent Chromium:

This sample is in a reducing state.

Semi-Volatile Comment:

Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL for the semivolatile analysis.

Semi-Volatile Comment:

One of the surrogate recoveries was above the upper range due to sample matrix interference. The other surrogates associated with this sample were within QA/QC criteria. No significant bias is suspected.

Semi-Volatile Comment:

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

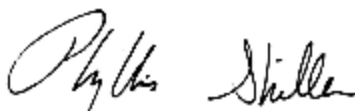
Pesticide Comment:

Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, surrogate recoveries could not be reported.

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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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 09, 2025

Official Report Release To Follow



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



Analysis Report

October 09, 2025

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

Sample Information

Matrix: SOIL
Location Code: AES-EASTSIDE
Rush Request: 5 Day
P.O.#: 0897

Custody Information

Collected by:
Received by: SR1
Analyzed by: see "By" below

Date Time
09/30/25 11:10
10/01/25 16:00

Laboratory Data

SDG ID: GCU39065
Phoenix ID: CU39069

Project ID: EAST SIDE COASTAL RESILIENCY
Client ID: NYCHA 1

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.38	0.38	mg/Kg	1	10/03/25	TH	SW6010D
Aluminum	14800	56	mg/Kg	10	10/03/25	TH	SW6010D
Arsenic	1.82	0.75	mg/Kg	1	10/03/25	TH	SW6010D
Barium	131	0.38	mg/Kg	1	10/03/25	TH	SW6010D
Beryllium	0.32	0.30	mg/Kg	1	10/03/25	TH	SW6010D
Calcium	18600	56	mg/Kg	10	10/03/25	TH	SW6010D
Cadmium	0.40	0.38	mg/Kg	1	10/03/25	TH	SW6010D
Cobalt	14.2	0.38	mg/Kg	1	10/03/25	TH	SW6010D
Chromium	22.5	0.38	mg/Kg	1	10/03/25	TH	SW6010D
Copper	58.2	0.8	mg/kg	1	10/03/25	TH	SW6010D
Iron	26000	5.6	mg/Kg	1	10/03/25	TH	SW6010D
Mercury	< 0.079	0.079	mg/Kg	1	10/02/25	ZT	SW7473
Potassium	5120	56	mg/Kg	10	10/03/25	TH	SW6010D
Magnesium	9800	5.6	mg/Kg	1	10/03/25	TH	SW6010D
Manganese	331	0.38	mg/Kg	1	10/03/25	TH	SW6010D
Sodium	731	5.6	mg/Kg	1	10/03/25	TH	SW6010D
Nickel	20.7	0.38	mg/Kg	1	10/03/25	TH	SW6010D
Lead	28.2	0.38	mg/Kg	1	10/03/25	TH	SW6010D
Antimony	< 3.8	3.8	mg/Kg	1	10/03/25	TH	SW6010D
Selenium	< 1.5	1.5	mg/Kg	1	10/03/25	TH	SW6010D
TCLP Silver	< 0.10	0.10	mg/L	1	10/02/25	CPP	SW846 1311/6010
TCLP Arsenic	< 0.10	0.10	mg/L	1	10/02/25	CPP	SW846 1311/6010
TCLP Barium	0.46	0.10	mg/L	1	10/02/25	CPP	SW846 1311/6010
TCLP Cadmium	< 0.050	0.050	mg/L	1	10/02/25	CPP	SW846 1311/6010
TCLP Chromium	< 0.10	0.10	mg/L	1	10/02/25	CPP	SW846 1311/6010
TCLP Mercury	< 0.0002	0.0002	mg/L	1	10/02/25	AJ1	SW846 1311/7470
TCLP Lead	< 0.10	0.10	mg/L	1	10/02/25	CPP	SW846 1311/6010
TCLP Selenium	< 0.10	0.10	mg/L	1	10/02/25	CPP	SW846 1311/6010D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Thallium	< 3.4	3.4	mg/Kg	1	10/03/25	TH	SW6010D
TCLP Metals Digestion	Completed				10/02/25	AK/GW	SW3010A
Vanadium	47.9	0.38	mg/Kg	1	10/03/25	TH	SW6010D
Zinc	70.6	0.8	mg/Kg	1	10/03/25	TH	SW6010D
Percent Solid	95		%		10/01/25	CV	SW846-%Solid
Corrosivity	Negative		Pos/Neg	1	10/02/25	KG	SW846-Corr
Flash Point	>200	200	Degree F	1	10/02/25	G	SW1010B
Chromium, Hex. (SW3060A digestion	< 0.40	0.40	mg/Kg	1	10/06/25	NP	SW7196A
Ignitability	Passed	140	degree F	1	10/02/25	G	SW846-Ignit
pH at 22C - Soil	8.07	1.00	pH Units	1	10/02/25 00:19	KG	SW846 9045D
Reactivity Cyanide	< 5	5	mg/Kg	1	10/03/25	NP/GD	SW846 7.3.3.1/90
Reactivity Sulfide	< 20	20	mg/Kg	1	10/03/25	NP/GD	SW846 CH7
Reactivity	Negative		Pos/Neg	1	10/03/25	NP/GD	SW846-React
Redox Potential	171		mV	1	10/02/25	KG	SM2580B-09
Total Cyanide (SW9010C Distill.)	< 0.53	0.53	mg/Kg	1	10/07/25	EG	SW9012B
Extraction of NY ETPH	Completed				10/07/25	C/Q	SW3546
Soil Extraction for Herbicide	Completed				10/05/25	Y/D	SW3546
NJ EPH Extraction	Completed				10/07/25	C/U	NJDEP 10-08 R3
Soil Extraction for PCB	Completed				10/07/25	AJ/H/U/Q	SW3546
Soil Extraction for Pesticides	Completed				10/07/25	AJ/H/U/Q	SW3546
Soil Extraction for SVOA	Completed				10/07/25	H/Q	SW3546
TCLP Digestion Mercury	Completed				10/02/25	AK/GW	SW7470A
TCLP Herbicides Extraction	Completed				10/06/25	CV/D	SW8150 MOD
TCLP Extraction for Metals	Completed				10/01/25	AK	SW1311
TCLP Extraction for Organics	Completed				10/01/25	AK	SW1311
TCLP Pesticides Extraction	Completed				10/03/25	T/T	SW3510C
TCLP Semi-Volatile Extraction	Completed				10/06/25	J/J	SW3510C
TCLP Extraction Volatiles	Completed				10/01/25	CV	SW1311
Total Metals Digest	Completed				10/01/25	P/AG/BF	SW3050B

NJ EPH Category 1 (Fuel #2/Diesel)

>C28-C40	ND	8.2	mg/kg	1	10/08/25	JRB	NJEPH 10-08 R3	1
C9-C28	ND	16	mg/kg	1	10/08/25	JRB	NJEPH 10-08 R3	1
Total EPH	ND	8.2	mg/kg	1	10/08/25	JRB	NJEPH 10-08 R3	1

QA/QC Surrogates

% COD (surr)	75		%	1	10/08/25	JRB	40 - 140 %
% Terphenyl (surr)	108		%	1	10/08/25	JRB	40 - 140 %

Gasoline Range Hydrocarbons (C6-C10)

GRO (C6-C10)	ND	5.9	mg/Kg	50	10/02/25	V	SW8015D GRO
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QA/QC Surrogates

% 2,5-Dibromotoluene (FID)	94		%	50	10/02/25	V	70 - 130 %
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Chlorinated Herbicides

2,4,5-T	ND	130	ug/Kg	10	10/07/25	JRB	SW8151A
2,4,5-TP (Silvex)	ND	130	ug/Kg	10	10/07/25	JRB	SW8151A
2,4-D	ND	260	ug/Kg	10	10/07/25	JRB	SW8151A
2,4-DB	ND	1300	ug/Kg	10	10/07/25	JRB	SW8151A
Dalapon	ND	130	ug/Kg	10	10/07/25	JRB	SW8151A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Dicamba	ND	130	ug/Kg	10	10/07/25	JRB	SW8151A
Dichloroprop	ND	260	ug/Kg	10	10/07/25	JRB	SW8151A
Dinoseb	ND	260	ug/Kg	10	10/07/25	JRB	SW8151A
<u>QA/QC Surrogates</u>							
% DCAA	86		%	10	10/07/25	JRB	30 - 150 %
% DCAA (Confirmation)	75		%	10	10/07/25	JRB	30 - 150 %
<u>Polychlorinated Biphenyls</u>							
PCB-1016	ND	70	ug/Kg	2	10/08/25	SC	SW8082A
PCB-1221	ND	70	ug/Kg	2	10/08/25	SC	SW8082A
PCB-1232	ND	70	ug/Kg	2	10/08/25	SC	SW8082A
PCB-1242	ND	70	ug/Kg	2	10/08/25	SC	SW8082A
PCB-1248	ND	70	ug/Kg	2	10/08/25	SC	SW8082A
PCB-1254	ND	70	ug/Kg	2	10/08/25	SC	SW8082A
PCB-1260	ND	70	ug/Kg	2	10/08/25	SC	SW8082A
PCB-1262	ND	70	ug/Kg	2	10/08/25	SC	SW8082A
PCB-1268	ND	70	ug/Kg	2	10/08/25	SC	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	62		%	2	10/08/25	SC	30 - 150 %
% DCBP (Confirmation)	76		%	2	10/08/25	SC	30 - 150 %
% TCMX	68		%	2	10/08/25	SC	30 - 150 %
% TCMX (Confirmation)	73		%	2	10/08/25	SC	30 - 150 %
<u>Pesticides - Soil</u>							
4,4' -DDD	ND	2.1	ug/Kg	2	10/08/25	AW	SW8081B
4,4' -DDE	ND	2.1	ug/Kg	2	10/08/25	AW	SW8081B
4,4' -DDT	ND	3.0	ug/Kg	2	10/08/25	AW	SW8081B
a-BHC	ND	7.0	ug/Kg	2	10/08/25	AW	SW8081B
a-Chlordane	ND	3.5	ug/Kg	2	10/08/25	AW	SW8081B
Aldrin	ND	3.5	ug/Kg	2	10/08/25	AW	SW8081B
b-BHC	ND	7.0	ug/Kg	2	10/08/25	AW	SW8081B
Chlordane	ND	35	ug/Kg	2	10/08/25	AW	SW8081B
d-BHC	ND	7.0	ug/Kg	2	10/08/25	AW	SW8081B
Dieldrin	ND	3.5	ug/Kg	2	10/08/25	AW	SW8081B
Endosulfan I	ND	7.0	ug/Kg	2	10/08/25	AW	SW8081B
Endosulfan II	ND	7.0	ug/Kg	2	10/08/25	AW	SW8081B
Endosulfan sulfate	ND	7.0	ug/Kg	2	10/08/25	AW	SW8081B
Endrin	ND	7.0	ug/Kg	2	10/08/25	AW	SW8081B
Endrin aldehyde	ND	7.0	ug/Kg	2	10/08/25	AW	SW8081B
Endrin ketone	ND	7.0	ug/Kg	2	10/08/25	AW	SW8081B
g-BHC	ND	1.4	ug/Kg	2	10/08/25	AW	SW8081B
g-Chlordane	ND	3.5	ug/Kg	2	10/08/25	AW	SW8081B
Heptachlor	ND	7.0	ug/Kg	2	10/08/25	AW	SW8081B
Heptachlor epoxide	ND	7.0	ug/Kg	2	10/08/25	AW	SW8081B
Methoxychlor	ND	35	ug/Kg	2	10/08/25	AW	SW8081B
Toxaphene	ND	140	ug/Kg	2	10/08/25	AW	SW8081B
<u>QA/QC Surrogates</u>							
% DCBP	47		%	2	10/08/25	AW	30 - 150 %
% DCBP (Confirmation)	48		%	2	10/08/25	AW	30 - 150 %
% TCMX	47		%	2	10/08/25	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% TCMX (Confirmation)	47		%	2	10/08/25	AW	30 - 150 %

TCLP Herbicides

2,4,5-TP (Silvex)	ND	50	ug/L	10	10/08/25	JRB	SW846 1311/8151
2,4-D	ND	100	ug/L	10	10/08/25	JRB	SW846 1311/8151

QA/QC Surrogates

% DCAA	65		%	10	10/08/25	JRB	30 - 150 %
% DCAA (Confirmation)	79		%	10	10/08/25	JRB	30 - 150 %

TCLP Pesticides

4,4' -DDD	ND	1.0	ug/L	10	10/07/25	AW	SW8081B
4,4' -DDE	ND	1.0	ug/L	10	10/07/25	AW	SW8081B
4,4' -DDT	ND	1.0	ug/L	10	10/07/25	AW	SW8081B
α-BHC	ND	0.50	ug/L	10	10/07/25	AW	SW8081B
Alachlor	ND	0.50	ug/L	10	10/07/25	AW	SW8081B
Aldrin	ND	0.50	ug/L	10	10/07/25	AW	SW8081B
β-BHC	ND	0.50	ug/L	10	10/07/25	AW	SW8081B
Chlordane	ND	5.0	ug/L	10	10/07/25	AW	SW8081B
d-BHC	ND	0.50	ug/L	10	10/07/25	AW	SW8081B
Dieldrin	ND	1.0	ug/L	10	10/07/25	AW	SW8081B
Endosulfan I	ND	0.50	ug/L	10	10/07/25	AW	SW8081B
Endosulfan II	ND	1.0	ug/L	10	10/07/25	AW	SW8081B
Endosulfan Sulfate	ND	1.0	ug/L	10	10/07/25	AW	SW8081B
Endrin	ND	1.0	ug/L	10	10/07/25	AW	SW8081B
Endrin Aldehyde	ND	1.0	ug/L	10	10/07/25	AW	SW8081B
γ-BHC (Lindane)	ND	0.50	ug/L	10	10/07/25	AW	SW8081B
Heptachlor	ND	0.50	ug/L	10	10/07/25	AW	SW8081B
Heptachlor epoxide	ND	0.50	ug/L	10	10/07/25	AW	SW8081B
Methoxychlor	ND	0.50	ug/L	10	10/07/25	AW	SW8081B
Toxaphene	ND	20	ug/L	10	10/07/25	AW	SW8081B

QA/QC Surrogates

%DCBP (Surrogate Rec)	77		%	10	10/07/25	AW	30 - 150 %
%DCBP (Surrogate Rec) (Confirmation)	78		%	10	10/07/25	AW	30 - 150 %
%TCMX (Surrogate Rec)	70		%	10	10/07/25	AW	30 - 150 %
%TCMX (Surrogate Rec) (Confirmation)	74		%	10	10/07/25	AW	30 - 150 %

TPH DRO (C10-C28)

Diesel Range Organics (C10-C28)	ND	51	mg/Kg	1	10/08/25	JRB	SW8015D DRO
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QA/QC Surrogates

% Terphenyl-d14	55		%	1	10/08/25	JRB	50 - 150 %
% Tricosane(C23)	74		%	1	10/08/25	JRB	50 - 150 %

Volatiles (TCL)

1,1,1-Trichloroethane	ND	6.2	ug/kg	1	10/04/25	HM	SW8260D
1,1,2,2-Tetrachloroethane	ND	6.2	ug/kg	1	10/04/25	HM	SW8260D
1,1,2-Trichloroethane	ND	6.2	ug/kg	1	10/04/25	HM	SW8260D
1,1-Dichloroethane	ND	6.2	ug/kg	1	10/04/25	HM	SW8260D
1,1-Dichloroethene	ND	6.2	ug/kg	1	10/04/25	HM	SW8260D
1,2,3-Trichlorobenzene	ND	6.2	ug/kg	1	10/04/25	HM	SW8260D
1,2,4-Trichlorobenzene	ND	6.2	ug/kg	1	10/04/25	HM	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,2,4-Trimethylbenzene	ND	6.2	ug/kg	1	10/04/25	HM	SW8260D
1,2-Dibromo-3-chloropropane	ND	6.2	ug/kg	1	10/04/25	HM	SW8260D
1,2-Dibromoethane	ND	6.2	ug/kg	1	10/04/25	HM	SW8260D
1,2-Dichlorobenzene	ND	6.2	ug/kg	1	10/04/25	HM	SW8260D
1,2-Dichloroethane	ND	6.2	ug/kg	1	10/04/25	HM	SW8260D
1,2-Dichloropropane	ND	6.2	ug/kg	1	10/04/25	HM	SW8260D
1,3,5-Trimethylbenzene	ND	6.2	ug/kg	1	10/04/25	HM	SW8260D
1,3-Dichlorobenzene	ND	6.2	ug/kg	1	10/04/25	HM	SW8260D
1,4-Dichlorobenzene	ND	6.2	ug/kg	1	10/04/25	HM	SW8260D
2-Hexanone	ND	31	ug/kg	1	10/04/25	HM	SW8260D
4-Methyl-2-pentanone	ND	31	ug/kg	1	10/04/25	HM	SW8260D
Acetone	ND	50	ug/kg	1	10/04/25	HM	SW8260D
Benzene	ND	6.2	ug/kg	1	10/04/25	HM	SW8260D
Bromochloromethane	ND	6.2	ug/kg	1	10/04/25	HM	SW8260D
Bromodichloromethane	ND	6.2	ug/kg	1	10/04/25	HM	SW8260D
Bromoform	ND	6.2	ug/kg	1	10/04/25	HM	SW8260D
Bromomethane	ND	6.2	ug/kg	1	10/04/25	HM	SW8260D
Carbon Disulfide	ND	6.2	ug/kg	1	10/04/25	HM	SW8260D
Carbon tetrachloride	ND	6.2	ug/kg	1	10/04/25	HM	SW8260D
Chlorobenzene	ND	6.2	ug/kg	1	10/04/25	HM	SW8260D
Chloroethane	ND	6.2	ug/kg	1	10/04/25	HM	SW8260D
Chloroform	ND	6.2	ug/kg	1	10/04/25	HM	SW8260D
Chloromethane	ND	6.2	ug/kg	1	10/04/25	HM	SW8260D
cis-1,2-Dichloroethene	ND	6.2	ug/kg	1	10/04/25	HM	SW8260D
cis-1,3-Dichloropropene	ND	6.2	ug/kg	1	10/04/25	HM	SW8260D
Cyclohexane	ND	6.2	ug/kg	1	10/04/25	HM	SW8260D
Dibromochloromethane	ND	6.2	ug/kg	1	10/04/25	HM	SW8260D
Dichlorodifluoromethane	ND	6.2	ug/kg	1	10/04/25	HM	SW8260D
Ethylbenzene	ND	6.2	ug/kg	1	10/04/25	HM	SW8260D
Isopropylbenzene	ND	6.2	ug/kg	1	10/04/25	HM	SW8260D
m&p-Xylene	ND	6.2	ug/kg	1	10/04/25	HM	SW8260D
Methyl ethyl ketone	ND	37	ug/kg	1	10/04/25	HM	SW8260D
Methyl t-butyl ether (MTBE)	ND	12	ug/kg	1	10/04/25	HM	SW8260D
Methylacetate	ND	62	ug/kg	1	10/04/25	HM	SW8260D
Methylcyclohexane	ND	6.2	ug/kg	1	10/04/25	HM	SW8260D
Methylene chloride	ND	31	ug/kg	1	10/04/25	HM	SW8260D
o-Xylene	ND	6.2	ug/kg	1	10/04/25	HM	SW8260D
Styrene	ND	6.2	ug/kg	1	10/04/25	HM	SW8260D
Tetrachloroethene	ND	6.2	ug/kg	1	10/04/25	HM	SW8260D
Toluene	ND	6.2	ug/kg	1	10/04/25	HM	SW8260D
Total Xylenes	ND	6.2	ug/kg	1	10/04/25	HM	SW8260D
trans-1,2-Dichloroethene	ND	6.2	ug/kg	1	10/04/25	HM	SW8260D
trans-1,3-Dichloropropene	ND	6.2	ug/kg	1	10/04/25	HM	SW8260D
Trichloroethene	ND	6.2	ug/kg	1	10/04/25	HM	SW8260D
Trichlorofluoromethane	ND	6.2	ug/kg	1	10/04/25	HM	SW8260D
Trichlorotrifluoroethane	ND	6.2	ug/kg	1	10/04/25	HM	SW8260D
Vinyl chloride	ND	6.2	ug/kg	1	10/04/25	HM	SW8260D
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	95		%	1	10/04/25	HM	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Bromofluorobenzene	94		%	1	10/04/25	HM	70 - 130 %
% Dibromofluoromethane	100		%	1	10/04/25	HM	70 - 130 %
% Toluene-d8	91		%	1	10/04/25	HM	70 - 130 %

1,4-dioxane

1,4-dioxane	ND	93	ug/kg	1	10/04/25	HM	SW8260D
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Volatiles

1,2,3-Trichloropropane	ND	6.2	ug/Kg	1	10/04/25	HM	SW8260D
1,2,4-Trimethylbenzene	ND	6.2	ug/Kg	1	10/04/25	HM	SW8260D
1,3,5-Trimethylbenzene	ND	6.2	ug/Kg	1	10/04/25	HM	SW8260D
1,3-Dichloropropane	ND	6.2	ug/Kg	1	10/04/25	HM	SW8260D
n-Butylbenzene	ND	6.2	ug/Kg	1	10/04/25	HM	SW8260D
n-Propylbenzene	ND	6.2	ug/Kg	1	10/04/25	HM	SW8260D
p-Isopropyltoluene	ND	6.2	ug/Kg	1	10/04/25	HM	SW8260D
sec-Butylbenzene	ND	6.2	ug/Kg	1	10/04/25	HM	SW8260D
tert-Butylbenzene	ND	6.2	ug/Kg	1	10/04/25	HM	SW8260D

QA/QC Surrogates

% 1,2-dichlorobenzene-d4	95		%	1	10/04/25	HM	70 - 130 %
% Bromofluorobenzene	94		%	1	10/04/25	HM	70 - 130 %
% Dibromofluoromethane	100		%	1	10/04/25	HM	70 - 130 %
% Toluene-d8	91		%	1	10/04/25	HM	70 - 130 %

TCLP Volatiles

1,1-Dichloroethene	ND	50	ug/L	10	10/04/25	V	SW846 1311/8260
1,2-Dichloroethane	ND	50	ug/L	10	10/04/25	V	SW846 1311/8260
1,4-Dichlorobenzene	ND	50	ug/L	10	10/04/25	V	SW846 1311/8260
Benzene	ND	50	ug/L	10	10/04/25	V	SW846 1311/8260
Carbon tetrachloride	ND	50	ug/L	10	10/04/25	V	SW846 1311/8260
Chlorobenzene	ND	50	ug/L	10	10/04/25	V	SW846 1311/8260
Chloroform	ND	50	ug/L	10	10/04/25	V	SW846 1311/8260
Methyl ethyl ketone	ND	50	ug/L	10	10/04/25	V	SW846 1311/8260
Tetrachloroethene	ND	50	ug/L	10	10/04/25	V	SW846 1311/8260
Trichloroethene	ND	50	ug/L	10	10/04/25	V	SW846 1311/8260
Vinyl chloride	ND	50	ug/L	10	10/04/25	V	SW846 1311/8260

QA/QC Surrogates

% 1,2-dichlorobenzene-d4 (10x)	101		%	10	10/04/25	V	70 - 130 %
% Bromofluorobenzene (10x)	96		%	10	10/04/25	V	70 - 130 %
% Dibromofluoromethane (10x)	103		%	10	10/04/25	V	70 - 130 %
% Toluene-d8 (10x)	99		%	10	10/04/25	V	70 - 130 %

Volatile Library Search	Completed				10/06/25	HM	
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Semivolatiles

1,1-Biphenyl	ND	240	ug/Kg	1	10/08/25	MR	SW8270E
1,2,4,5-Tetrachlorobenzene	ND	240	ug/Kg	1	10/08/25	MR	SW8270E
2,2'-Oxybis(1-Chloropropane)	ND	240	ug/Kg	1	10/08/25	MR	SW8270E
2,3,4,6-tetrachlorophenol	ND	240	ug/Kg	1	10/08/25	MR	SW8270E
2,4,5-Trichlorophenol	ND	240	ug/Kg	1	10/08/25	MR	SW8270E
2,4,6-Trichlorophenol	ND	240	ug/Kg	1	10/08/25	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2,4-Dichlorophenol	ND	240	ug/Kg	1	10/08/25	MR	SW8270E
2,4-Dimethylphenol	ND	240	ug/Kg	1	10/08/25	MR	SW8270E
2,4-Dinitrophenol	ND	550	ug/Kg	1	10/08/25	MR	SW8270E
2,4-Dinitrotoluene	ND	240	ug/Kg	1	10/08/25	MR	SW8270E
2,6-Dinitrotoluene	ND	240	ug/Kg	1	10/08/25	MR	SW8270E
2-Chloronaphthalene	ND	240	ug/Kg	1	10/08/25	MR	SW8270E
2-Chlorophenol	ND	240	ug/Kg	1	10/08/25	MR	SW8270E
2-Methylnaphthalene	ND	240	ug/Kg	1	10/08/25	MR	SW8270E
2-Methylphenol (o-cresol)	ND	240	ug/Kg	1	10/08/25	MR	SW8270E
2-Nitroaniline	ND	550	ug/Kg	1	10/08/25	MR	SW8270E
2-Nitrophenol	ND	240	ug/Kg	1	10/08/25	MR	SW8270E
3&4-Methylphenol (m&p-cresol)	ND	330	ug/Kg	1	10/08/25	MR	SW8270E
3,3'-Dichlorobenzidine	ND	410	ug/Kg	1	10/08/25	MR	SW8270E
3-Nitroaniline	ND	550	ug/Kg	1	10/08/25	MR	SW8270E
4,6-Dinitro-2-methylphenol	ND	1000	ug/Kg	1	10/08/25	MR	SW8270E
4-Bromophenyl phenyl ether	ND	350	ug/Kg	1	10/08/25	MR	SW8270E
4-Chloro-3-methylphenol	ND	240	ug/Kg	1	10/08/25	MR	SW8270E
4-Chloroaniline	ND	240	ug/Kg	1	10/08/25	MR	SW8270E
4-Chlorophenyl phenyl ether	ND	240	ug/Kg	1	10/08/25	MR	SW8270E
4-Nitroaniline	ND	550	ug/Kg	1	10/08/25	MR	SW8270E
4-Nitrophenol	ND	1000	ug/Kg	1	10/08/25	MR	SW8270E
Acenaphthene	ND	240	ug/Kg	1	10/08/25	MR	SW8270E
Acenaphthylene	ND	240	ug/Kg	1	10/08/25	MR	SW8270E
Acetophenone	ND	240	ug/Kg	1	10/08/25	MR	SW8270E
Anthracene	ND	240	ug/Kg	1	10/08/25	MR	SW8270E
Atrazine	ND	240	ug/Kg	1	10/08/25	MR	SW8270E
Benz(a)anthracene	ND	240	ug/Kg	1	10/08/25	MR	SW8270E
Benzaldehyde	ND	240	ug/Kg	1	10/08/25	MR	SW8270E
Benzo(a)pyrene	250	240	ug/Kg	1	10/08/25	MR	SW8270E
Benzo(b)fluoranthene	310	240	ug/Kg	1	10/08/25	MR	SW8270E
Benzo(ghi)perylene	ND	240	ug/Kg	1	10/08/25	MR	SW8270E
Benzo(k)fluoranthene	ND	240	ug/Kg	1	10/08/25	MR	SW8270E
Benzyl butyl phthalate	ND	240	ug/Kg	1	10/08/25	MR	SW8270E
Bis(2-chloroethoxy)methane	ND	240	ug/Kg	1	10/08/25	MR	SW8270E
Bis(2-chloroethyl)ether	ND	350	ug/Kg	1	10/08/25	MR	SW8270E
Bis(2-ethylhexyl)phthalate	ND	240	ug/Kg	1	10/08/25	MR	SW8270E
Caprolactam	ND	240	ug/Kg	1	10/08/25	MR	SW8270E
Carbazole	ND	350	ug/Kg	1	10/08/25	MR	SW8270E
Chrysene	ND	240	ug/Kg	1	10/08/25	MR	SW8270E
Dibenz(a,h)anthracene	ND	170	ug/Kg	1	10/08/25	MR	SW8270E
Dibenzofuran	ND	240	ug/Kg	1	10/08/25	MR	SW8270E
Diethyl phthalate	ND	240	ug/Kg	1	10/08/25	MR	SW8270E
Dimethylphthalate	ND	240	ug/Kg	1	10/08/25	MR	SW8270E
Di-n-butylphthalate	ND	690	ug/Kg	1	10/08/25	MR	SW8270E
Di-n-octylphthalate	ND	240	ug/Kg	1	10/08/25	MR	SW8270E
Fluoranthene	520	240	ug/Kg	1	10/08/25	MR	SW8270E
Fluorene	ND	240	ug/Kg	1	10/08/25	MR	SW8270E
Hexachlorobenzene	ND	240	ug/Kg	1	10/08/25	MR	SW8270E
Hexachlorobutadiene	ND	240	ug/Kg	1	10/08/25	MR	SW8270E

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Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Hexachlorocyclopentadiene	ND	240	ug/Kg	1	10/08/25	MR	SW8270E
Hexachloroethane	ND	240	ug/Kg	1	10/08/25	MR	SW8270E
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	1	10/08/25	MR	SW8270E
Isophorone	ND	240	ug/Kg	1	10/08/25	MR	SW8270E
Naphthalene	ND	240	ug/Kg	1	10/08/25	MR	SW8270E
Nitrobenzene	ND	240	ug/Kg	1	10/08/25	MR	SW8270E
N-Nitrosodimethylamine	ND	350	ug/Kg	1	10/08/25	MR	SW8270E
N-Nitrosodi-n-propylamine	ND	170	ug/Kg	1	10/08/25	MR	SW8270E
N-Nitrosodiphenylamine	ND	350	ug/Kg	1	10/08/25	MR	SW8270E
Pentachlorophenol	ND	350	ug/Kg	1	10/08/25	MR	SW8270E
Phenanthrene	300	240	ug/Kg	1	10/08/25	MR	SW8270E
Phenol	ND	240	ug/Kg	1	10/08/25	MR	SW8270E
Pyrene	490	240	ug/Kg	1	10/08/25	MR	SW8270E
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	83		%	1	10/08/25	MR	30 - 130 %
% 2-Fluorobiphenyl	61		%	1	10/08/25	MR	30 - 130 %
% 2-Fluorophenol	65		%	1	10/08/25	MR	30 - 130 %
% Nitrobenzene-d5	68		%	1	10/08/25	MR	30 - 130 %
% Phenol-d5	62		%	1	10/08/25	MR	30 - 130 %
% Terphenyl-d14	83		%	1	10/08/25	MR	30 - 130 %
<u>TCLP Acid/Base-Neutral</u>							
1,4-Dichlorobenzene	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270
2,4,5-Trichlorophenol	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270
2,4,6-Trichlorophenol	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270
2,4-Dinitrotoluene	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270
2-Methylphenol (o-cresol)	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270
3&4-Methylphenol (m&p-Cresol)	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270
Hexachlorobenzene	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270
Hexachlorobutadiene	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270
Hexachloroethane	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270
Nitrobenzene	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270
Pentachlorophenol	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270
Pyridine	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	101		%	1	10/06/25	MR	15 - 110 %
% 2-Fluorobiphenyl	74		%	1	10/06/25	MR	30 - 130 %
% 2-Fluorophenol	64		%	1	10/06/25	MR	15 - 110 %
% Nitrobenzene-d5	85		%	1	10/06/25	MR	30 - 130 %
% Phenol-d5	64		%	1	10/06/25	MR	15 - 110 %
% Terphenyl-d14	81		%	1	10/06/25	MR	30 - 130 %
Semivolatile Library Search	Completed				10/08/25	MR	

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

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.

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.

Hexavalent Chromium:

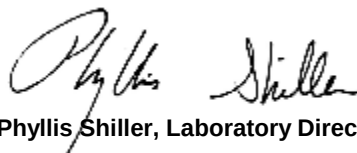
This sample is in a reducing state.

Semi-Volatile Comment:

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

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 09, 2025

Official Report Release To Follow



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



Analysis Report

October 09, 2025

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

Sample Information

Matrix: SOIL
Location Code: AES-EASTSIDE
Rush Request: 5 Day
P.O.#: 0897

Custody Information

Collected by:
Received by: SR1
Analyzed by: see "By" below

Date

09/30/25 11:30
10/01/25 16:00

Time

Laboratory Data

SDG ID: GCU39065
Phoenix ID: CU39070

Project ID: EAST SIDE COASTAL RESILIENCY
Client ID: NYCHA 2

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.38	0.38	mg/Kg	1	10/03/25	TH	SW6010D
Aluminum	22300	58	mg/Kg	10	10/03/25	TH	SW6010D
Arsenic	1.45	0.77	mg/Kg	1	10/03/25	TH	SW6010D
Barium	56.6	0.38	mg/Kg	1	10/03/25	TH	SW6010D
Beryllium	0.32	0.31	mg/Kg	1	10/03/25	TH	SW6010D
Calcium	15300	58	mg/Kg	10	10/03/25	TH	SW6010D
Cadmium	0.62	0.38	mg/Kg	1	10/03/25	TH	SW6010D
Cobalt	22.8	0.38	mg/Kg	1	10/03/25	TH	SW6010D
Chromium	42.1	0.38	mg/Kg	1	10/03/25	TH	SW6010D
Copper	125	0.8	mg/kg	1	10/03/25	TH	SW6010D
Iron	36500	5.8	mg/Kg	1	10/03/25	TH	SW6010D
Mercury	0.107	0.081	mg/Kg	1	10/02/25	ZT	SW7473
Potassium	796	58	mg/Kg	10	10/03/25	TH	SW6010D
Magnesium	15100	5.8	mg/Kg	1	10/03/25	TH	SW6010D
Manganese	781	0.38	mg/Kg	1	10/03/25	TH	SW6010D
Sodium	1660	5.8	mg/Kg	1	10/03/25	TH	SW6010D
Nickel	38.4	0.38	mg/Kg	1	10/03/25	TH	SW6010D
Lead	75.9	0.38	mg/Kg	1	10/03/25	TH	SW6010D
Antimony	< 3.8	3.8	mg/Kg	1	10/03/25	TH	SW6010D
Selenium	< 1.5	1.5	mg/Kg	1	10/03/25	TH	SW6010D
TCLP Silver	< 0.10	0.10	mg/L	1	10/02/25	CPP	SW846 1311/6010
TCLP Arsenic	< 0.10	0.10	mg/L	1	10/02/25	CPP	SW846 1311/6010
TCLP Barium	0.52	0.10	mg/L	1	10/02/25	CPP	SW846 1311/6010
TCLP Cadmium	< 0.050	0.050	mg/L	1	10/02/25	CPP	SW846 1311/6010
TCLP Chromium	< 0.10	0.10	mg/L	1	10/02/25	CPP	SW846 1311/6010
TCLP Mercury	< 0.0002	0.0002	mg/L	1	10/02/25	AJ1	SW846 1311/7470
TCLP Lead	< 0.10	0.10	mg/L	1	10/02/25	CPP	SW846 1311/6010
TCLP Selenium	< 0.10	0.10	mg/L	1	10/02/25	CPP	SW846 1311/6010D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Thallium	< 3.5	3.5	mg/Kg	1	10/03/25	TH	SW6010D
TCLP Metals Digestion	Completed				10/02/25	AK/GW	SW3010A
Vanadium	77.3	0.38	mg/Kg	1	10/03/25	TH	SW6010D
Zinc	82.0	0.8	mg/Kg	1	10/03/25	TH	SW6010D
Percent Solid	93		%		10/01/25	CV	SW846-%Solid
Corrosivity	Negative		Pos/Neg	1	10/02/25	KG	SW846-Corr
Flash Point	>200	200	Degree F	1	10/02/25	G	SW1010B
Chromium, Hex. (SW3060A digestion)	< 0.37	0.37	mg/Kg	1	10/06/25	NP	SW7196A
Ignitability	Passed	140	degree F	1	10/02/25	G	SW846-Ignit
pH at 22C - Soil	7.96	1.00	pH Units	1	10/02/25 00:19	KG	SW846 9045D
Reactivity Cyanide	< 5	5	mg/Kg	1	10/03/25	NP/GD	SW846 7.3.3.1/90
Reactivity Sulfide	< 20	20	mg/Kg	1	10/03/25	NP/GD	SW846 CH7
Reactivity	Negative		Pos/Neg	1	10/03/25	NP/GD	SW846-React
Redox Potential	188		mV	1	10/02/25	KG	SM2580B-09
Total Cyanide (SW9010C Distill.)	< 0.54	0.54	mg/Kg	1	10/07/25	EG	SW9012B
Extraction of NY ETPH	Completed				10/07/25	C/Q	SW3546
Soil Extraction for Herbicide	Completed				10/05/25	Y/D	SW3546
NJ EPH Extraction	Completed				10/07/25	C/U	NJDEP 10-08 R3
Soil Extraction for PCB	Completed				10/07/25	AJ/H/U/Q	SW3546
Soil Extraction for Pesticides	Completed				10/07/25	AJ/H/U/Q	SW3546
Soil Extraction for SVOA	Completed				10/07/25	H/Q	SW3546
TCLP Digestion Mercury	Completed				10/02/25	AK/GW	SW7470A
TCLP Herbicides Extraction	Completed				10/06/25	CV/D	SW8150 MOD
TCLP Extraction for Metals	Completed				10/01/25	AK	SW1311
TCLP Extraction for Organics	Completed				10/01/25	AK	SW1311
TCLP Pesticides Extraction	Completed				10/03/25	T/T	SW3510C
TCLP Semi-Volatile Extraction	Completed				10/06/25	J/J	SW3510C
TCLP Extraction Volatiles	Completed				10/01/25	CV	SW1311
Total Metals Digest	Completed				10/01/25	P/AG/BF	SW3050B

NJ EPH Category 1 (Fuel #2/Diesel)

>C28-C40	ND	8.5	mg/kg	1	10/08/25	JRB	NJEPH 10-08 R3	1
C9-C28	ND	17	mg/kg	1	10/08/25	JRB	NJEPH 10-08 R3	1
Total EPH	ND	8.5	mg/kg	1	10/08/25	JRB	NJEPH 10-08 R3	1

QA/QC Surrogates

% COD (surr)	71		%	1	10/08/25	JRB	40 - 140 %
% Terphenyl (surr)	104		%	1	10/08/25	JRB	40 - 140 %

Gasoline Range Hydrocarbons (C6-C10)

GRO (C6-C10)	ND	9.2	mg/Kg	50	10/02/25	V	SW8015D GRO
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QA/QC Surrogates

% 2,5-Dibromotoluene (FID)	105		%	50	10/02/25	V	70 - 130 %
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Chlorinated Herbicides

2,4,5-T	ND	130	ug/Kg	10	10/07/25	JRB	SW8151A
2,4,5-TP (Silvex)	ND	130	ug/Kg	10	10/07/25	JRB	SW8151A
2,4-D	ND	260	ug/Kg	10	10/07/25	JRB	SW8151A
2,4-DB	ND	1300	ug/Kg	10	10/07/25	JRB	SW8151A
Dalapon	ND	130	ug/Kg	10	10/07/25	JRB	SW8151A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Dicamba	ND	130	ug/Kg	10	10/07/25	JRB	SW8151A
Dichloroprop	ND	260	ug/Kg	10	10/07/25	JRB	SW8151A
Dinoseb	ND	260	ug/Kg	10	10/07/25	JRB	SW8151A
<u>QA/QC Surrogates</u>							
% DCAA	92		%	10	10/07/25	JRB	30 - 150 %
% DCAA (Confirmation)	86		%	10	10/07/25	JRB	30 - 150 %
<u>Polychlorinated Biphenyls</u>							
PCB-1016	ND	70	ug/Kg	2	10/08/25	SC	SW8082A
PCB-1221	ND	70	ug/Kg	2	10/08/25	SC	SW8082A
PCB-1232	ND	70	ug/Kg	2	10/08/25	SC	SW8082A
PCB-1242	ND	70	ug/Kg	2	10/08/25	SC	SW8082A
PCB-1248	ND	70	ug/Kg	2	10/08/25	SC	SW8082A
PCB-1254	120	70	ug/Kg	2	10/08/25	SC	SW8082A
PCB-1260	ND	70	ug/Kg	2	10/08/25	SC	SW8082A
PCB-1262	ND	70	ug/Kg	2	10/08/25	SC	SW8082A
PCB-1268	ND	70	ug/Kg	2	10/08/25	SC	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	61		%	2	10/08/25	SC	30 - 150 %
% DCBP (Confirmation)	90		%	2	10/08/25	SC	30 - 150 %
% TCMX	71		%	2	10/08/25	SC	30 - 150 %
% TCMX (Confirmation)	73		%	2	10/08/25	SC	30 - 150 %
<u>Pesticides - Soil</u>							
4,4' -DDD	5.6	2.1	ug/Kg	2	10/08/25	AW	SW8081B
4,4' -DDE	4.8	2.1	ug/Kg	2	10/08/25	AW	SW8081B
4,4' -DDT	12	2.1	ug/Kg	2	10/08/25	AW	SW8081B
a-BHC	ND	7.0	ug/Kg	2	10/08/25	AW	SW8081B
a-Chlordane	ND	5.0	ug/Kg	2	10/08/25	AW	SW8081B
Aldrin	ND	3.5	ug/Kg	2	10/08/25	AW	SW8081B
b-BHC	ND	7.0	ug/Kg	2	10/08/25	AW	SW8081B
Chlordane	ND	35	ug/Kg	2	10/08/25	AW	SW8081B
d-BHC	ND	7.0	ug/Kg	2	10/08/25	AW	SW8081B
Dieldrin	ND	3.5	ug/Kg	2	10/08/25	AW	SW8081B
Endosulfan I	ND	7.0	ug/Kg	2	10/08/25	AW	SW8081B
Endosulfan II	ND	7.0	ug/Kg	2	10/08/25	AW	SW8081B
Endosulfan sulfate	ND	7.0	ug/Kg	2	10/08/25	AW	SW8081B
Endrin	ND	7.0	ug/Kg	2	10/08/25	AW	SW8081B
Endrin aldehyde	ND	7.0	ug/Kg	2	10/08/25	AW	SW8081B
Endrin ketone	ND	7.0	ug/Kg	2	10/08/25	AW	SW8081B
g-BHC	ND	45	ug/Kg	2	10/08/25	AW	SW8081B
g-Chlordane	ND	5.0	ug/Kg	2	10/08/25	AW	SW8081B
Heptachlor	ND	7.0	ug/Kg	2	10/08/25	AW	SW8081B
Heptachlor epoxide	ND	7.0	ug/Kg	2	10/08/25	AW	SW8081B
Methoxychlor	ND	35	ug/Kg	2	10/08/25	AW	SW8081B
Toxaphene	ND	140	ug/Kg	2	10/08/25	AW	SW8081B
<u>QA/QC Surrogates</u>							
% DCBP	50		%	2	10/08/25	AW	30 - 150 %
% DCBP (Confirmation)	53		%	2	10/08/25	AW	30 - 150 %
% TCMX	46		%	2	10/08/25	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% TCMX (Confirmation)	48		%	2	10/08/25	AW	30 - 150 %
<u>TCLP Herbicides</u>							
2,4,5-TP (Silvex)	ND	50	ug/L	10	10/08/25	JRB	SW846 1311/8151
2,4-D	ND	100	ug/L	10	10/08/25	JRB	SW846 1311/8151
<u>QA/QC Surrogates</u>							
% DCAA	64		%	10	10/08/25	JRB	30 - 150 %
% DCAA (Confirmation)	78		%	10	10/08/25	JRB	30 - 150 %
<u>TCLP Pesticides</u>							
4,4' -DDD	ND	1.0	ug/L	10	10/07/25	AW	SW8081B
4,4' -DDE	ND	1.0	ug/L	10	10/07/25	AW	SW8081B
4,4' -DDT	ND	1.0	ug/L	10	10/07/25	AW	SW8081B
α-BHC	ND	0.50	ug/L	10	10/07/25	AW	SW8081B
Alachlor	ND	0.50	ug/L	10	10/07/25	AW	SW8081B
Aldrin	ND	0.50	ug/L	10	10/07/25	AW	SW8081B
β-BHC	ND	0.50	ug/L	10	10/07/25	AW	SW8081B
Chlordane	ND	5.0	ug/L	10	10/07/25	AW	SW8081B
δ-BHC	ND	0.50	ug/L	10	10/07/25	AW	SW8081B
Dieldrin	ND	1.0	ug/L	10	10/07/25	AW	SW8081B
Endosulfan I	ND	0.50	ug/L	10	10/07/25	AW	SW8081B
Endosulfan II	ND	1.0	ug/L	10	10/07/25	AW	SW8081B
Endosulfan Sulfate	ND	1.0	ug/L	10	10/07/25	AW	SW8081B
Endrin	ND	1.0	ug/L	10	10/07/25	AW	SW8081B
Endrin Aldehyde	ND	1.0	ug/L	10	10/07/25	AW	SW8081B
γ-BHC (Lindane)	ND	0.50	ug/L	10	10/07/25	AW	SW8081B
Heptachlor	ND	0.50	ug/L	10	10/07/25	AW	SW8081B
Heptachlor epoxide	ND	0.50	ug/L	10	10/07/25	AW	SW8081B
Methoxychlor	ND	0.50	ug/L	10	10/07/25	AW	SW8081B
Toxaphene	ND	20	ug/L	10	10/07/25	AW	SW8081B
<u>QA/QC Surrogates</u>							
%DCBP (Surrogate Rec)	83		%	10	10/07/25	AW	30 - 150 %
%DCBP (Surrogate Rec) (Confirmation)	85		%	10	10/07/25	AW	30 - 150 %
%TCMX (Surrogate Rec)	73		%	10	10/07/25	AW	30 - 150 %
%TCMX (Surrogate Rec) (Confirmation)	77		%	10	10/07/25	AW	30 - 150 %
<u>TPH DRO (C10-C28)</u>							
Diesel Range Organics (C10-C28)	ND	53	mg/Kg	1	10/08/25	JRB	SW8015D DRO
<u>QA/QC Surrogates</u>							
% Terphenyl-d14	53		%	1	10/08/25	JRB	50 - 150 %
% Tricosane(C23)	70		%	1	10/08/25	JRB	50 - 150 %
<u>Volatiles (TCL)</u>							
1,1,1-Trichloroethane	ND	8.7	ug/kg	1	10/03/25	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	8.7	ug/kg	1	10/03/25	JLI	SW8260D
1,1,2-Trichloroethane	ND	8.7	ug/kg	1	10/03/25	JLI	SW8260D
1,1-Dichloroethane	ND	8.7	ug/kg	1	10/03/25	JLI	SW8260D
1,1-Dichloroethene	ND	8.7	ug/kg	1	10/03/25	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	8.7	ug/kg	1	10/03/25	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	8.7	ug/kg	1	10/03/25	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,2,4-Trimethylbenzene	ND	8.7	ug/kg	1	10/03/25	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	8.7	ug/kg	1	10/03/25	JLI	SW8260D
1,2-Dibromoethane	ND	8.7	ug/kg	1	10/03/25	JLI	SW8260D
1,2-Dichlorobenzene	ND	8.7	ug/kg	1	10/03/25	JLI	SW8260D
1,2-Dichloroethane	ND	8.7	ug/kg	1	10/03/25	JLI	SW8260D
1,2-Dichloropropane	ND	8.7	ug/kg	1	10/03/25	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	8.7	ug/kg	1	10/03/25	JLI	SW8260D
1,3-Dichlorobenzene	ND	8.7	ug/kg	1	10/03/25	JLI	SW8260D
1,4-Dichlorobenzene	ND	8.7	ug/kg	1	10/03/25	JLI	SW8260D
2-Hexanone	ND	43	ug/kg	1	10/03/25	JLI	SW8260D
4-Methyl-2-pentanone	ND	43	ug/kg	1	10/03/25	JLI	SW8260D
Acetone	ND	50	ug/kg	1	10/03/25	JLI	SW8260D
Benzene	ND	8.7	ug/kg	1	10/03/25	JLI	SW8260D
Bromochloromethane	ND	8.7	ug/kg	1	10/03/25	JLI	SW8260D
Bromodichloromethane	ND	8.7	ug/kg	1	10/03/25	JLI	SW8260D
Bromoform	ND	8.7	ug/kg	1	10/03/25	JLI	SW8260D
Bromomethane	ND	8.7	ug/kg	1	10/03/25	JLI	SW8260D
Carbon Disulfide	ND	8.7	ug/kg	1	10/03/25	JLI	SW8260D
Carbon tetrachloride	ND	8.7	ug/kg	1	10/03/25	JLI	SW8260D
Chlorobenzene	ND	8.7	ug/kg	1	10/03/25	JLI	SW8260D
Chloroethane	ND	8.7	ug/kg	1	10/03/25	JLI	SW8260D
Chloroform	ND	8.7	ug/kg	1	10/03/25	JLI	SW8260D
Chloromethane	ND	8.7	ug/kg	1	10/03/25	JLI	SW8260D
cis-1,2-Dichloroethene	ND	8.7	ug/kg	1	10/03/25	JLI	SW8260D
cis-1,3-Dichloropropene	ND	8.7	ug/kg	1	10/03/25	JLI	SW8260D
Cyclohexane	ND	8.7	ug/kg	1	10/03/25	JLI	SW8260D
Dibromochloromethane	ND	8.7	ug/kg	1	10/03/25	JLI	SW8260D
Dichlorodifluoromethane	ND	8.7	ug/kg	1	10/03/25	JLI	SW8260D
Ethylbenzene	ND	8.7	ug/kg	1	10/03/25	JLI	SW8260D
Isopropylbenzene	ND	8.7	ug/kg	1	10/03/25	JLI	SW8260D
m&p-Xylene	ND	8.7	ug/kg	1	10/03/25	JLI	SW8260D
Methyl ethyl ketone	ND	52	ug/kg	1	10/03/25	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	17	ug/kg	1	10/03/25	JLI	SW8260D
Methylacetate	ND	87	ug/kg	1	10/03/25	JLI	SW8260D
Methylcyclohexane	ND	8.7	ug/kg	1	10/03/25	JLI	SW8260D
Methylene chloride	ND	43	ug/kg	1	10/03/25	JLI	SW8260D
o-Xylene	ND	8.7	ug/kg	1	10/03/25	JLI	SW8260D
Styrene	ND	8.7	ug/kg	1	10/03/25	JLI	SW8260D
Tetrachloroethene	ND	8.7	ug/kg	1	10/03/25	JLI	SW8260D
Toluene	ND	8.7	ug/kg	1	10/03/25	JLI	SW8260D
Total Xylenes	ND	8.7	ug/kg	1	10/03/25	JLI	SW8260D
trans-1,2-Dichloroethene	ND	8.7	ug/kg	1	10/03/25	JLI	SW8260D
trans-1,3-Dichloropropene	ND	8.7	ug/kg	1	10/03/25	JLI	SW8260D
Trichloroethene	ND	8.7	ug/kg	1	10/03/25	JLI	SW8260D
Trichlorofluoromethane	ND	8.7	ug/kg	1	10/03/25	JLI	SW8260D
Trichlorotrifluoroethane	ND	8.7	ug/kg	1	10/03/25	JLI	SW8260D
Vinyl chloride	ND	8.7	ug/kg	1	10/03/25	JLI	SW8260D
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	88		%	1	10/03/25	JLI	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Bromofluorobenzene	86		%	1	10/03/25	JLI	70 - 130 %
% Dibromofluoromethane	99		%	1	10/03/25	JLI	70 - 130 %
% Toluene-d8	90		%	1	10/03/25	JLI	70 - 130 %

1,4-dioxane

1,4-dioxane	ND	100	ug/kg	1	10/03/25	JLI	SW8260D
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Volatiles

1,2,3-Trichloropropane	ND	8.7	ug/Kg	1	10/03/25	JLI	SW8260D
1,2,4-Trimethylbenzene	ND	8.7	ug/Kg	1	10/03/25	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	8.7	ug/Kg	1	10/03/25	JLI	SW8260D
1,3-Dichloropropane	ND	8.7	ug/Kg	1	10/03/25	JLI	SW8260D
n-Butylbenzene	ND	8.7	ug/Kg	1	10/03/25	JLI	SW8260D
n-Propylbenzene	ND	8.7	ug/Kg	1	10/03/25	JLI	SW8260D
p-Isopropyltoluene	ND	8.7	ug/Kg	1	10/03/25	JLI	SW8260D
sec-Butylbenzene	ND	8.7	ug/Kg	1	10/03/25	JLI	SW8260D
tert-Butylbenzene	ND	8.7	ug/Kg	1	10/03/25	JLI	SW8260D

QA/QC Surrogates

% 1,2-dichlorobenzene-d4	88		%	1	10/03/25	JLI	70 - 130 %
% Bromofluorobenzene	86		%	1	10/03/25	JLI	70 - 130 %
% Dibromofluoromethane	99		%	1	10/03/25	JLI	70 - 130 %
% Toluene-d8	90		%	1	10/03/25	JLI	70 - 130 %

TCLP Volatiles

1,1-Dichloroethene	ND	50	ug/L	10	10/04/25	V	SW846 1311/8260
1,2-Dichloroethane	ND	50	ug/L	10	10/04/25	V	SW846 1311/8260
1,4-Dichlorobenzene	ND	50	ug/L	10	10/04/25	V	SW846 1311/8260
Benzene	ND	50	ug/L	10	10/04/25	V	SW846 1311/8260
Carbon tetrachloride	ND	50	ug/L	10	10/04/25	V	SW846 1311/8260
Chlorobenzene	ND	50	ug/L	10	10/04/25	V	SW846 1311/8260
Chloroform	ND	50	ug/L	10	10/04/25	V	SW846 1311/8260
Methyl ethyl ketone	ND	50	ug/L	10	10/04/25	V	SW846 1311/8260
Tetrachloroethene	ND	50	ug/L	10	10/04/25	V	SW846 1311/8260
Trichloroethene	ND	50	ug/L	10	10/04/25	V	SW846 1311/8260
Vinyl chloride	ND	50	ug/L	10	10/04/25	V	SW846 1311/8260

QA/QC Surrogates

% 1,2-dichlorobenzene-d4 (10x)	101		%	10	10/04/25	V	70 - 130 %
% Bromofluorobenzene (10x)	94		%	10	10/04/25	V	70 - 130 %
% Dibromofluoromethane (10x)	103		%	10	10/04/25	V	70 - 130 %
% Toluene-d8 (10x)	99		%	10	10/04/25	V	70 - 130 %

Volatile Library Search	Completed				10/03/25	JLI	
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Semivolatiles

1,1-Biphenyl	ND	250	ug/Kg	1	10/08/25	MR	SW8270E
1,2,4,5-Tetrachlorobenzene	ND	250	ug/Kg	1	10/08/25	MR	SW8270E
2,2'-Oxybis(1-Chloropropane)	ND	250	ug/Kg	1	10/08/25	MR	SW8270E
2,3,4,6-tetrachlorophenol	ND	250	ug/Kg	1	10/08/25	MR	SW8270E
2,4,5-Trichlorophenol	ND	250	ug/Kg	1	10/08/25	MR	SW8270E
2,4,6-Trichlorophenol	ND	250	ug/Kg	1	10/08/25	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2,4-Dichlorophenol	ND	250	ug/Kg	1	10/08/25	MR	SW8270E
2,4-Dimethylphenol	ND	250	ug/Kg	1	10/08/25	MR	SW8270E
2,4-Dinitrophenol	ND	560	ug/Kg	1	10/08/25	MR	SW8270E
2,4-Dinitrotoluene	ND	250	ug/Kg	1	10/08/25	MR	SW8270E
2,6-Dinitrotoluene	ND	250	ug/Kg	1	10/08/25	MR	SW8270E
2-Chloronaphthalene	ND	250	ug/Kg	1	10/08/25	MR	SW8270E
2-Chlorophenol	ND	250	ug/Kg	1	10/08/25	MR	SW8270E
2-Methylnaphthalene	ND	250	ug/Kg	1	10/08/25	MR	SW8270E
2-Methylphenol (o-cresol)	ND	250	ug/Kg	1	10/08/25	MR	SW8270E
2-Nitroaniline	ND	560	ug/Kg	1	10/08/25	MR	SW8270E
2-Nitrophenol	ND	250	ug/Kg	1	10/08/25	MR	SW8270E
3&4-Methylphenol (m&p-cresol)	ND	330	ug/Kg	1	10/08/25	MR	SW8270E
3,3'-Dichlorobenzidine	ND	420	ug/Kg	1	10/08/25	MR	SW8270E
3-Nitroaniline	ND	560	ug/Kg	1	10/08/25	MR	SW8270E
4,6-Dinitro-2-methylphenol	ND	1000	ug/Kg	1	10/08/25	MR	SW8270E
4-Bromophenyl phenyl ether	ND	350	ug/Kg	1	10/08/25	MR	SW8270E
4-Chloro-3-methylphenol	ND	250	ug/Kg	1	10/08/25	MR	SW8270E
4-Chloroaniline	ND	250	ug/Kg	1	10/08/25	MR	SW8270E
4-Chlorophenyl phenyl ether	ND	250	ug/Kg	1	10/08/25	MR	SW8270E
4-Nitroaniline	ND	560	ug/Kg	1	10/08/25	MR	SW8270E
4-Nitrophenol	ND	1000	ug/Kg	1	10/08/25	MR	SW8270E
Acenaphthene	ND	250	ug/Kg	1	10/08/25	MR	SW8270E
Acenaphthylene	ND	250	ug/Kg	1	10/08/25	MR	SW8270E
Acetophenone	ND	250	ug/Kg	1	10/08/25	MR	SW8270E
Anthracene	ND	250	ug/Kg	1	10/08/25	MR	SW8270E
Atrazine	ND	250	ug/Kg	1	10/08/25	MR	SW8270E
Benz(a)anthracene	500	250	ug/Kg	1	10/08/25	MR	SW8270E
Benzaldehyde	ND	250	ug/Kg	1	10/08/25	MR	SW8270E
Benzo(a)pyrene	490	250	ug/Kg	1	10/08/25	MR	SW8270E
Benzo(b)fluoranthene	670	250	ug/Kg	1	10/08/25	MR	SW8270E
Benzo(ghi)perylene	330	250	ug/Kg	1	10/08/25	MR	SW8270E
Benzo(k)fluoranthene	ND	250	ug/Kg	1	10/08/25	MR	SW8270E
Benzyl butyl phthalate	ND	250	ug/Kg	1	10/08/25	MR	SW8270E
Bis(2-chloroethoxy)methane	ND	250	ug/Kg	1	10/08/25	MR	SW8270E
Bis(2-chloroethyl)ether	ND	350	ug/Kg	1	10/08/25	MR	SW8270E
Bis(2-ethylhexyl)phthalate	ND	250	ug/Kg	1	10/08/25	MR	SW8270E
Caprolactam	ND	250	ug/Kg	1	10/08/25	MR	SW8270E
Carbazole	ND	350	ug/Kg	1	10/08/25	MR	SW8270E
Chrysene	480	250	ug/Kg	1	10/08/25	MR	SW8270E
Dibenz(a,h)anthracene	ND	180	ug/Kg	1	10/08/25	MR	SW8270E
Dibenzofuran	ND	250	ug/Kg	1	10/08/25	MR	SW8270E
Diethyl phthalate	ND	250	ug/Kg	1	10/08/25	MR	SW8270E
Dimethylphthalate	ND	250	ug/Kg	1	10/08/25	MR	SW8270E
Di-n-butylphthalate	ND	700	ug/Kg	1	10/08/25	MR	SW8270E
Di-n-octylphthalate	ND	250	ug/Kg	1	10/08/25	MR	SW8270E
Fluoranthene	1200	250	ug/Kg	1	10/08/25	MR	SW8270E
Fluorene	ND	250	ug/Kg	1	10/08/25	MR	SW8270E
Hexachlorobenzene	ND	250	ug/Kg	1	10/08/25	MR	SW8270E
Hexachlorobutadiene	ND	250	ug/Kg	1	10/08/25	MR	SW8270E

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Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Hexachlorocyclopentadiene	ND	250	ug/Kg	1	10/08/25	MR	SW8270E
Hexachloroethane	ND	250	ug/Kg	1	10/08/25	MR	SW8270E
Indeno(1,2,3-cd)pyrene	360	250	ug/Kg	1	10/08/25	MR	SW8270E
Isophorone	ND	250	ug/Kg	1	10/08/25	MR	SW8270E
Naphthalene	ND	250	ug/Kg	1	10/08/25	MR	SW8270E
Nitrobenzene	ND	250	ug/Kg	1	10/08/25	MR	SW8270E
N-Nitrosodimethylamine	ND	350	ug/Kg	1	10/08/25	MR	SW8270E
N-Nitrosodi-n-propylamine	ND	180	ug/Kg	1	10/08/25	MR	SW8270E
N-Nitrosodiphenylamine	ND	350	ug/Kg	1	10/08/25	MR	SW8270E
Pentachlorophenol	ND	350	ug/Kg	1	10/08/25	MR	SW8270E
Phenanthrene	680	250	ug/Kg	1	10/08/25	MR	SW8270E
Phenol	ND	250	ug/Kg	1	10/08/25	MR	SW8270E
Pyrene	1100	250	ug/Kg	1	10/08/25	MR	SW8270E
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	95		%	1	10/08/25	MR	30 - 130 %
% 2-Fluorobiphenyl	67		%	1	10/08/25	MR	30 - 130 %
% 2-Fluorophenol	74		%	1	10/08/25	MR	30 - 130 %
% Nitrobenzene-d5	76		%	1	10/08/25	MR	30 - 130 %
% Phenol-d5	73		%	1	10/08/25	MR	30 - 130 %
% Terphenyl-d14	89		%	1	10/08/25	MR	30 - 130 %
<u>TCLP Acid/Base-Neutral</u>							
1,4-Dichlorobenzene	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270
2,4,5-Trichlorophenol	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270
2,4,6-Trichlorophenol	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270
2,4-Dinitrotoluene	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270
2-Methylphenol (o-cresol)	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270
3&4-Methylphenol (m&p-Cresol)	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270
Hexachlorobenzene	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270
Hexachlorobutadiene	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270
Hexachloroethane	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270
Nitrobenzene	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270
Pentachlorophenol	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270
Pyridine	ND	83	ug/L	1	10/06/25	MR	SW-846 1311/8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	109		%	1	10/06/25	MR	15 - 110 %
% 2-Fluorobiphenyl	83		%	1	10/06/25	MR	30 - 130 %
% 2-Fluorophenol	71		%	1	10/06/25	MR	15 - 110 %
% Nitrobenzene-d5	92		%	1	10/06/25	MR	30 - 130 %
% Phenol-d5	70		%	1	10/06/25	MR	15 - 110 %
% Terphenyl-d14	83		%	1	10/06/25	MR	30 - 130 %
Semivolatile Library Search	Completed				10/08/25	MR	

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

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.

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.

Hexavalent Chromium:

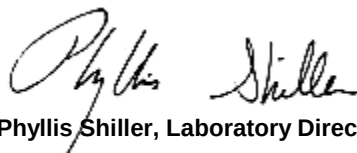
This sample is in a reducing state.

Semi-Volatile Comment:

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

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 09, 2025

Official Report Release To Follow

CLIENT ID

DEP WEST 1

Lab Name: Phoenix Environmental Labs

Client: AES-EASTSIDE

Lab Code: Phoenix Case No.:

SAS No.:

SDG No.: GCU3906!

Matrix:(soil/water) SOIL

Lab Sample ID: CU39065

Sample wt/vol: 10.38 (g/mL) g

Lab File ID: 1003_29.D

Level: (low/med) Meth

Date Received: 10/01/25

% Moisture: not dec.	14
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Date Analyzed: 10/03/25

GC Column: RTX-VMS ID: 0.18mm

Dilution Factor: 1000

Purge Volume: 5000 (uL)

Soil Aliquot Vol (uL): 5

Number TICs found: 12

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

[illegible]

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 identification 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.

CLIENT ID

WEST 1

Lab Name: Phoenix Environmental Labs

Client: AES-EASTSIDE

Lab Code: Phoenix Case No.:

SAS No.:

SDG No.: GCU3906!

Matrix:(soil/water) SOIL

Lab Sample ID: CU39067

Sample wt/vol: 1.03 (g/mL) g

Lab File ID: 1002_35.D

Level: (low/med) Low

Date Received: 10/01/25

% Moisture: not dec.	13
----------------------	----

Date Analyzed: 10/03/25

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

[illegible]

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 identification 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.

CLIENT ID

WEST 2

Lab Name: Phoenix Environmental Labs

Client: AES-EASTSIDE

Lab Code: Phoenix Case No.:

SAS No.:

SDG No.: GCU3906!

Matrix:(soil/water) SOIL

Lab Sample ID: CU39068

Sample wt/vol: 5.71 (g/mL) g

Lab File ID: 1002_64.D

Level: (low/med) Meth

Date Received: 10/01/25

% Moisture: not dec.	25
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Date Analyzed: 10/03/25

GC Column: RTX-VMS ID: 0.18mm

Dilution Factor: 5000

Purge Volume: 5000 (uL)

Soil Aliquot Vol (uL): 1

Number TICs found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

[illegible]

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 identification 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.

CLIENT ID

NYCHA 2

Lab Name: Phoenix Environmental Labs

Client: AES-EASTSIDE

Lab Code: Phoenix Case No.:

SAS No.:

SDG No.: GCU3906!

Matrix:(soil/water) SOIL

Lab Sample ID: CU39070

Sample wt/vol: 3.11 (g/mL) g

Lab File ID: 1002_37.D

Level: (low/med) Low

Date Received: 10/01/25

% Moisture: not dec.	7
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Date Analyzed: 10/03/25

GC Column: RTX-VMS ID: 0.18mm

Dilution Factor: 1

Purge Volume: 5000 (uL)

Soil Aliquot Vol (uL): 5000

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

[illegible]

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 identification 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.

CLIENT ID

DEF WEST 1

Lab Name: Phoenix Environmental Labs

Client: AES-EASTSIDE

Lab Code: Phoenix Case No.:

SAS No.:

SDG No.: GCU3906!

Matrix:(soil/water) SOIL

Lab Sample ID: CU39065

Sample wt/vol: 9.3100004 (g/mL) g

Lab File ID: 1007 44.D

Level: (low/med) Low

Date Received: 10/01/25

% Moisture: not dec.	14	decanted:(Y/N)	NA
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Date Extracted: 10/08/25

GPC Cleanup (Y/N): N pH: NA

Date Analyzed: 10/8/2025

Conc. Extract Volume: 1000 (uL)

Dilution Factor 1

Injection Volume: 1 (uL)

Number TICs found: 19

CONCENTRATION UNITS:
(ug/L or ug/KG) ug/Kg

[illegible]

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.

CLIENT ID

DEF WEST 2

Lab Name: Phoenix Environmental Labs

Client: AES-EASTSIDE

Lab Code: Phoenix Case No.:

SAS No.:

SDG No.: GCU3906!

Matrix:(soil/water) SOIL

Lab Sample ID: CU39066

Sample wt/vol: 15.32 (g/mL) g

Lab File ID: 1007_45.D

Level: (low/med) Low

Date Received: 10/01/25

% Moisture: not dec.	14	decanted:(Y/N)	NA
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Date Extracted: 10/08/25

GPC Cleanup (Y/N): N pH: NA

Date Analyzed: 10/8/2025

Conc. Extract Volume: 1000 (uL)

Dilution Factor 1

Injection Volume: 1 (uL)

Number TICs found: 7

CONCENTRATION UNITS:
(ug/L or ug/KG) ug/Kg

[illegible]

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.

CLIENT ID

WEST 2

Lab Name: Phoenix Environmental Labs

Client: AES-EASTSIDE

Lab Code: Phoenix Case No.:

SAS No.:

SDG No.: GCU3906!

Matrix:(soil/water) SOIL

Lab Sample ID: CU39068

Sample wt/vol: 9.4700003 (g/mL) g

Lab File ID: 1008 06.D

Level: (low/med) Low

Date Received: 10/01/25

% Moisture: not dec.	25	decanted:(Y/N)	NA
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Date Extracted: 10/08/25

GPC Cleanup (Y/N): N pH: NA

Date Analyzed: 10/8/2025

Conc. Extract Volume: 1000 (uL)

Dilution Factor 10

Injection Volume: 1 (uL)

Number TICs found: 15

CONCENTRATION UNITS:
(ug/L or ug/KG)

[illegible]

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.

CLIENT ID

Client: AES-EASTSIDE

SDG No.: GCU3906!

Lab Sample ID: CU39069

Lab File ID: 1007_39.D

Date Received: 10/01/25

Date Extracted: 10/08/25

Date Analyzed: 10/8/2025

Dilution Factor 1

CONCENTRATION UNITS:

(ug/L or ug/KG) ug/Kg

[illegible]

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.

CLIENT ID

NYCHA 2

Lab Name: Phoenix Environmental Labs

Client: AES-EASTSIDE

Lab Code: Phoenix Case No.:

SAS No.:

SDG No.: GCU3906!

Matrix:(soil/water) SOIL

Lab Sample ID: CU39070

Sample wt/vol: 15.26 (g/mL) g

Lab File ID: 1007_40.D

Level: (low/med) Low

Date Received: 10/01/25

% Moisture: not dec.	7	decanted:(Y/N)	NA
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Date Extracted: 10/08/25

GPC Cleanup (Y/N): N pH: NA

Date Analyzed: 10/8/2025

Conc. Extract Volume: 1000 (uL)

Dilution Factor 1

Injection Volume: 1 (uL)

Number TICs found: 6

[illegible]

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.

Sample Criteria Exceedances Report

Criteria: NY: 375, 375COM, 375RRS

GCU39065 - AES-EASTSIDE

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CU39065	\$8260_TCL_SM	Total Xylenes	NY / 375-6.8 Volatiles / Unrestricted Use Soil	20000	6400	260	260	ug/kg
CU39065	\$8260_TCL_SM	1,1-Dichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1300	270	270	ug/kg
CU39065	\$8260_TCL_SM	Vinyl chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	640	20	20	ug/kg
CU39065	\$8260_TCL_SM	Trichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	640	470	470	ug/kg
CU39065	\$8260_TCL_SM	Toluene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	1100	700	700	700	ug/kg
CU39065	\$8260_TCL_SM	Methylene chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	2600	50	50	ug/kg
CU39065	\$8260_TCL_SM	Methyl t-butyl ether (MTBE)	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1300	930	930	ug/kg
CU39065	\$8260_TCL_SM	Methyl ethyl ketone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	2600	120	120	ug/kg
CU39065	\$8260_TCL_SM	Ethylbenzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	7500	6400	1000	1000	ug/kg
CU39065	\$8260_TCL_SM	1,2-Dichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	640	20	20	ug/kg
CU39065	\$8260_TCL_SM	1,1-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	640	330	330	ug/kg
CU39065	\$8260_TCL_SM	trans-1,2-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	640	190	190	ug/kg
CU39065	\$8260_TCL_SM	1,2,4-Trimethylbenzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	45000	6400	3600	3600	ug/kg
CU39065	\$8260_TCL_SM	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	6400	50	50	ug/kg
CU39065	\$8260_TCL_SM	Benzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	890	640	60	60	ug/kg
CU39065	\$8260_TCL_SM	Carbon tetrachloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1300	760	760	ug/kg
CU39065	\$8260_TCL_SM	Chloroform	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	640	370	370	ug/kg
CU39065	\$8260_TCL_SM	cis-1,2-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	640	250	250	ug/kg
CU39065	\$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Commercial	32000	4400	1000	1000	ug/Kg
CU39065	\$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Commercial	24000	4400	5600	5600	ug/Kg
CU39065	\$8270_TCLR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Commercial	4000	3100	560	560	ug/Kg
CU39065	\$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Commercial	32000	4400	5600	5600	ug/Kg
CU39065	\$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Commercial	14000	4400	5600	5600	ug/Kg
CU39065	\$8270_TCLR	Phenanthrene	NY / 375-6.8 Semivolatiles / Residential Restricted	170000	22000	100000	100000	ug/Kg
CU39065	\$8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Residential Restricted	36000	4400	3900	3900	ug/Kg
CU39065	\$8270_TCLR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	4000	3100	330	330	ug/Kg
CU39065	\$8270_TCLR	Naphthalene	NY / 375-6.8 Semivolatiles / Residential Restricted	260000	22000	100000	100000	ug/Kg
CU39065	\$8270_TCLR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	6900	4400	3900	3900	ug/Kg
CU39065	\$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	14000	4400	500	500	ug/Kg
CU39065	\$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	32000	4400	1000	1000	ug/Kg
CU39065	\$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	24000	4400	1000	1000	ug/Kg
CU39065	\$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	32000	4400	1000	1000	ug/Kg
CU39065	\$8270_TCLR	Phenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	620	330	330	ug/Kg
CU39065	\$8270_TCLR	Phenanthrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	170000	22000	100000	100000	ug/Kg
CU39065	\$8270_TCLR	2-Methylphenol (o-cresol)	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1100	330	330	ug/Kg
CU39065	\$8270_TCLR	Pentachlorophenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1100	800	800	ug/Kg
CU39065	\$8270_TCLR	Naphthalene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	260000	22000	12000	12000	ug/Kg
CU39065	\$8270_TCLR	3&4-Methylphenol (m&p-cresol)	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1100	330	330	ug/Kg
CU39065	\$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	14000	4400	500	500	ug/Kg
CU39065	\$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	32000	4400	1000	1000	ug/Kg
CU39065	\$8270_TCLR	Acenaphthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	81000	4400	20000	20000	ug/Kg
CU39065	\$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	24000	4400	1000	1000	ug/Kg

Sample Criteria Exceedances Report

Criteria: NY: 375, 375COM, 375RRS

GCU39065 - AES-EASTSIDE

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CU39065	\$8270_TCLR	Fluorene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	60000	4400	30000	30000	ug/Kg
CU39065	\$8270_TCLR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	4000	3100	330	330	ug/Kg
CU39065	\$8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	36000	4400	1000	1000	ug/Kg
CU39065	\$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	32000	4400	1000	1000	ug/Kg
CU39065	\$8270_TCLR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	6900	4400	800	800	ug/Kg
CU39065	\$8270_TCLR	Hexachlorobenzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	620	330	330	ug/Kg
CU39065	\$DIOX_SMR	1,4-dioxane	NY / 375-6.8 Volatiles / Residential Restricted	ND	51000	13000	13000	ug/kg
CU39065	\$DIOX_SMR	1,4-dioxane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	51000	100	100	ug/kg
CU39065	\$NYADDSM	1,2,4-Trimethylbenzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	45000	6400	3600	3600	ug/Kg
CU39065	\$NYADDSM	n-Propylbenzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	4700	3900	3900	3900	ug/Kg
CU39065	CU-SM	Copper	NY / 375-6.8 Metals / Commercial	388	0.7	270	270	mg/kg
CU39065	CU-SM	Copper	NY / 375-6.8 Metals / Residential Restricted	388	0.7	270	270	mg/kg
CU39065	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	388	0.7	50	50	mg/kg
CU39065	HG-SMDMA	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.628	0.087	0.18	0.18	mg/Kg
CU39065	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	43.7	0.37	30	30	mg/Kg
CU39065	PB-SM	Lead	NY / 375-6.8 Metals / Residential Restricted	507	0.37	400	400	mg/Kg
CU39065	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	507	0.37	63	63	mg/Kg
CU39065	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	684	0.7	109	109	mg/Kg
CU39066	\$PESTSM_NY	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	6.1	3.8	5	5	ug/Kg
CU39066	\$PESTSM_NY	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	5.7	2.3	3.3	3.3	ug/Kg
CU39066	\$PESTSM_NY	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	4.6	2.3	3.3	3.3	ug/Kg
CU39066	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	101	0.35	63	63	mg/Kg
CU39067	\$8260_TCL_SM	Total Xylenes	NY / 375-6.8 Volatiles / Unrestricted Use Soil	18100	330	260	260	ug/kg
CU39067	\$8260_TCL_SM	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	91	50	50	50	ug/kg
CU39067	\$8260_TCL_SM	Benzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	2700	330	60	60	ug/kg
CU39067	\$8260_TCL_SM	Ethylbenzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	12000	330	1000	1000	ug/kg
CU39067	\$8260_TCL_SM	Toluene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	6900	330	700	700	ug/kg
CU39067	\$8260_TCL_SM	1,2,4-Trimethylbenzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	11000	330	3600	3600	ug/kg
CU39067	\$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Commercial	2100	260	1000	1000	ug/Kg
CU39067	\$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	2000	260	1000	1000	ug/Kg
CU39067	\$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	2700	260	1000	1000	ug/Kg
CU39067	\$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1000	260	500	500	ug/Kg
CU39067	\$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	2100	260	1000	1000	ug/Kg
CU39067	\$8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2600	260	1000	1000	ug/Kg
CU39067	\$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1000	260	500	500	ug/Kg
CU39067	\$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2000	260	1000	1000	ug/Kg
CU39067	\$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2100	260	1000	1000	ug/Kg
CU39067	\$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2700	260	1000	1000	ug/Kg
CU39067	\$DIOX_SMR	1,4-dioxane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	220	100	100	ug/kg
CU39067	\$NYADDSM	1,2,4-Trimethylbenzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	11000	330	3600	3600	ug/Kg

Sample Criteria Exceedances Report

Criteria: NY: 375, 375COM, 375RRS

GCU39065 - AES-EASTSIDE

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CU39067	\$PCB_SMR	PCB-1254	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	130	75	100	100	ug/Kg
CU39067	\$PESTSM_NY	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	25	15	3.3	3.3	ug/Kg
CU39067	\$PESTSM_NY	Endrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	37	14	14	ug/Kg
CU39067	\$PESTSM_NY	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	15	5	5	ug/Kg
CU39067	\$PESTSM_NY	Aldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	15	5	5	ug/Kg
CU39067	\$PESTSM_NY	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	160	22	3.3	3.3	ug/Kg
CU39067	\$PESTSM_NY	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	15	3.3	3.3	ug/Kg
CU39068	\$8260_TCL_SM	Total Xylenes	NY / 375-6.8 Volatiles / Unrestricted Use Soil	38000	33000	260	260	ug/kg
CU39068	\$8260_TCL_SM	Vinyl chloride	NY / 375-6.8 Volatiles / Residential Restricted	ND	6700	900	900	ug/kg
CU39068	\$8260_TCL_SM	Benzene	NY / 375-6.8 Volatiles / Residential Restricted	ND	6700	4800	4800	ug/kg
CU39068	\$8260_TCL_SM	Ethylbenzene	NY / 375-6.8 Volatiles / Residential Restricted	100000	67000	41000	41000	ug/kg
CU39068	\$8260_TCL_SM	1,2,4-Trimethylbenzene	NY / 375-6.8 Volatiles / Residential Restricted	81000	67000	52000	52000	ug/kg
CU39068	\$8260_TCL_SM	1,2-Dichloroethane	NY / 375-6.8 Volatiles / Residential Restricted	ND	6700	3100	3100	ug/kg
CU39068	\$8260_TCL_SM	Carbon tetrachloride	NY / 375-6.8 Volatiles / Residential Restricted	ND	13000	2400	2400	ug/kg
CU39068	\$8260_TCL_SM	1,1,1-Trichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	6700	680	680	ug/kg
CU39068	\$8260_TCL_SM	1,1-Dichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	13000	270	270	ug/kg
CU39068	\$8260_TCL_SM	1,1-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	6700	330	330	ug/kg
CU39068	\$8260_TCL_SM	trans-1,2-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	6700	190	190	ug/kg
CU39068	\$8260_TCL_SM	1,2,4-Trimethylbenzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	81000	67000	3600	3600	ug/kg
CU39068	\$8260_TCL_SM	1,2-Dichlorobenzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	6700	1100	1100	ug/kg
CU39068	\$8260_TCL_SM	Trichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	6700	470	470	ug/kg
CU39068	\$8260_TCL_SM	Toluene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	6700	700	700	ug/kg
CU39068	\$8260_TCL_SM	Tetrachloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	13000	1300	1300	ug/kg
CU39068	\$8260_TCL_SM	Methylene chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	27000	50	50	ug/kg
CU39068	\$8260_TCL_SM	Methyl t-butyl ether (MTBE)	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	13000	930	930	ug/kg
CU39068	\$8260_TCL_SM	Methyl ethyl ketone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	27000	120	120	ug/kg
CU39068	\$8260_TCL_SM	Ethylbenzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	100000	67000	1000	1000	ug/kg
CU39068	\$8260_TCL_SM	cis-1,2-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	6700	250	250	ug/kg
CU39068	\$8260_TCL_SM	Chlorobenzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	6700	1100	1100	ug/kg
CU39068	\$8260_TCL_SM	Carbon tetrachloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	13000	760	760	ug/kg
CU39068	\$8260_TCL_SM	Benzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	6700	60	60	ug/kg
CU39068	\$8260_TCL_SM	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	67000	50	50	ug/kg
CU39068	\$8260_TCL_SM	1,4-Dichlorobenzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	6700	1800	1800	ug/kg
CU39068	\$8260_TCL_SM	1,3-Dichlorobenzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	6700	2400	2400	ug/kg
CU39068	\$8260_TCL_SM	1,3,5-Trimethylbenzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	27000	8400	8400	8400	ug/kg
CU39068	\$8260_TCL_SM	1,2-Dichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	6700	20	20	ug/kg
CU39068	\$8260_TCL_SM	Chloroform	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	6700	370	370	ug/kg
CU39068	\$8260_TCL_SM	Vinyl chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	6700	20	20	ug/kg
CU39068	\$8270_TCLR	Dibenzofuran	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	28000	4900	7000	7000	ug/Kg
CU39068	\$8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Commercial	97000	4900	56000	56000	ug/Kg
CU39068	\$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Commercial	72000	4900	1000	1000	ug/Kg

Sample Criteria Exceedances Report

Criteria: NY: 375, 375COM, 375RRS

GCU39065 - AES-EASTSIDE

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CU39068	\$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Commercial	54000	4900	5600	5600	ug/Kg
CU39068	\$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Commercial	99000	4900	5600	5600	ug/Kg
CU39068	\$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Commercial	24000	4900	5600	5600	ug/Kg
CU39068	\$8270_TCLR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Commercial	8700	3500	560	560	ug/Kg
CU39068	\$8270_TCLR	Naphthalene	NY / 375-6.8 Semivolatiles / Commercial	1300000	49000	500000	500000	ug/Kg
CU39068	\$8270_TCLR	Phenanthrene	NY / 375-6.8 Semivolatiles / Commercial	740000	49000	500000	500000	ug/Kg
CU39068	\$8270_TCLR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	8700	3500	330	330	ug/Kg
CU39068	\$8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Residential Restricted	97000	4900	3900	3900	ug/Kg
CU39068	\$8270_TCLR	Fluorene	NY / 375-6.8 Semivolatiles / Residential Restricted	290000	49000	100000	100000	ug/Kg
CU39068	\$8270_TCLR	Pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	290000	49000	100000	100000	ug/Kg
CU39068	\$8270_TCLR	Naphthalene	NY / 375-6.8 Semivolatiles / Residential Restricted	1300000	49000	100000	100000	ug/Kg
CU39068	\$8270_TCLR	Phenanthrene	NY / 375-6.8 Semivolatiles / Residential Restricted	740000	49000	100000	100000	ug/Kg
CU39068	\$8270_TCLR	Fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	180000	49000	100000	100000	ug/Kg
CU39068	\$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	24000	4900	500	500	ug/Kg
CU39068	\$8270_TCLR	Anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	140000	4900	100000	100000	ug/Kg
CU39068	\$8270_TCLR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	21000	4900	3900	3900	ug/Kg
CU39068	\$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	54000	4900	1000	1000	ug/Kg
CU39068	\$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	72000	4900	1000	1000	ug/Kg
CU39068	\$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	99000	4900	1000	1000	ug/Kg
CU39068	\$8270_TCLR	Acenaphthene	NY / 375-6.8 Semivolatiles / Residential Restricted	250000	49000	100000	100000	ug/Kg
CU39068	\$8270_TCLR	Pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	290000	49000	100000	100000	ug/Kg
CU39068	\$8270_TCLR	Fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	180000	49000	100000	100000	ug/Kg
CU39068	\$8270_TCLR	Phenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	700	330	330	ug/Kg
CU39068	\$8270_TCLR	Phenanthrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	740000	49000	100000	100000	ug/Kg
CU39068	\$8270_TCLR	2-Methylphenol (o-cresol)	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1300	330	330	ug/Kg
CU39068	\$8270_TCLR	3&4-Methylphenol (m&p-cresol)	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1300	330	330	ug/Kg
CU39068	\$8270_TCLR	Pentachlorophenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1300	800	800	ug/Kg
CU39068	\$8270_TCLR	Naphthalene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1300000	49000	12000	12000	ug/Kg
CU39068	\$8270_TCLR	Acenaphthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	250000	49000	20000	20000	ug/Kg
CU39068	\$8270_TCLR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	21000	4900	800	800	ug/Kg
CU39068	\$8270_TCLR	Anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	140000	4900	100000	100000	ug/Kg
CU39068	\$8270_TCLR	Fluorene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	290000	49000	30000	30000	ug/Kg
CU39068	\$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	99000	4900	1000	1000	ug/Kg
CU39068	\$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	72000	4900	1000	1000	ug/Kg
CU39068	\$8270_TCLR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	8700	3500	330	330	ug/Kg
CU39068	\$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	54000	4900	1000	1000	ug/Kg
CU39068	\$8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	97000	4900	1000	1000	ug/Kg
CU39068	\$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	24000	4900	500	500	ug/Kg
CU39068	\$8270_TCLR	Hexachlorobenzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	700	330	330	ug/Kg
CU39068	\$DIOX_SMR	1,4-dioxane	NY / 375-6.8 Volatiles / Commercial	ND	530000	130000	130000	ug/kg
CU39068	\$DIOX_SMR	1,4-dioxane	NY / 375-6.8 Volatiles / Residential Restricted	ND	530000	13000	13000	ug/kg
CU39068	\$DIOX_SMR	1,4-dioxane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	530000	100	100	ug/kg

Sample Criteria Exceedances Report

Criteria: NY: 375, 375COM, 375RRS

GCU39065 - AES-EASTSIDE

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CU39068	\$NYADDSM	1,2,4-Trimethylbenzene	NY / 375-6.8 Volatiles / Residential Restricted	81000	67000	52000	52000	ug/Kg
CU39068	\$NYADDSM	1,2,4-Trimethylbenzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	81000	67000	3600	3600	ug/Kg
CU39068	\$NYADDSM	1,3,5-Trimethylbenzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	27000	8400	8400	8400	ug/Kg
CU39068	\$NYADDSM	n-Propylbenzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	6700	3900	3900	ug/Kg
CU39068	\$NYADDSM	tert-Butylbenzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	6700	5900	5900	ug/Kg
CU39068	\$PESTSM_NY	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	13	3.3	3.3	ug/Kg
CU39068	\$PESTSM_NY	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	8.8	3.3	3.3	ug/Kg
CU39068	\$PESTSM_NY	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	8.8	3.3	3.3	ug/Kg
CU39068	\$PESTSM_NY	Aldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	8.8	5	5	ug/Kg
CU39068	\$PESTSM_NY	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	8.8	5	5	ug/Kg
CU39068	\$PESTSM_NY	Endrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	22	14	14	ug/Kg
CU39068	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	153	0.8	50	50	mg/kg
CU39068	HG-SMDMA	Mercury	NY / 375-6.8 Metals / Residential Restricted	1.17	0.1	0.81	0.81	mg/Kg
CU39068	HG-SMDMA	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	1.17	0.1	0.18	0.18	mg/Kg
CU39068	PB-SM	Lead	NY / 375-6.8 Metals / Commercial	1210	0.39	1000	1000	mg/Kg
CU39068	PB-SM	Lead	NY / 375-6.8 Metals / Residential Restricted	1210	0.39	400	400	mg/Kg
CU39068	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	1210	0.39	63	63	mg/Kg
CU39068	TCLP-PB	TCLP Lead	EPA / 40 CFR 261.24 / Toxicity Characteristics	8.99	0.10	5	5	mg/L
CU39068	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	373	0.8	109	109	mg/Kg
CU39069	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	58.2	0.8	50	50	mg/kg
CU39070	\$PCB_SMR	PCB-1254	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	120	70	100	100	ug/Kg
CU39070	\$PESTSM_NY	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	5.6	2.1	3.3	3.3	ug/Kg
CU39070	\$PESTSM_NY	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	4.8	2.1	3.3	3.3	ug/Kg
CU39070	\$PESTSM_NY	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	12	2.1	3.3	3.3	ug/Kg
CU39070	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	125	0.8	50	50	mg/kg
CU39070	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	38.4	0.38	30	30	mg/Kg
CU39070	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	75.9	0.38	63	63	mg/Kg

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

