

- Final -

**Field Sampling Summary Report
for
Phase II Subsurface Corridor Investigation for Combined Sewer Replacement
and Extension and Water Main Replacement in East 142nd Street and
Southern Boulevard
Bronx, New York**

DDC PROJECT NO. HED593

DDC TASK ID. 2025OEHS1847-01

WOL No. OEHS-20248803584-WOL-0115

CONTRACT REGISTRATION NO. 20248803584

Prepared for:



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PROJECT NO. US0023336.4525

March 9, 2026

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1.0 INTRODUCTION

At the request of the New York City Department of Design and Construction (DDC), Louis Berger U.S., Inc., a WSP Company (Louis Berger) prepared this Field Sampling Summary Report (FSSR) for the HED593 Phase II Subsurface Corridor Investigation (SCI) for the approximate 0.48-mile (2,535-foot) long Corridor located in the Mott Haven section of the Borough of the Bronx, New York (hereinafter referred to as the “Corridor”). This FSSR documents field sampling activities, including the advancement of soil borings, the screening of soils, and the collection and analyses of soil samples.

1.1 Project Description

The proposed infrastructure improvement activities for the HED593 project include the replacement and extension of combined sewers and replacement of distribution water mains to improve water quality in the area. The scope of the HED593 activities consists of the advancement of soil borings in order to characterize the potential presence of environmental contamination and facilitate the removal and disposal of the material located within the Corridor.

Based on discussions with the DDC Project Manager, the advancement of five soil borings from depths ranging from 15 to 20 feet below grade (ftbg) were proposed to characterize soils.

2.0 FIELD ACTIVITIES

Louis Berger provided oversight for the advancement of five soil borings and collected soil samples during the field investigation conducted on February 12, 2026, in the vicinity of the planned construction. Drilling services for the advancement of the soil borings were provided by Aquifer Drilling & Testing, Inc. (ADT).

2.1 Utility Mark-Outs

Prior to the beginning of invasive field activities, ADT contacted the New York one-call center to mark-out utilities beneath the sidewalk at each boring location. Additionally, all five soil boring locations were pre-cleared with a geophysical survey and hand-cleared utilizing evasive methods such as hand augers and/or air knife to ensure the clearance of sensitive subsurface utility lines and features.

2.2 Soil Sampling and Analysis

The advancement of five soil borings (SB01 through SB05) was conducted utilizing evasive methods, which included the use of hand auger tools. Soil borings were proposed to terminal depths ranging from 15 ftbg to 20 ftbg. However, due to refusals of possible bedrock, soil borings were advanced to terminal depths ranging from 1.5 ftbg to 3.5 ftbg. Soils were screened along the vertical length of the soil column using a photoionization detector (PID) and visual/olfactory senses.

One grab and one composite soil samples were collected from each boring for laboratory analysis. The grab soil samples were collected from the 6-inch interval above the refusal. The composite soil sample was prepared by homogenizing the entire length of the soil column for each soil boring. Grab and composite samples were identified as SB01 to SB05, respectively.

All equipment was decontaminated by rinsing with deionized water, scrubbing with an Alconox® solution, and rinsing with deionized water a second time between each sample location to prevent cross-contamination.

The grab and composite soil samples were collected from the following intervals:

Boring ID	Proposed Depth of Boring (ftbg)	Depth of Boring (ftbg)	Grab Sample Interval (ftbg)	Composite Sample Interval (ftbg)
SB01	20	3.0	2.5 – 3.0	0.0 – 3.0
SB02	20	3.0	2.5 – 3.0	0.0 – 3.0
SB03	20	3.0	2.5 – 3.0	0.0 – 3.0
SB04	20	1.5	1.0 – 1.5	0.0 – 1.5
SB05	15	3.5	3.0 – 3.5	0.0 – 3.5

The soil samples were transferred into laboratory-supplied sample jars and properly labeled. The samples were stored with ice in a cooler to preserve the samples at approximately 4 degrees Celsius prior to and during shipment. A chain-of-custody was prepared prior to sample shipment. Soil samples were delivered to the lab at the completion of the field activities by Louis Berger. Laboratory analyses for soil were provided by Hampton-Clarke, Inc. (HC) of Fairfield, New Jersey, which is a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP)-certified analytical laboratory (No. 11408).

The grab soil samples SB01 through SB05 were analyzed for Target Compound List (TCL) Volatile Organic Compounds (VOCs) using United States Environmental Protection Agency (USEPA) Method 8260C or an updated method. The composite soil samples were analyzed for Polycyclic Aromatic Hydrocarbons (PAHs) by USEPA Method 8270C, Total Petroleum Hydrocarbons-Diesel Range Organics/Gasoline Range Organics (TPH-DRO/GRO) by USEPA Method 8015B, Polychlorinated Biphenyls (PCBs) by USEPA Method 8082A/608, Toxicity Characteristic Leaching Procedure (TCLP) Metals (Resource Conservation and Recovery Act [RCRA] 8) by USEPA Method 1311/6010B, RCRA Characteristics, including ignitability, reactivity and corrosivity, by USEPA Methods 9012B/9034, 1030/1010A, and 9045C, respectively, as well as Paint Filter Test by USEPA Method 9095B, for waste classification purposes. The USEPA methods described above, or an updated version of the method, were used to analyze each sample.

2.3 Analytical Results

Analytical laboratory results indicated that the following exceedance was identified in soil:

- TCLP lead was detected above the applicable RCRA Hazardous Waste Action Level of 5 milligrams per liter (mg/L) in one soil sample, SB04, with a concentration of 10 mg/L.

- All other soil grab and composite samples exhibited analytical results below the applicable regulatory standards.

3.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the evaluation of the field screening data and the laboratory analytical results, and a comparison to applicable regulatory standards, the following conclusions and recommendations are presented:

- The contract documents should identify provisions and a contingency for managing, handling, transporting, and disposing of any hazardous contaminated soils. The Contractor should be required to submit a Material Handling Plan (MHP) to identify the specific protocol and procedures that will be employed to manage the waste in accordance with applicable regulations;
- Dust control procedures are recommended and should be implemented during excavation activities to minimize the creation and dispersion of fugitive airborne dust. The Contractor should implement dust control measures to minimize potential airborne contaminants (i.e., VOCs, PAHs, TPH, and metals) released into the ambient environment as a direct result of construction activities. A Community Air Monitoring Plan (CAMP) should be developed in accordance with NYSDEC DER-10 Regulations. The CAMP requires real-time monitoring for particulates (i.e., VOCs and dust) at the downwind perimeter of each designated work area when certain activities are in progress at contaminated sites. The CAMP is intended to provide a measure of protection for the area of the surrounding community located downwind from the potential release of airborne contaminants;
- Before beginning any excavation activity, the contractor should submit a Corridor-specific environmental health and safety plan (EHASP) that will meet the requirements set forth by the Occupational, Safety and Health Administration (OSHA), the New York State Department of Health (NYSDOH) and any other applicable regulations. The EHASP should identify the possible locations and risks associated with the potential contaminants that may be encountered, and the administrative and engineering controls that will be utilized to mitigate concerns;
- Laboratory analytical results indicated soil sample SB04 exhibited evidence of the hazardous waste characteristic for toxicity, as discussed above and identified in Table 5. Upon commencement of the soil disposal activities, the material shall be properly disposed of at a USEPA-approved RCRA-Part B TSD facility. Moreover, lithology indicates the presence of fill material in all soil borings; therefore, the TCLP lead may be attributed to contaminants related to fill material; and,

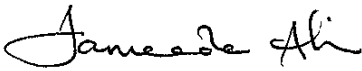
- The soil pre-characterization results should be presented to disposal facilities for classification and acceptance in accordance with the individual facility permit requirements and State and Federal regulations.

The data presented, and the opinions expressed in this report, are qualified as stated in the attachment to this section of the report and is considered a draft report pending the receipt of the final laboratory analytical data.

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Project Manager

STATEMENT OF LIMITATIONS

The data presented, and the opinions expressed in this report, are qualified as follows:

The sole purpose of the investigation and of this report is to assess the physical characteristics of the Corridor with respect to the presence or absence in the environment of oil or hazardous materials and substances as defined in the applicable state and federal environmental laws and regulations and to gather information regarding current and past environmental conditions at the Corridor.

Louis Berger derived the data in this report primarily from visual inspections, examination of records in the public domain, interviews with individuals with information about the Corridor, and a limited number of subsurface explorations made on the dates indicated. The passage of time, manifestation of latent conditions or occurrence of future events may require further exploration at the Corridor, analysis of the data, and reevaluation of the findings, observations, and conclusions expressed in the report.

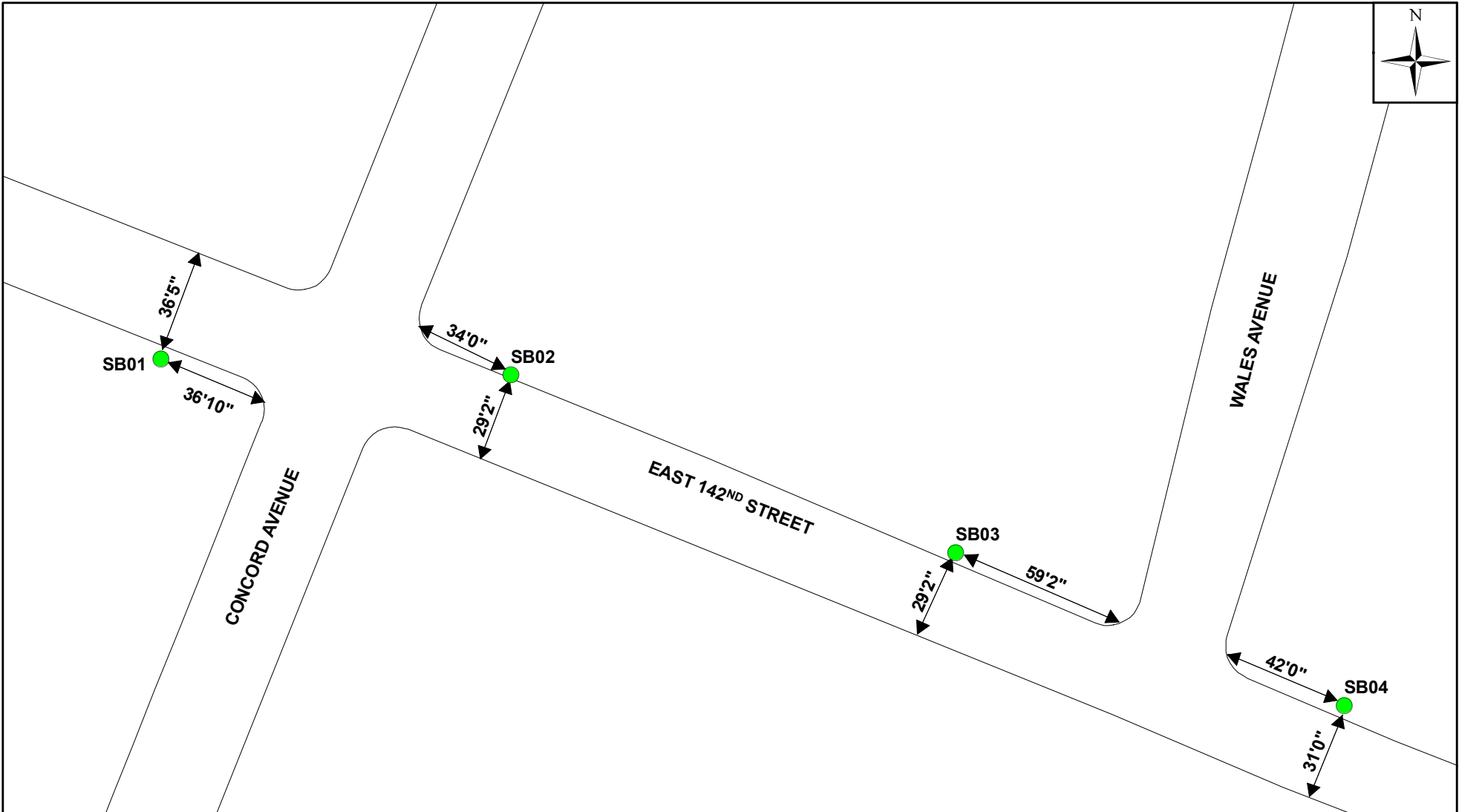
In preparing this report, Louis Berger has relied upon and presumed accurate certain information (or the absence thereof) about the Corridor and adjacent properties provided by governmental officials and agencies, the Client, and others identified herein. Except as otherwise stated in the report, Louis Berger has not attempted to verify the accuracy or completeness of any such information.


The data reported, and the findings, observations, and conclusions expressed in the report are limited by the Scope of Services, including the extent of subsurface exploration and other tests. The Scope of Services was defined by the requests of the Client, the time and budgetary constraints imposed by the Client, and the availability of access to the Corridor.

Because of the limitations stated above, the findings, observations, and conclusions expressed by Louis Berger in this report are not, and should not be considered, an opinion concerning the compliance of any past or present owner or operator of the site with any federal, state or local law or regulation. No warranty or guarantee, whether express or implied, is made with respect to the data reported or findings, observations, and conclusions expressed in this report. Further, such data, findings, observations, and conclusions are based solely upon site conditions in existence at the time of investigation.

This report has been prepared on behalf of and for the exclusive use of the Client and is subject to and issued in connection with the Agreement and the provisions thereof.

FIGURE 1 – BORING LOCATION PLAN



 Soil Boring Location



DDC PROJECT NO. HED593 WOL NO.:OEHS-20248803584-WOL-0115

SOIL BORING LOCATION PLAN
FIELD SAMPLING SUMMAR REPORT
FOR COMBINED SEWER REPLACEMENT AND
EXTENSION AND WATER MAIN REPLACEMENT IN
EAST 142ND STREET AND SOUTHERN BOULEVARD,
BRONX, NY

SCALE: 1" = 50' DATE: 03/09/2026 FIGURE: 1a



JACKSON AVENUE


CONCORD AVENUE

EAST 141ST STREET

194'10"

44'6"

SB05

 Soil Boring Location

NYC Department of
DDC Design and
Construction

 Louis Berger

DDC PROJECT NO. HED593 WOL NO.:OEHS-20248803584-WOL-0115

SOIL BORING LOCATION PLAN
FIELD SAMPLING SUMMARY REPORT
FOR COMBINED SEWER REPLACEMENT AND
EXTENSION AND WATER MAIN REPLACEMENT IN
EAST 142ND STREET AND SOUTHERN BOULEVARD,
BRONX, NY

SCALE: 1" = 50' DATE: 03/09/2026 FIGURE: 1b

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Table 1. Summary of Environmental Boring Data
Field Sampling Summary Report for Combined Sewer Replacement and Extension and
Water Main Replacement in East 142nd Street and Southern Boulevard Bronx, New York

Boring No.	Sample ID	High PID (ppm)	Sample Interval (ftbg)	Total VOCs (mg/kg)	Total PAHs (mg/kg)	TCLP Metals Exceed (Yes/No) ¹	Depth to Water (ftbg)	Total Depth (ftbg)	Other Comments
SB01	SB01	0	2.5 - 3.0	ND	-	No	NE	3.0	No visual or olfactory signs of contamination observed. Fill material was observed. Refusal at 3 ftbg due to possible bedrock.
			0.0 - 3.0	-	3.009				
SB02	SB02	0	2.5 - 3.0	0.0055	-	No	NE	3.0	No visual or olfactory signs of contamination observed. Fill material was observed. Refusal at 3 ftbg due to possible bedrock.
			0.0 - 3.0	-	2.997				
SB03	SB03	0	2.5 - 3.0	ND	-	No	NE	3.0	No visual or olfactory signs of contamination observed. Fill material was observed. Refusal at 3 ftbg due to possible bedrock.
			0.0 - 3.0	-	ND				
SB04	SB04	0	1.0 - 1.5	0.0511	-	Yes	NE	1.5	No visual or olfactory signs of contamination observed. Fill material was observed. Refusal at 1.5 ftbg due to possible bedrock.
			0.0 - 1.5	-	6.5				
SB05	SB05	0	3.0 - 3.5	ND	-	No	NE	3.5	No visual or olfactory signs of contamination observed. Fill material was observed. Refusal at 3.5 ftbg due to possible bedrock.
			3.0 - 3.5	-	2.437				

Notes:

¹ - TCLP metal(s) exceeds Resource Conservation and Recovery Act (RCRA) Hazardous Waste Levels.

All soil samples were analyzed for Target Compound List (TCL) Volatile Organic Compounds (VOCs), Polycyclic Aromatic Hydrocarbons (PAHs), Polychlorinated Biphenyls (PCBs), Toxicity Characteristic Leaching Procedure (TCLP) for Metals (RCRA 8), Total Petroleum Hydrocarbons, and RCRA Characteristics.

PID = Photoionization detector

ND = Not Detected

NE = Not Encountered

ftbg = feet below grade

mg/kg = milligram per kilogram

**Table 2. Summary of Target Compound List (TCL) Volatile Organic Compounds (VOCs) Detected in Soil
Field Sampling Summary Report for Combined Sewer Replacement and Extension and
Water Main Replacement in East 142nd Street and Southern Boulevard Bronx, New York**

TCL VOCs	Commercial Use (Track 2) Soil Cleanup Objectives (SCOs)	Sample ID, Date Collected, and Depth				
		SB01	SB02	SB03	SB04	SB05
		2/12/2026	2/12/2026	2/12/2026	2/12/2026	2/12/2026
		2.5 - 3.0	2.5 - 3.0	2.5 - 3.0	1.0 - 1.5	3.0 - 3.5
Acetone	500	ND	ND	ND	0.0450	ND
Methylene chloride	500	ND	0.0023	ND	0.0029	ND
Tetrachloroethene	81	ND	0.0032	ND	0.0032	ND

Notes:

All concentrations are in parts per million or milligrams per kilogram (ppm or mg/kg)

SCOs = Soil Cleanup Objectives as per the NYSDEC Regulations 6 NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives (Dec 31, 2025)

ND = Compound not detected above method detection limit (see attached lab report for MDLs)

Table 3. Summary of Polycyclic Aromatic Hydrocarbons (PAHs) Detected in Soil
Field Sampling Summary Report for Combined Sewer Replacement and Extension and
Water Main Replacement in East 142nd Street and Southern Boulevard Bronx, New York

TCL SVOCs	Commercial Use (Track 2) Soil Cleanup Objectives (SCOs)	Sample ID, Date Collected, and Depth				
		SB01	SB02	SB03	SB04	SB05
		2/12/2026	2/12/2026	2/12/2026	2/12/2026	2/12/2026
		0.0 - 3.0	0.0 - 3.0	0.0 - 3.0	0.0 - 1.5	0.0 - 3.5
Anthracene	500	0.049	0.067	ND	0.13	ND
Benzo[a]anthracene	37	0.27	0.3	ND	0.6	0.23
Benzo[a]pyrene	3.7	0.31	0.25	ND	0.55	0.23
Benzo[b]fluoranthene	37	0.4	0.34	ND	0.72	0.31
Benzo[g,h,i]perylene	47	0.2	0.15	ND	0.41	0.16
Benzo[k]fluoranthene	47	0.15	0.1	ND	0.2	0.11
Chrysene	47	0.27	0.32	ND	0.69	0.24
Dibenzo[a,h]anthracene	3.7	0.05	ND	ND	ND	0.037
Fluoranthene	500	0.46	0.5	ND	0.94	0.42
Indeno[1,2,3-cd]pyrene	37	0.21	0.16	ND	0.37	0.17
Phenanthrene	47	0.19	0.27	ND	0.69	0.14
Pyrene	500	0.45	0.54	ND	1.2	0.39

Notes:

All concentrations are in parts per million or milligrams per kilogram (ppm or mg/kg)

SCOs = Soil Cleanup Objectives as per the NYSDEC Regulations 6 NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives (December 31, 2025)

ND = Compound not detected above method detection limit (see attached lab report for MDLs)

Table 4. Summary of Polychlorinated Biphenyls (PCBs) Detected in Soil
Field Sampling Summary Report for Combined Sewer Replacement and Extension and
Water Main Replacement in East 142nd Street and Southern Boulevard Bronx, New York

PCBs	Commercial Use (Track 2) Soil Cleanup Objectives (SCOs)	Sample ID, Date Collected, and Depth				
		SB01	SB02	SB03	SB04	SB05
		2/12/2026	2/12/2026	2/12/2026	2/12/2026	2/12/2026
		0.0 - 3.0	0.0 - 3.0	0.0 - 3.0	0.0 - 1.5	0.0 - 3.5
PCBs (Total)*	1	ND	ND	ND	ND	ND

Notes:

All concentrations are in parts per million or milligrams per kilogram (ppm or mg/kg)

SCOs = Soil Cleanup Objectives as per the NYSDEC Regulations 6 NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives (December 31, 2025)

ND = Compound not detected above method detection limit (see attached lab report for MDLs)

* Refers to the total concentration of PCBs in the sample

Table 5. Summary of Waste Classification Results in Soil
Field Sampling Summary Report for Combined Sewer Replacement and Extension and
Water Main Replacement in East 142nd Street and Southern Boulevard Bronx, New York

Analyte	Resource Conservation and Recovery Act (RCRA) Hazardous Waste Levels	Sample ID, Date Collected, and Depth				
		SB01	SB02	SB03	SB04	SB05
		2/12/2026	2/12/2026	2/12/2026	2/12/2026	2/12/2026
		0.0 - 3.0	0.0 - 3.0	0.0 - 3.0	0.0 - 1.5	0.0 - 3.5
RCRA (Including TCLP Metals)						
pH	2 - 12.5*	7.7	6.0	8.3	7.5	8.6
Ignitability	>140 °F**	NEG	NEG	NEG	NEG	NEG
Paint Filter Test	NS	NEG	NEG	NEG	NEG	NEG
Reactive Cyanide	NS	ND	ND	ND	ND	ND
Reactive Sulfide	NS	ND	ND	ND	ND	ND
Arsenic	5	ND	ND	ND	ND	ND
Barium	100	0.76	ND	ND	0.6	0.6
Cadmium	1	ND	ND	ND	ND	ND
Chromium	5	ND	ND	ND	ND	ND
Lead	5	0.22	0.51	0.053	10	0.072
Mercury	0.2	ND	ND	ND	ND	ND
Selenium	1	ND	ND	ND	ND	ND
Silver	5	ND	ND	ND	ND	ND
TPH DRO/GRO (mg/kg)						
TPH-DRO	NS	150	82	ND	180	ND
TPH-GRO	NS	ND	ND	ND	ND	ND

Notes:

All concentrations are in parts per million, milligrams per kilogram, or milligrams per liter (ppm, mg/kg, or mg/L), unless otherwise noted

Shading = Concentration exceeds RCRA Hazardous Waste Levels

TCLP = Toxicity Characteristic Leaching Procedure

NS = No Standard

ND = Compound not detected above method detection limit (see attached lab report for MDLs)

*A solid waste exhibits the characteristic of corrosivity if it has a pH less than or equal to 2 or greater than or equal to 12.5

**A solid waste exhibits the characteristic of ignitability if it has flash point less than 140 °F

°F = Degrees Fahrenheit

APPENDIX A
GEOLOGIC BORING LOGS



Drilling Log

Page 1 of 1

BORING NO.: SB01

LOCATION: Bronx, NY

CLIENT: NYC Department of Design and Construction

PROJECT NO.: US0023336.4525

PROJECT: HED593 Ph II SCI Combined Sewer and Water Main Replacement

FMS ID#: HED593

DRILLING CONTRACTOR: Aquifer Drilling and Testing (Cascade Environmental)

WOL #: OEHS-20248803584-WOL-0115

DRILLING METHOD: Hand Auger

DATE STARTED: 2/12/2026

BOREHOLE DATA

WELL DATA

DATE FINISHED: 2/12/2026

Diameter (in): 6

Well Diameter (in): N/A

DRILLER: A. LaRocca

Total Depth (ft.): 3

Total Depth (ft.): N/A

LBA INSPECTOR: M. Silvestri

Depth to Refusal (ft.): 3

Screen Length (ft.): N/A

NORTHING (ft): 233583.439132

Depth to Water (ft.): N/A

Depth to Water (ft.): N/A

EASTING (ft): 1009039.058496

Depth to Rock (ft.): 3

Slot Size (in): N/A

SURFACE ELEVATION (ft): N/A

NOTES: Soil description based on Unified Soil Classification System (USCS), Burmister Classification and Munsell Rock Color Chart.

Well Construction	Depth (feet)	Lithology	USCS	Sample Interval	Sample Recovery	PID Reading (ppm)	Description and Stratigraphy	Remarks
	0 - 2		FILL			<1	Moderate brown (7.5YR 4/2), coarse to fine SAND, trace fine Gravel, moist.	Sand (Fill)
	2 - 3		FILL			<1	Moderate brown (7.5YR 4/2), coarse to fine SAND, little fine Gravel, moist.	Possible bedrock fragments observed. Grab sample SB01 collected from 2.5 to 3 ftbg and composite sample SB01 collected from 0 to 3 ftbg.
	3 - 6						Total Depth of Boring 3 feet.	



Drilling Log

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BORING NO.: SB02

LOCATION: Bronx, NY

CLIENT: NYC Department of Design and Construction		PROJECT NO.: US0023336.4525	
PROJECT: HED593 Ph II SCI Combined Sewer and Water Main Replacement		FMS ID#: HED593	
DRILLING CONTRACTOR: Aquifer Drilling and Testing (Cascade Environmental)		WOL #: OEHS-20248803584-WOL-0115	
DRILLING METHOD: Hand Auger		DATE STARTED: 2/12/2026	
BOREHOLE DATA		WELL DATA	
Diameter (in): 6		Well Diameter (in): N/A	DRILLER: A. LaRocca
Total Depth (ft.): 3		Total Depth (ft.): N/A	LBA INSPECTOR: M. Silvestri
Depth to Refusal (ft.): 3		Screen Length (ft.): N/A	NORTHING (ft): 233577.735694
Depth to Water (ft.): N/A		Depth to Water (ft.): N/A	EASTING (ft): 1009161.950362
Depth to Rock (ft.): 3		Slot Size (in): N/A	SURFACE ELEVATION (ft): N/A

NOTES: Soil description based on Unified Soil Classification System (USCS), Burmister Classification and Munsell Rock Color Chart.

Well Construction	Depth (feet)	Lithology	USCS	Sample Interval	Sample Recovery	PID Reading (ppm)	Description and Stratigraphy	Remarks
	0 - 2		FILL			<1	Moderate brown (7.5YR 4/2), coarse to fine SAND, trace fine Gravel, moist.	Sand (Fill) Gravelly Sand (Fill). Possible bedrock fragments observed. Grab sample SB02 collected from 2.5 to 3 ftbg and composite sample SB02 collected from 0 to 3 ftbg.
	2 - 3		FILL			<1	Moderate brown (7.5YR 4/2), coarse to fine SAND, some fine Gravel, moist.	
	3 - 6						Total Depth of Boring 3 feet.	



Drilling Log

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BORING NO.: SB03

LOCATION: Bronx, NY

CLIENT: NYC Department of Design and Construction	PROJECT NO.: US0023336.4525
PROJECT: HED593 Ph II SCI Combined Sewer and Water Main Replacement	FMS ID#: HED593
DRILLING CONTRACTOR: Aquifer Drilling and Testing (Cascade Environmental)	WOL #: OEHS-20248803584-WOL-0115
DRILLING METHOD: Hand Auger	DATE STARTED: 2/12/2026
BOREHOLE DATA	WELL DATA
Diameter (in): 6	Well Diameter (in): N/A
Total Depth (ft.): 3	Total Depth (ft.): N/A
Depth to Refusal (ft.): 3	Screen Length (ft.): N/A
Depth to Water (ft.): N/A	Depth to Water (ft.): N/A
Depth to Rock (ft.): 3	Slot Size (in): N/A
	DATE FINISHED: 2/12/2026
	DRILLER: A. LaRocca
	LBA INSPECTOR: M. Silvestri
	NORTHING (ft): 233515.485776
	EASTING (ft): 1009317.954572
	SURFACE ELEVATION (ft): N/A

NOTES: Soil description based on Unified Soil Classification System (USCS), Burmister Classification and Munsell Rock Color Chart.

Well Construction	Depth (feet)	Lithology	USCS	Sample Interval	Sample Recovery	PID Reading (ppm)	Description and Stratigraphy	Remarks
	0 - 2		FILL			<1	Moderate brown (7.5YR 4/2), coarse to fine SAND, trace fine Gravel, moist.	Sand (Fill)
	2 - 3		FILL			<1	Light brown (7.5YR 6/8), coarse to fine SAND, trace fine Gravel, moist.	Possible bedrock fragments observed. Grab sample SB03 collected from 2.5 to 3 ftbg and composite sample SB03 collected from 0 to 3 ftbg.
	3 - 6						Total Depth of Boring 3 feet.	



Drilling Log

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BORING NO.: SB04

LOCATION: Bronx, NY

CLIENT: NYC Department of Design and Construction

PROJECT NO.: US0023336.4525

PROJECT: HED593 Ph II SCI Combined Sewer and Water Main Replacement

FMS ID#: HED593

DRILLING CONTRACTOR: Aquifer Drilling and Testing (Cascade Environmental)

WOL #: OEHS-20248803584-WOL-0115

DRILLING METHOD: Hand Auger

DATE STARTED: 2/12/2026

BOREHOLE DATA

WELL DATA

DATE FINISHED: 2/12/2026

Diameter (in): 6

Well Diameter (in): N/A

DRILLER: A. LaRocca

Total Depth (ft.): 1.5

Total Depth (ft.): N/A

LBA INSPECTOR: M. Silvestri

Depth to Refusal (ft.): 1.5

Screen Length (ft.): N/A

NORTHING (ft): 233461.741753

Depth to Water (ft.): N/A

Depth to Water (ft.): N/A

EASTING (ft): 1009454.184786

Depth to Rock (ft.): 1.5

Slot Size (in): N/A

SURFACE ELEVATION (ft): N/A

NOTES: Soil description based on Unified Soil Classification System (USCS), Burmister Classification and Munsell Rock Color Chart.

Well Construction	Depth (feet)	Lithology	USCS	Sample Interval	Sample Recovery	PID Reading (ppm)	Description and Stratigraphy	Remarks
	0 - 1.5		FILL			<1	Moderate brown (7.5YR 4/2), coarse to fine SAND, trace fine Gravel, moist.	Sand (Fill). Possible bedrock fragments observed. Grab sample SB04 collected from 1 to 1.5 ftbg and composite sample SB04 collected from 0 to 1.5 ftbg.
	2 - 6						Total Depth of Boring 1.5 feet.	



Drilling Log

Page 1 of 1

BORING NO.: SB05

LOCATION: Bronx, NY

CLIENT: NYC Department of Design and Construction	PROJECT NO.: US0023336.4525
PROJECT: HED593 Ph II SCI Combined Sewer and Water Main Replacement	FMS ID#: HED593
DRILLING CONTRACTOR: Aquifer Drilling and Testing (Cascade Environmental)	WOL #: OEHS-20248803584-WOL-0115
DRILLING METHOD: Hand Auger	DATE STARTED: 2/12/2026
BOREHOLE DATA	WELL DATA
Diameter (in): 6	Well Diameter (in): N/A
Total Depth (ft.): 3.5	Total Depth (ft.): N/A
Depth to Refusal (ft.): 3.5	Screen Length (ft.): N/A
Depth to Water (ft.): N/A	Depth to Water (ft.): N/A
Depth to Rock (ft.): 3.5	Slot Size (in): N/A
	DATE FINISHED: 2/12/2026
	DRILLER: A. LaRocca
	LBA INSPECTOR: M. Silvestri
	NORTHING (ft): 233185.362856
	EASTING (ft): 1008892.824755
	SURFACE ELEVATION (ft): N/A

NOTES: Soil description based on Unified Soil Classification System (USCS), Burmister Classification and Munsell Rock Color Chart.

Well Construction	Depth (feet)	Lithology	USCS	Sample Interval	Sample Recovery	PID Reading (ppm)	Description and Stratigraphy	Remarks
	0		FILL			<1	Moderate brown (7.5YR 4/2), coarse to fine SAND, trace fine Gravel, moist.	Sand (Fill) Possible bedrock fragments observed. Grab sample SB05 collected from 3 to 3.5 ftbg and composite sample SB05 collected from 0 to 3.5 ftbg.
	2		FILL			<1	Light brown (7.5YR 6/8), coarse to fine SAND, trace fine Gravel, moist.	
	4						Total Depth of Boring 3.5 feet.	

APPENDIX B
LABORATORY ANALYTICAL RESULTS

Hampton-Clarke Report Of Analysis

Client: WSP USA, Inc.

HC Project #: 6021219

Project: NYCDDC HED593 Ph II SC

Sample ID: SB01 Grab
 Lab#: AD58234-001
 Matrix: Soil

Collection Date: 2/12/2026
 Receipt Date: 2/12/2026

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		92

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.984	mg/kg	0.0021	ND
1,1,2,2-Tetrachloroethane	0.984	mg/kg	0.0021	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.984	mg/kg	0.0021	ND
1,1,2-Trichloroethane	0.984	mg/kg	0.0021	ND
1,1-Dichloroethane	0.984	mg/kg	0.0021	ND
1,1-Dichloroethene	0.984	mg/kg	0.0021	ND
1,2,3-Trichlorobenzene	0.984	mg/kg	0.0021	ND
1,2,4-Trichlorobenzene	0.984	mg/kg	0.0021	ND
1,2-Dibromo-3-chloropropane	0.984	mg/kg	0.0021	ND
1,2-Dibromoethane	0.984	mg/kg	0.0011	ND
1,2-Dichlorobenzene	0.984	mg/kg	0.0021	ND
1,2-Dichloroethane	0.984	mg/kg	0.0021	ND
1,2-Dichloropropane	0.984	mg/kg	0.0021	ND
1,3-Dichlorobenzene	0.984	mg/kg	0.0021	ND
1,3-Dichloropropene (Total)	0.984	mg/kg	0.0021	ND
1,4-Dichlorobenzene	0.984	mg/kg	0.0021	ND
1,4-Dioxane	0.984	mg/kg	0.11	ND
2-Butanone	0.984	mg/kg	0.0021	ND
2-Hexanone	0.984	mg/kg	0.0021	ND
4-Methyl-2-pentanone	0.984	mg/kg	0.0021	ND
Acetone	0.984	mg/kg	0.011	ND
Benzene	0.984	mg/kg	0.0011	ND
Bromochloromethane	0.984	mg/kg	0.0021	ND
Bromodichloromethane	0.984	mg/kg	0.0021	ND
Bromoform	0.984	mg/kg	0.0021	ND
Bromomethane	0.984	mg/kg	0.0021	ND
Carbon disulfide	0.984	mg/kg	0.0053	ND
Carbon tetrachloride	0.984	mg/kg	0.0021	ND
Chlorobenzene	0.984	mg/kg	0.0021	ND
Chloroethane	0.984	mg/kg	0.0021	ND
Chloroform	0.984	mg/kg	0.0021	ND
Chloromethane	0.984	mg/kg	0.0021	ND
cis-1,2-Dichloroethene	0.984	mg/kg	0.0021	ND
cis-1,3-Dichloropropene	0.984	mg/kg	0.0021	ND
Cyclohexane	0.984	mg/kg	0.0021	ND
Dibromochloromethane	0.984	mg/kg	0.0021	ND
Dichlorodifluoromethane	0.984	mg/kg	0.0021	ND
Ethylbenzene	0.984	mg/kg	0.0011	ND
Isopropylbenzene	0.984	mg/kg	0.0011	ND
m&p-Xylenes	0.984	mg/kg	0.0015	ND
Methyl Acetate	0.984	mg/kg	0.0021	ND
Methylcyclohexane	0.984	mg/kg	0.0021	ND
Methylene chloride	0.984	mg/kg	0.0021	ND
Methyl-t-butyl ether	0.984	mg/kg	0.0011	ND
o-Xylene	0.984	mg/kg	0.0011	ND
Styrene	0.984	mg/kg	0.0021	ND
Tetrachloroethene	0.984	mg/kg	0.0021	ND

Sample ID: SB01 Grab
Lab#: AD58234-001
Matrix: Soil

Collection Date: 2/12/2026
Receipt Date: 2/12/2026

Toluene	0.984	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	0.984	mg/kg	0.0021	ND
trans-1,3-Dichloropropene	0.984	mg/kg	0.0021	ND
Trichloroethene	0.984	mg/kg	0.0021	ND
Trichlorofluoromethane	0.984	mg/kg	0.0021	ND
Vinyl chloride	0.984	mg/kg	0.0021	ND
Xylenes (Total)	0.984	mg/kg	0.0011	ND

Sample ID: SB01 Comp
 Lab#: AD58234-002
 Matrix: Soil

Collection Date: 2/12/2026
 Receipt Date: 2/12/2026

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		85

Diesel Range Organics 8015D(C10-C28)

Analyte	DF	Units	RL	Result		
Diesel Range Organics	1	mg/kg	71	150		
Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
O-Terphenyl	20.99	20	10	160	105	
Chlorobenzene	15.90	20	10	110	80	

Gasoline range organics 8015D(C6-C10)

Analyte	DF	Units	RL	Result		
Gasoline Range Organics	89.1	mg/kg	26	ND		
Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
1,4-Dichlorobenzene-d4	27.00	30	50	150	90	

Ignitability (EPA 1030)

Analyte	DF	Units	RL	Result
Burning Rate (mm/sec)	1			NA
Flame Propagation (POS/NEG)	1			NEG
Ignitability (POS/NEG)	1			NEG

Mercury (TCLP) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	mg/l	0.00050	ND

PAH Compounds 8270

Analyte	DF	Units	RL	Result
2-Methylnaphthalene	1	mg/kg	0.039	ND
Acenaphthene	1	mg/kg	0.039	ND
Acenaphthylene	1	mg/kg	0.039	ND
Anthracene	1	mg/kg	0.039	0.049
Benzo[a]anthracene	1	mg/kg	0.039	0.27
Benzo[a]pyrene	1	mg/kg	0.039	0.31
Benzo[b]fluoranthene	1	mg/kg	0.039	0.40
Benzo[g,h,i]perylene	1	mg/kg	0.039	0.20
Benzo[k]fluoranthene	1	mg/kg	0.039	0.15
Chrysene	1	mg/kg	0.039	0.27
Dibenzo[a,h]anthracene	1	mg/kg	0.039	0.050
Fluoranthene	1	mg/kg	0.039	0.46
Fluorene	1	mg/kg	0.039	ND
Indeno[1,2,3-cd]pyrene	1	mg/kg	0.039	0.21
Naphthalene	1	mg/kg	0.039	ND
Phenanthrene	1	mg/kg	0.039	0.19
Pyrene	1	mg/kg	0.039	0.45

Paint Filter Test 9095B

Analyte	DF	Units	RL	Result
Paint Filter Test	1			NEG

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.029	ND
Aroclor-1016	1	mg/kg	0.029	ND
Aroclor-1221	1	mg/kg	0.029	ND
Aroclor-1232	1	mg/kg	0.029	ND
Aroclor-1242	1	mg/kg	0.029	ND

Sample ID: SB01 Comp
 Lab#: AD58234-002
 Matrix: Soil

Collection Date: 2/12/2026
 Receipt Date: 2/12/2026

Aroclor-1248	1	mg/kg	0.029	ND
Aroclor-1254	1	mg/kg	0.029	ND
Aroclor-1260	1	mg/kg	0.029	ND
Aroclor-1262	1	mg/kg	0.029	ND
Aroclor-1268	1	mg/kg	0.029	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
TCMX-Surrogate	113.30	100	13	171	113	
TCMX-Surrogate	116.14	100	13	171	116	
DCB-Surrogate	118.13	100	10	186	118	
DCB-Surrogate	122.03	100	10	186	122	

pH 9045D

Analyte	DF	Units	RL	Result
pH	1	ph		7.7
Temperature	1	c		22.0

Reactive Cyanide

Analyte	DF	Units	RL	Result
Cyanide (Reactive)	1	mg/kg	0.50	ND

Reactive Sulfide

Analyte	DF	Units	RL	Result
Sulfide (Reactive)	1	mg/kg	100	ND

TCLP Metals 6010D

Analyte	DF	Units	RL	Result
Arsenic	1	mg/l	0.10	ND
Barium	1	mg/l	0.25	0.76
Cadmium	1	mg/l	0.050	ND
Chromium	1	mg/l	0.10	ND
Lead	1	mg/l	0.050	0.22
Selenium	1	mg/l	0.10	ND
Silver	1	mg/l	0.050	ND

Sample ID: SB02 Grab
 Lab#: AD58234-003
 Matrix: Soil

Collection Date: 2/12/2026
 Receipt Date: 2/12/2026

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		88

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.931	mg/kg	0.0021	ND
1,1,2,2-Tetrachloroethane	0.931	mg/kg	0.0021	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.931	mg/kg	0.0021	ND
1,1,2-Trichloroethane	0.931	mg/kg	0.0021	ND
1,1-Dichloroethane	0.931	mg/kg	0.0021	ND
1,1-Dichloroethene	0.931	mg/kg	0.0021	ND
1,2,3-Trichlorobenzene	0.931	mg/kg	0.0021	ND
1,2,4-Trichlorobenzene	0.931	mg/kg	0.0021	ND
1,2-Dibromo-3-chloropropane	0.931	mg/kg	0.0021	ND
1,2-Dibromoethane	0.931	mg/kg	0.0011	ND
1,2-Dichlorobenzene	0.931	mg/kg	0.0021	ND
1,2-Dichloroethane	0.931	mg/kg	0.0021	ND
1,2-Dichloropropane	0.931	mg/kg	0.0021	ND
1,3-Dichlorobenzene	0.931	mg/kg	0.0021	ND
1,3-Dichloropropene (Total)	0.931	mg/kg	0.0021	ND
1,4-Dichlorobenzene	0.931	mg/kg	0.0021	ND
1,4-Dioxane	0.931	mg/kg	0.11	ND
2-Butanone	0.931	mg/kg	0.0021	ND
2-Hexanone	0.931	mg/kg	0.0021	ND
4-Methyl-2-pentanone	0.931	mg/kg	0.0021	ND
Acetone	0.931	mg/kg	0.011	ND
Benzene	0.931	mg/kg	0.0011	ND
Bromochloromethane	0.931	mg/kg	0.0021	ND
Bromodichloromethane	0.931	mg/kg	0.0021	ND
Bromoform	0.931	mg/kg	0.0021	ND
Bromomethane	0.931	mg/kg	0.0021	ND
Carbon disulfide	0.931	mg/kg	0.0053	ND
Carbon tetrachloride	0.931	mg/kg	0.0021	ND
Chlorobenzene	0.931	mg/kg	0.0021	ND
Chloroethane	0.931	mg/kg	0.0021	ND
Chloroform	0.931	mg/kg	0.0021	ND
Chloromethane	0.931	mg/kg	0.0021	ND
cis-1,2-Dichloroethene	0.931	mg/kg	0.0021	ND
cis-1,3-Dichloropropene	0.931	mg/kg	0.0021	ND
Cyclohexane	0.931	mg/kg	0.0021	ND
Dibromochloromethane	0.931	mg/kg	0.0021	ND
Dichlorodifluoromethane	0.931	mg/kg	0.0021	ND
Ethylbenzene	0.931	mg/kg	0.0011	ND
Isopropylbenzene	0.931	mg/kg	0.0011	ND
m&p-Xylenes	0.931	mg/kg	0.0015	ND
Methyl Acetate	0.931	mg/kg	0.0021	ND
Methylcyclohexane	0.931	mg/kg	0.0021	ND
Methylene chloride	0.931	mg/kg	0.0021	0.0023
Methyl-t-butyl ether	0.931	mg/kg	0.0011	ND
o-Xylene	0.931	mg/kg	0.0011	ND
Styrene	0.931	mg/kg	0.0021	ND
Tetrachloroethene	0.931	mg/kg	0.0021	0.0032
Toluene	0.931	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	0.931	mg/kg	0.0021	ND
trans-1,3-Dichloropropene	0.931	mg/kg	0.0021	ND
Trichloroethene	0.931	mg/kg	0.0021	ND
Trichlorofluoromethane	0.931	mg/kg	0.0021	ND
Vinyl chloride	0.931	mg/kg	0.0021	ND
Xylenes (Total)	0.931	mg/kg	0.0011	ND

Sample ID: SB02 Grab
Lab#: AD58234-003
Matrix: Soil

Collection Date: 2/12/2026
Receipt Date: 2/12/2026

Sample ID: SB02 Comp
 Lab#: AD58234-004
 Matrix: Soil

Collection Date: 2/12/2026
 Receipt Date: 2/12/2026

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		84

Diesel Range Organics 8015D(C10-C28)

Analyte	DF	Units	RL	Result		
Diesel Range Organics	1	mg/kg	71	82		
Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
O-Terphenyl	30.77	20	10	160	77	
Chlorobenzene	25.36	20	10	110	63	

Gasoline range organics 8015D(C6-C10)

Analyte	DF	Units	RL	Result		
Gasoline Range Organics	89.3	mg/kg	27	ND		
Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
1,4-Dichlorobenzene-d4	28.32	30	50	150	94	

Ignitability (EPA 1030)

Analyte	DF	Units	RL	Result
Burning Rate (mm/sec)	1			NA
Flame Propagation (POS/NEG)	1			NEG
Ignitability (POS/NEG)	1			NEG

Mercury (TCLP) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	mg/l	0.00050	ND

PAH Compounds 8270

Analyte	DF	Units	RL	Result
2-Methylnaphthalene	1	mg/kg	0.040	ND
Acenaphthene	1	mg/kg	0.040	ND
Acenaphthylene	1	mg/kg	0.040	ND
Anthracene	1	mg/kg	0.040	0.067
Benzo[a]anthracene	1	mg/kg	0.040	0.30
Benzo[a]pyrene	1	mg/kg	0.040	0.25
Benzo[b]fluoranthene	1	mg/kg	0.040	0.34
Benzo[g,h,i]perylene	1	mg/kg	0.040	0.15
Benzo[k]fluoranthene	1	mg/kg	0.040	0.10
Chrysene	1	mg/kg	0.040	0.32
Dibenzo[a,h]anthracene	1	mg/kg	0.040	ND
Fluoranthene	1	mg/kg	0.040	0.50
Fluorene	1	mg/kg	0.040	ND
Indeno[1,2,3-cd]pyrene	1	mg/kg	0.040	0.16
Naphthalene	1	mg/kg	0.040	ND
Phenanthrene	1	mg/kg	0.040	0.27
Pyrene	1	mg/kg	0.040	0.54

Paint Filter Test 9095B

Analyte	DF	Units	RL	Result
Paint Filter Test	1			NEG

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.030	ND
Aroclor-1016	1	mg/kg	0.030	ND
Aroclor-1221	1	mg/kg	0.030	ND
Aroclor-1232	1	mg/kg	0.030	ND
Aroclor-1242	1	mg/kg	0.030	ND

Sample ID: SB02 Comp
 Lab#: AD58234-004
 Matrix: Soil

Collection Date: 2/12/2026
 Receipt Date: 2/12/2026

Aroclor-1248	1	mg/kg	0.030	ND
Aroclor-1254	1	mg/kg	0.030	ND
Aroclor-1260	1	mg/kg	0.030	ND
Aroclor-1262	1	mg/kg	0.030	ND
Aroclor-1268	1	mg/kg	0.030	ND
Surrogate	Conc.	Spike	Low Limit	High Limit
TCMX-Surrogate	117.00	100	13	171
TCMX-Surrogate	121.29	100	13	171
DCB-Surrogate	131.10	100	10	186
DCB-Surrogate	125.54	100	10	186

pH 9045D

Analyte	DF	Units	RL	Result
pH	1	ph		6.0
Temperature	1	c		23.5

Reactive Cyanide

Analyte	DF	Units	RL	Result
Cyanide (Reactive)	1	mg/kg	0.50	ND

Reactive Sulfide

Analyte	DF	Units	RL	Result
Sulfide (Reactive)	1	mg/kg	100	ND

TCLP Metals 6010D

Analyte	DF	Units	RL	Result
Arsenic	1	mg/l	0.10	ND
Barium	1	mg/l	0.25	ND
Cadmium	1	mg/l	0.050	ND
Chromium	1	mg/l	0.10	ND
Lead	1	mg/l	0.050	0.51
Selenium	1	mg/l	0.10	ND
Silver	1	mg/l	0.050	ND

Sample ID: SB03 Grab
 Lab#: AD58234-005
 Matrix: Soil

Collection Date: 2/12/2026
 Receipt Date: 2/12/2026

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		92

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.975	mg/kg	0.0021	ND
1,1,2,2-Tetrachloroethane	0.975	mg/kg	0.0021	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.975	mg/kg	0.0021	ND
1,1,2-Trichloroethane	0.975	mg/kg	0.0021	ND
1,1-Dichloroethane	0.975	mg/kg	0.0021	ND
1,1-Dichloroethene	0.975	mg/kg	0.0021	ND
1,2,3-Trichlorobenzene	0.975	mg/kg	0.0021	ND
1,2,4-Trichlorobenzene	0.975	mg/kg	0.0021	ND
1,2-Dibromo-3-chloropropane	0.975	mg/kg	0.0021	ND
1,2-Dibromoethane	0.975	mg/kg	0.0011	ND
1,2-Dichlorobenzene	0.975	mg/kg	0.0021	ND
1,2-Dichloroethane	0.975	mg/kg	0.0021	ND
1,2-Dichloropropane	0.975	mg/kg	0.0021	ND
1,3-Dichlorobenzene	0.975	mg/kg	0.0021	ND
1,3-Dichloropropene (Total)	0.975	mg/kg	0.0021	ND
1,4-Dichlorobenzene	0.975	mg/kg	0.0021	ND
1,4-Dioxane	0.975	mg/kg	0.11	ND
2-Butanone	0.975	mg/kg	0.0021	ND
2-Hexanone	0.975	mg/kg	0.0021	ND
4-Methyl-2-pentanone	0.975	mg/kg	0.0021	ND
Acetone	0.975	mg/kg	0.011	ND
Benzene	0.975	mg/kg	0.0011	ND
Bromochloromethane	0.975	mg/kg	0.0021	ND
Bromodichloromethane	0.975	mg/kg	0.0021	ND
Bromoform	0.975	mg/kg	0.0021	ND
Bromomethane	0.975	mg/kg	0.0021	ND
Carbon disulfide	0.975	mg/kg	0.0053	ND
Carbon tetrachloride	0.975	mg/kg	0.0021	ND
Chlorobenzene	0.975	mg/kg	0.0021	ND
Chloroethane	0.975	mg/kg	0.0021	ND
Chloroform	0.975	mg/kg	0.0021	ND
Chloromethane	0.975	mg/kg	0.0021	ND
cis-1,2-Dichloroethene	0.975	mg/kg	0.0021	ND
cis-1,3-Dichloropropene	0.975	mg/kg	0.0021	ND
Cyclohexane	0.975	mg/kg	0.0021	ND
Dibromochloromethane	0.975	mg/kg	0.0021	ND
Dichlorodifluoromethane	0.975	mg/kg	0.0021	ND
Ethylbenzene	0.975	mg/kg	0.0011	ND
Isopropylbenzene	0.975	mg/kg	0.0011	ND
m&p-Xylenes	0.975	mg/kg	0.0015	ND
Methyl Acetate	0.975	mg/kg	0.0021	ND
Methylcyclohexane	0.975	mg/kg	0.0021	ND
Methylene chloride	0.975	mg/kg	0.0021	ND
Methyl-t-butyl ether	0.975	mg/kg	0.0011	ND
o-Xylene	0.975	mg/kg	0.0011	ND
Styrene	0.975	mg/kg	0.0021	ND
Tetrachloroethene	0.975	mg/kg	0.0021	ND
Toluene	0.975	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	0.975	mg/kg	0.0021	ND
trans-1,3-Dichloropropene	0.975	mg/kg	0.0021	ND
Trichloroethene	0.975	mg/kg	0.0021	ND
Trichlorofluoromethane	0.975	mg/kg	0.0021	ND
Vinyl chloride	0.975	mg/kg	0.0021	ND
Xylenes (Total)	0.975	mg/kg	0.0011	ND

Sample ID: SB03 Grab
Lab#: AD58234-005
Matrix: Soil

Collection Date: 2/12/2026
Receipt Date: 2/12/2026

Sample ID: SB03 Comp
 Lab#: AD58234-006
 Matrix: Soil

Collection Date: 2/12/2026
 Receipt Date: 2/12/2026

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		91

Diesel Range Organics 8015D(C10-C28)

Analyte	DF	Units	RL	Result		
Diesel Range Organics	1	mg/kg	66	ND		
Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
O-Terphenyl	22.19	20	10	160	111	
Chlorobenzene	18.85	20	10	110	94	

Gasoline range organics 8015D(C6-C10)

Analyte	DF	Units	RL	Result		
Gasoline Range Organics	99	mg/kg	27	ND		
Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
1,4-Dichlorobenzene-d4	26.70	30	50	150	89	

Ignitability (EPA 1030)

Analyte	DF	Units	RL	Result
Burning Rate (mm/sec)	1			NA
Flame Propagation (POS/NEG)	1			NEG
Ignitability (POS/NEG)	1			NEG

Mercury (TCLP) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	mg/l	0.00050	ND

PAH Compounds 8270

Analyte	DF	Units	RL	Result
2-Methylnaphthalene	1	mg/kg	0.037	ND
Acenaphthene	1	mg/kg	0.037	ND
Acenaphthylene	1	mg/kg	0.037	ND
Anthracene	1	mg/kg	0.037	ND
Benzo[a]anthracene	1	mg/kg	0.037	ND
Benzo[a]pyrene	1	mg/kg	0.037	ND
Benzo[b]fluoranthene	1	mg/kg	0.037	ND
Benzo[g,h,i]perylene	1	mg/kg	0.037	ND
Benzo[k]fluoranthene	1	mg/kg	0.037	ND
Chrysene	1	mg/kg	0.037	ND
Dibenzo[a,h]anthracene	1	mg/kg	0.037	ND
Fluoranthene	1	mg/kg	0.037	ND
Fluorene	1	mg/kg	0.037	ND
Indeno[1,2,3-cd]pyrene	1	mg/kg	0.037	ND
Naphthalene	1	mg/kg	0.037	ND
Phenanthrene	1	mg/kg	0.037	ND
Pyrene	1	mg/kg	0.037	ND

Paint Filter Test 9095B

Analyte	DF	Units	RL	Result
Paint Filter Test	1			NEG

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.027	ND
Aroclor-1016	1	mg/kg	0.027	ND
Aroclor-1221	1	mg/kg	0.027	ND
Aroclor-1232	1	mg/kg	0.027	ND
Aroclor-1242	1	mg/kg	0.027	ND

Sample ID: SB03 Comp
 Lab#: AD58234-006
 Matrix: Soil

Collection Date: 2/12/2026
 Receipt Date: 2/12/2026

Aroclor-1248	1	mg/kg	0.027	ND
Aroclor-1254	1	mg/kg	0.027	ND
Aroclor-1260	1	mg/kg	0.027	ND
Aroclor-1262	1	mg/kg	0.027	ND
Aroclor-1268	1	mg/kg	0.027	ND
Surrogate	Conc.	Spike	Low Limit	High Limit
TCMX-Surrogate	205.89	100	13	171
TCMX-Surrogate	217.20	100	13	171
DCB-Surrogate	203.45	100	10	186
DCB-Surrogate	201.76	100	10	186

pH 9045D

Analyte	DF	Units	RL	Result
pH	1	ph		8.3
Temperature	1	c		22.0

Reactive Cyanide

Analyte	DF	Units	RL	Result
Cyanide (Reactive)	1	mg/kg	0.50	ND

Reactive Sulfide

Analyte	DF	Units	RL	Result
Sulfide (Reactive)	1	mg/kg	100	ND

TCLP Metals 6010D

Analyte	DF	Units	RL	Result
Arsenic	1	mg/l	0.10	ND
Barium	1	mg/l	0.25	ND
Cadmium	1	mg/l	0.050	ND
Chromium	1	mg/l	0.10	ND
Lead	1	mg/l	0.050	0.053
Selenium	1	mg/l	0.10	ND
Silver	1	mg/l	0.050	ND

Sample ID: SB04 Grab
 Lab#: AD58234-007
 Matrix: Soil

Collection Date: 2/12/2026
 Receipt Date: 2/12/2026

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		81

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.945	mg/kg	0.0023	ND
1,1,2,2-Tetrachloroethane	0.945	mg/kg	0.0023	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.945	mg/kg	0.0023	ND
1,1,2-Trichloroethane	0.945	mg/kg	0.0023	ND
1,1-Dichloroethane	0.945	mg/kg	0.0023	ND
1,1-Dichloroethene	0.945	mg/kg	0.0023	ND
1,2,3-Trichlorobenzene	0.945	mg/kg	0.0023	ND
1,2,4-Trichlorobenzene	0.945	mg/kg	0.0023	ND
1,2-Dibromo-3-chloropropane	0.945	mg/kg	0.0023	ND
1,2-Dibromoethane	0.945	mg/kg	0.0012	ND
1,2-Dichlorobenzene	0.945	mg/kg	0.0023	ND
1,2-Dichloroethane	0.945	mg/kg	0.0023	ND
1,2-Dichloropropane	0.945	mg/kg	0.0023	ND
1,3-Dichlorobenzene	0.945	mg/kg	0.0023	ND
1,3-Dichloropropene (Total)	0.945	mg/kg	0.0023	ND
1,4-Dichlorobenzene	0.945	mg/kg	0.0023	ND
1,4-Dioxane	0.945	mg/kg	0.12	ND
2-Butanone	0.945	mg/kg	0.0023	ND
2-Hexanone	0.945	mg/kg	0.0023	ND
4-Methyl-2-pentanone	0.945	mg/kg	0.0023	ND
Acetone	0.945	mg/kg	0.012	0.045
Benzene	0.945	mg/kg	0.0012	ND
Bromochloromethane	0.945	mg/kg	0.0023	ND
Bromodichloromethane	0.945	mg/kg	0.0023	ND
Bromoform	0.945	mg/kg	0.0023	ND
Bromomethane	0.945	mg/kg	0.0023	ND
Carbon disulfide	0.945	mg/kg	0.0058	ND
Carbon tetrachloride	0.945	mg/kg	0.0023	ND
Chlorobenzene	0.945	mg/kg	0.0023	ND
Chloroethane	0.945	mg/kg	0.0023	ND
Chloroform	0.945	mg/kg	0.0023	ND
Chloromethane	0.945	mg/kg	0.0023	ND
cis-1,2-Dichloroethene	0.945	mg/kg	0.0023	ND
cis-1,3-Dichloropropene	0.945	mg/kg	0.0023	ND
Cyclohexane	0.945	mg/kg	0.0023	ND
Dibromochloromethane	0.945	mg/kg	0.0023	ND
Dichlorodifluoromethane	0.945	mg/kg	0.0023	ND
Ethylbenzene	0.945	mg/kg	0.0012	ND
Isopropylbenzene	0.945	mg/kg	0.0012	ND
m&p-Xylenes	0.945	mg/kg	0.0016	ND
Methyl Acetate	0.945	mg/kg	0.0023	ND
Methylcyclohexane	0.945	mg/kg	0.0023	ND
Methylene chloride	0.945	mg/kg	0.0023	0.0029
Methyl-t-butyl ether	0.945	mg/kg	0.0012	ND
o-Xylene	0.945	mg/kg	0.0012	ND
Styrene	0.945	mg/kg	0.0023	ND
Tetrachloroethene	0.945	mg/kg	0.0023	ND
Toluene	0.945	mg/kg	0.0012	ND
trans-1,2-Dichloroethene	0.945	mg/kg	0.0023	ND
trans-1,3-Dichloropropene	0.945	mg/kg	0.0023	ND
Trichloroethene	0.945	mg/kg	0.0023	ND
Trichlorofluoromethane	0.945	mg/kg	0.0023	ND
Vinyl chloride	0.945	mg/kg	0.0023	ND
Xylenes (Total)	0.945	mg/kg	0.0012	ND

Sample ID: SB04 Grab
Lab#: AD58234-007
Matrix: Soil

Collection Date: 2/12/2026
Receipt Date: 2/12/2026

Sample ID: SB04 Comp
 Lab#: AD58234-008
 Matrix: Soil

Collection Date: 2/12/2026
 Receipt Date: 2/12/2026

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		80

Diesel Range Organics 8015D(C10-C28)

Analyte	DF	Units	RL	Result		
Diesel Range Organics	1	mg/kg	75	180		
Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
O-Terphenyl	14.15	20	10	160	71	
Chlorobenzene	11.14	20	10	110	56	

Gasoline range organics 8015D(C6-C10)

Analyte	DF	Units	RL	Result		
Gasoline Range Organics	94.5	mg/kg	30	ND		
Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
1,4-Dichlorobenzene-d4	28.11	30	50	150	94	

Ignitability (EPA 1030)

Analyte	DF	Units	RL	Result
Burning Rate (mm/sec)	1			NA
Flame Propagation (POS/NEG)	1			NEG
Ignitability (POS/NEG)	1			NEG

Mercury (TCLP) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	mg/l	0.00050	ND

PAH Compounds 8270

Analyte	DF	Units	RL	Result
2-Methylnaphthalene	3	mg/kg	0.12	ND
Acenaphthene	3	mg/kg	0.12	ND
Acenaphthylene	3	mg/kg	0.12	ND
Anthracene	3	mg/kg	0.12	0.13
Benzo[a]anthracene	3	mg/kg	0.12	0.60
Benzo[a]pyrene	3	mg/kg	0.12	0.55
Benzo[b]fluoranthene	3	mg/kg	0.12	0.72
Benzo[g,h,i]perylene	3	mg/kg	0.12	0.41
Benzo[k]fluoranthene	3	mg/kg	0.12	0.20
Chrysene	3	mg/kg	0.12	0.69
Dibenzo[a,h]anthracene	3	mg/kg	0.12	ND
Fluoranthene	3	mg/kg	0.12	0.94
Fluorene	3	mg/kg	0.12	ND
Indeno[1,2,3-cd]pyrene	3	mg/kg	0.12	0.37
Naphthalene	3	mg/kg	0.12	ND
Phenanthrene	3	mg/kg	0.12	0.69
Pyrene	3	mg/kg	0.12	1.2

Paint Filter Test 9095B

Analyte	DF	Units	RL	Result
Paint Filter Test	1			NEG

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.031	ND
Aroclor-1016	1	mg/kg	0.031	ND
Aroclor-1221	1	mg/kg	0.031	ND
Aroclor-1232	1	mg/kg	0.031	ND
Aroclor-1242	1	mg/kg	0.031	ND

Sample ID: SB04 Comp
 Lab#: AD58234-008
 Matrix: Soil

Collection Date: 2/12/2026
 Receipt Date: 2/12/2026

Aroclor-1248	1	mg/kg	0.031	ND
Aroclor-1254	1	mg/kg	0.031	ND
Aroclor-1260	1	mg/kg	0.031	ND
Aroclor-1262	1	mg/kg	0.031	ND
Aroclor-1268	1	mg/kg	0.031	ND
Surrogate	Conc.	Spike	Low Limit	High Limit
TCMX-Surrogate	113.72	100	13	171
TCMX-Surrogate	119.66	100	13	171
DCB-Surrogate	121.62	100	10	186
DCB-Surrogate	125.10	100	10	186

pH 9045D

Analyte	DF	Units	RL	Result
pH	1	ph		7.5
Temperature	1	c		22.3

Reactive Cyanide

Analyte	DF	Units	RL	Result
Cyanide (Reactive)	1	mg/kg	0.50	ND

Reactive Sulfide

Analyte	DF	Units	RL	Result
Sulfide (Reactive)	1	mg/kg	100	ND

TCLP Metals 6010D

Analyte	DF	Units	RL	Result
Arsenic	1	mg/l	0.10	ND
Barium	1	mg/l	0.25	0.60
Cadmium	1	mg/l	0.050	ND
Chromium	1	mg/l	0.10	ND
Lead	2	mg/l	0.10	10
Selenium	1	mg/l	0.10	ND
Silver	1	mg/l	0.050	ND

Sample ID: SB05 Grab
 Lab#: AD58234-009
 Matrix: Soil

Collection Date: 2/12/2026
 Receipt Date: 2/12/2026

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		92

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.916	mg/kg	0.0020	ND
1,1,2,2-Tetrachloroethane	0.916	mg/kg	0.0020	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.916	mg/kg	0.0020	ND
1,1,2-Trichloroethane	0.916	mg/kg	0.0020	ND
1,1-Dichloroethane	0.916	mg/kg	0.0020	ND
1,1-Dichloroethene	0.916	mg/kg	0.0020	ND
1,2,3-Trichlorobenzene	0.916	mg/kg	0.0020	ND
1,2,4-Trichlorobenzene	0.916	mg/kg	0.0020	ND
1,2-Dibromo-3-chloropropane	0.916	mg/kg	0.0020	ND
1,2-Dibromoethane	0.916	mg/kg	0.0010	ND
1,2-Dichlorobenzene	0.916	mg/kg	0.0020	ND
1,2-Dichloroethane	0.916	mg/kg	0.0020	ND
1,2-Dichloropropane	0.916	mg/kg	0.0020	ND
1,3-Dichlorobenzene	0.916	mg/kg	0.0020	ND
1,3-Dichloropropene (Total)	0.916	mg/kg	0.0020	ND
1,4-Dichlorobenzene	0.916	mg/kg	0.0020	ND
1,4-Dioxane	0.916	mg/kg	0.10	ND
2-Butanone	0.916	mg/kg	0.0020	ND
2-Hexanone	0.916	mg/kg	0.0020	ND
4-Methyl-2-pentanone	0.916	mg/kg	0.0020	ND
Acetone	0.916	mg/kg	0.010	ND
Benzene	0.916	mg/kg	0.0010	ND
Bromochloromethane	0.916	mg/kg	0.0020	ND
Bromodichloromethane	0.916	mg/kg	0.0020	ND
Bromoform	0.916	mg/kg	0.0020	ND
Bromomethane	0.916	mg/kg	0.0020	ND
Carbon disulfide	0.916	mg/kg	0.0050	ND
Carbon tetrachloride	0.916	mg/kg	0.0020	ND
Chlorobenzene	0.916	mg/kg	0.0020	ND
Chloroethane	0.916	mg/kg	0.0020	ND
Chloroform	0.916	mg/kg	0.0020	ND
Chloromethane	0.916	mg/kg	0.0020	ND
cis-1,2-Dichloroethene	0.916	mg/kg	0.0020	ND
cis-1,3-Dichloropropene	0.916	mg/kg	0.0020	ND
Cyclohexane	0.916	mg/kg	0.0020	ND
Dibromochloromethane	0.916	mg/kg	0.0020	ND
Dichlorodifluoromethane	0.916	mg/kg	0.0020	ND
Ethylbenzene	0.916	mg/kg	0.0010	ND
Isopropylbenzene	0.916	mg/kg	0.0010	ND
m&p-Xylenes	0.916	mg/kg	0.0014	ND
Methyl Acetate	0.916	mg/kg	0.0020	ND
Methylcyclohexane	0.916	mg/kg	0.0020	ND
Methylene chloride	0.916	mg/kg	0.0020	ND
Methyl-t-butyl ether	0.916	mg/kg	0.0010	ND
o-Xylene	0.916	mg/kg	0.0010	ND
Styrene	0.916	mg/kg	0.0020	ND
Tetrachloroethene	0.916	mg/kg	0.0020	ND
Toluene	0.916	mg/kg	0.0010	ND
trans-1,2-Dichloroethene	0.916	mg/kg	0.0020	ND
trans-1,3-Dichloropropene	0.916	mg/kg	0.0020	ND
Trichloroethene	0.916	mg/kg	0.0020	ND
Trichlorofluoromethane	0.916	mg/kg	0.0020	ND
Vinyl chloride	0.916	mg/kg	0.0020	ND
Xylenes (Total)	0.916	mg/kg	0.0010	ND

Sample ID: SB05 Grab
Lab#: AD58234-009
Matrix: Soil

Collection Date: 2/12/2026
Receipt Date: 2/12/2026

Sample ID: SB05 Comp
 Lab#: AD58234-010
 Matrix: Soil

Collection Date: 2/12/2026
 Receipt Date: 2/12/2026

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		91

Diesel Range Organics 8015D(C10-C28)

Analyte	DF	Units	RL	Result		
Diesel Range Organics	1	mg/kg	66	ND		
Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
O-Terphenyl	22.56	20	10	160	113	
Chlorobenzene	18.72	20	10	110	94	

Gasoline range organics 8015D(C6-C10)

Analyte	DF	Units	RL	Result		
Gasoline Range Organics	94	mg/kg	26	ND		
Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
1,4-Dichlorobenzene-d4	24.36	30	50	150	81	

Ignitability (EPA 1030)

Analyte	DF	Units	RL	Result
Burning Rate (mm/sec)	1			NA
Flame Propagation (POS/NEG)	1			NEG
Ignitability (POS/NEG)	1			NEG

Mercury (TCLP) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	mg/l	0.00050	ND

PAH Compounds 8270

Analyte	DF	Units	RL	Result
2-Methylnaphthalene	1	mg/kg	0.037	ND
Acenaphthene	1	mg/kg	0.037	ND
Acenaphthylene	1	mg/kg	0.037	ND
Anthracene	1	mg/kg	0.037	ND
Benzo[a]anthracene	1	mg/kg	0.037	0.23
Benzo[a]pyrene	1	mg/kg	0.037	0.23
Benzo[b]fluoranthene	1	mg/kg	0.037	0.31
Benzo[g,h,i]perylene	1	mg/kg	0.037	0.16
Benzo[k]fluoranthene	1	mg/kg	0.037	0.11
Chrysene	1	mg/kg	0.037	0.24
Dibenzo[a,h]anthracene	1	mg/kg	0.037	0.037
Fluoranthene	1	mg/kg	0.037	0.42
Fluorene	1	mg/kg	0.037	ND
Indeno[1,2,3-cd]pyrene	1	mg/kg	0.037	0.17
Naphthalene	1	mg/kg	0.037	ND
Phenanthrene	1	mg/kg	0.037	0.14
Pyrene	1	mg/kg	0.037	0.39

Paint Filter Test 9095B

Analyte	DF	Units	RL	Result
Paint Filter Test	1			NEG

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.027	ND
Aroclor-1016	1	mg/kg	0.027	ND
Aroclor-1221	1	mg/kg	0.027	ND
Aroclor-1232	1	mg/kg	0.027	ND
Aroclor-1242	1	mg/kg	0.027	ND

Sample ID: SB05 Comp
 Lab#: AD58234-010
 Matrix: Soil

Collection Date: 2/12/2026
 Receipt Date: 2/12/2026

Aroclor-1248	1	mg/kg	0.027	ND
Aroclor-1254	1	mg/kg	0.027	ND
Aroclor-1260	1	mg/kg	0.027	ND
Aroclor-1262	1	mg/kg	0.027	ND
Aroclor-1268	1	mg/kg	0.027	ND
Surrogate	Conc.	Spike	Low Limit	High Limit
TCMX-Surrogate	100.37	100	13	171
TCMX-Surrogate	103.79	100	13	171
DCB-Surrogate	100.52	100	10	186
DCB-Surrogate	104.21	100	10	186

pH 9045D

Analyte	DF	Units	RL	Result
pH	1	ph		8.6
Temperature	1	c		22.3

Reactive Cyanide

Analyte	DF	Units	RL	Result
Cyanide (Reactive)	1	mg/kg	0.50	ND

Reactive Sulfide

Analyte	DF	Units	RL	Result
Sulfide (Reactive)	1	mg/kg	100	ND

TCLP Metals 6010D

Analyte	DF	Units	RL	Result
Arsenic	1	mg/l	0.10	ND
Barium	1	mg/l	0.25	0.60
Cadmium	1	mg/l	0.050	ND
Chromium	1	mg/l	0.10	ND
Lead	1	mg/l	0.050	0.072
Selenium	1	mg/l	0.10	ND
Silver	1	mg/l	0.050	ND

