Field Sampling Summary Report

for

Phase II Soil Stockpile Waste Characterization for Gateway Estates Phase E Flatlands Avenue from Jerome Street to Schenck Avenue, etc.

Brooklyn, New York

DDC PROJECT NO. HD161E

WORK ORDER NO. OEHS-20201409799-WOL-281

CONTRACT REGISTRATION NO. 20201409799

Prepared for:

Department of Design and Construction

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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 HD161E Gateway Estates Phase E project, which consisted of a Phase II Stockpile Waste Characterization of stockpiles located within the NYC Department of Parks and Recreation (DPR) property on Flatlands Avenue in the East New York section of the Borough of Brooklyn, New York (hereinafter referred to as the "Site"). 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 scope of the HD161E 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 stockpiles located within the Site.

Based on discussions with the DDC Project Manager, the advancement of 25 soil borings from depths ranging from 2 to 4 feet below grade (ftbg) were proposed to characterize soils.

2.0 FIELD ACTIVITIES

Louis Berger conducted the advancement of 25 soil borings using hand tools and collected soil samples during the field investigation conducted on October 18 and 19, 2022, divided among three areas – Stockpile 1 (SP1), Stockpile 2 (SP2), and site-wide stockpiled material (SW).

2.1 Utility Mark-Outs

As soil borings were advanced in stockpiles, and did not penetrate the ground surface, no utility mark-outs were completed.

2.2 Soil Sampling and Analysis

The advancement of 25 soil borings (SP1-01 to SP1-10, SP2-01 to SP2-10, and SW-01 to SW-05) was conducted utilizing evasive methods, which included the use of hand auger tools. The soil borings were divided among three areas, i.e., Stockpile 1 (SP1), Stockpile 2 (SP2), and site-wide stockpile material (SW) that was not observable prior to gaining access to the Site. Soil borings were proposed to a minimum depth of 2.0 ftbg and up to 4.0 ftbg. However, due to refusals of concrete debris and cobbles, soil borings were advanced to terminal depths ranging from 1.0 to 4.0 ftbg.

One grab and one composite soil samples were collected from each boring for laboratory analysis. The grab soil samples were collected from either the 6-inch interval above the proposed terminal depth of the boring (where recovery allowed) or the 6-inch interval above the refusal (when encountered). The composite soil sample was prepared by homogenizing the entire length of the soil boring for each soil boring. Grab and composite samples were identified as SP1-01 to SP1-10, SP2-01 to SP2-10, and SW-01 to SW-05 from stockpiles SP1, SP2 and SW, 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)
SP1-01	4	2.8	2.3 – 2.8	0.0 – 2.8
SP1-02	4	2.5	2.0 – 2.5	0.0 – 2.5
SP1-03	4	2.8	2.3 – 2.8	0.0 – 2.8
SP1-04	4	4.0	3.5 – 4.0	0.0 – 4.0
SP1-05	4	2.8	2.3 – 2.8	0.0 – 2.8
SP1-06	4	1.2	0.7 – 1.2	0.0 – 1.2
SP1-07	4	3.2	2.7 – 3.2	0.0 – 3.2
SP1-08	4	1.0	0.5 – 1.0	0.0 – 1.0
SP1-09	4	1.3	0.8 – 1.3	0.0 – 1.3
SP1-10	4	2.7	2.2 – 2.7	0.0 – 2.7
SP2-01	4	3.5	3.0 – 3.5	0.0 – 3.5
SP2-02	4	4.0	3.5 – 4.0	0.0 – 4.0
SP2-03	4	4.0	3.5 – 4.0	0.0 – 4.0
SP2-04	4	3.0	2.5 – 3.0	0.0 – 3.0
SP2-05	4	2.5	2.0 – 2.5	0.0 – 2.5
SP2-06	4	2.8	2.3 – 2.8	0.0 – 2.8
SP2-07	4	2.5	2.0 – 2.5	0.0 – 2.5
SP2-08	4	3.0	2.5 – 3.0	0.0 – 3.0
SP2-09	4	3.5	3.0 – 3.5	0.0 – 3.5
SP2-10	4	3.5	2.8 – 3.5	0.0 – 3.5
SW-01	4	1.8	1.3 – 1.8	0.0 – 1.8
SW-02	4	2.5	2.0 – 2.5	0.0 – 2.5
SW-03	4	1.0	0.5 – 1.0	0.0 – 1.0
SW-04	4	4.0	3.5 – 4.0	0.0 – 4.0
SW-05	4	1.5	1.0 – 1.5	0.0 – 1.5

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 was provided by Hampton-Clarke (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 SP1-01 through SP1-10, SP2-01 through SP2-10, and SW-01 through SW-05 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 exceedances were identified in soil:

- Benzo[a]pyrene was detected above the Commercial Use (Track 2) Soil Cleanup Objective (SCO) of 1.0 milligram per kilogram (mg/kg) in samples SP2-07 and SP2-08 with concentrations of 2.0 mg/kg and 4.2 mg/kg, respectively.

- Dibenzo[a,h]anthracene was detected above the Commercial Use (Track 2) SCO of 0.56 mg/kg in sample SP2-08 with a concentration of 0.65 mg/kg.

- TCLP lead was detected above the applicable RCRA Hazardous Waste Action Level of 5 milligrams per liter (mg/L) in two soil samples, SP2-02 and SP2-06, with concentrations of 6.9 mg/L and 8.4 mg/L, respectively.

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:

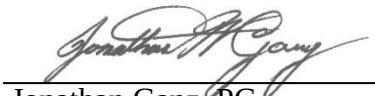
- The contract documents should identify provisions and a contingency for managing, handling, transporting, and disposing of any hazardous contaminated soils. The Contractor should be required to submit a Material Handling Plan to identify the specific protocol and procedures that will be employed to manage the waste in accordance with applicable regulations;

- Laboratory analytical results indicated soil samples SP2-02 and SP2-06 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 TSDF facility. Moreover, lithology indicates the presence of fill material in all soil borings; therefore, the TCLP lead and PAH detections may be attributed to contaminants related to fill material; and,

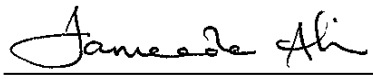
- The soil pre-characterization results should be presented to disposal facilities for classification and acceptance in accordance with the individual facility permit requirements and State and Federal regulations.

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 receival of the final laboratory analytical data.

Report Prepared By:



Jonathan Ganz, PG
Project Manager



Fameeda Ali, CHMM, ENV SP
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 Site 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 Site.

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 Site, 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 Site, 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 Site 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 Site.

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

NYC DDC Department of Design and Construction

Louis Berger

DDC PROJECT NO.: HD161E WOL NO.: OEHS-20201409799-WOL-281

SOIL BORING LOCATION PLAN

PHASE II SOIL STOCKPILE WASTE CHARACTERIZATION FOR GATEWAY ESTATES PHASE E, FLATLANDS AVENUE FROM SCHENCK AVENUE TO JEROME STREET, ETC., BROOKLYN, NY

SCALE: 1" = 100'	DATE: 11/02/2022	FIGURE: 1

TABLES

Table 1. Summary of Environmental Boring Data
Field Sampling Summary Report for Gateway Estates Phase E
Flatlands Avenue from Schenck Avenue to Jerome Street, etc., Brooklyn, 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
SP1-01	SP1-01	<1	2.3 - 2.8	ND	-	No	NE	2.8	No visual or olfactory signs of contamination observed. Fill material was observed. Refusal due to cobbles.
			0.0 - 2.8	-	1.92				
SP1-02	SP1-02	<1	2.0 - 2.5	ND	-	No	NE	2.5	No visual or olfactory signs of contamination observed. Fill material was observed. Refusal due to cobbles.
			0.0 - 2.5	-	1.611				
SP1-03	SP1-03	<1	2.3 - 2.8	0.0078	-	No	NE	2.8	No visual or olfactory signs of contamination observed. Anthropogenic fill material (asphalt) was observed. Refusal due to cobbles.
			0.0 - 2.8	-	1.804				
SP1-04	SP1-04	<1	3.5 - 4.0	ND	-	No	NE	4.0	No visual or olfactory signs of contamination observed. Anthropogenic fill material (plastic, rope) was observed.
			0.0 - 4.0	-	2.64				
SP1-05	SP1-05	<1	2.3 - 2.8	ND	-	No	NE	2.8	No visual or olfactory signs of contamination observed. Anthropogenic fill material (plastic, glass) was observed. Refusal due to cobbles.
			0.0 - 2.8	-	5.599				
SP1-06	SP1-06	<1	0.7 - 1.2	ND	-	No	NE	1.2	No visual or olfactory signs of contamination observed. Anthropogenic fill material (plastic) was observed. Refusal due to cobbles.
			0.0 - 1.2	-	4.56				
SP1-07	SP1-07	<1	2.7 - 3.2	ND	-	No	NE	3.2	No visual or olfactory signs of contamination observed. Fill material was observed. Refusal due to cobbles.
			0.0 - 3.2	-	3.30				
SP1-08	SP1-08	<1	0.5 - 1.0	ND	-	No	NE	1.0	No visual or olfactory signs of contamination observed. Fill material was observed. Refusal due to cobbles.
			0.0 - 1.0	-	5.04				
SP1-09	SP1-09	<1	0.9 - 1.4	ND	-	No	NE	1.4	No visual or olfactory signs of contamination observed. Fill material was observed. Refusal due to cobbles.
			0.0 - 1.4	-	7.165				
SP1-10	SP1-10	<1	2.3 - 2.8	ND	-	No	NE	2.8	No visual or olfactory signs of contamination observed. Anthropogenic fill material (plastic, glass) was observed. Refusal due to cobbles.
			0.0 - 2.8	-	3.978				
SP2-01	SP2-01	<1	3.0 - 3.5	ND	-	No	NE	3.5	No visual or olfactory signs of contamination observed. Fill material was observed. Refusal due to cobbles.
			0.0 - 3.5	-	6.05				
SP2-02	SP2-02	<1	3.5 - 4.0	ND	-	Yes	NE	4.0	No visual or olfactory signs of contamination observed. Anthropogenic fill material (metal) was observed.
			0.0 - 4.0	-	4.3				
SP2-03	SP2-03	<1	3.5 - 4.0	ND	-	No	NE	4.0	No visual or olfactory signs of contamination observed. Fill material was observed.
			0.0 - 4.0	-	1.44				
SP2-04	SP2-04	<1	2.5 - 3.0	ND	-	No	NE	3.0	No visual or olfactory signs of contamination observed. Fill material was observed. Refusal due to cobbles.
			0.0 - 3.0	-	4.77				
SP2-05	SP2-05	<1	2.0 - 2.5	ND	-	No	NE	2.5	No visual or olfactory signs of contamination observed. Anthropogenic fill material (plastic) was observed. Refusal due to cobbles.
			0.0 - 2.5	-	2.10				
SP2-06	SP2-06	<1	2.3 - 2.8	ND	-	Yes	NE	2.8	No visual or olfactory signs of contamination observed. Anthropogenic fill material (asphalt, glass) was observed. Refusal due to cobbles.
			0.0 - 2.8	-	2.671				
SP2-07	SP2-07	<1	2.0 - 2.5	ND	-	No	NE	2.5	No visual or olfactory signs of contamination observed. Fill material was observed. Refusal due to cobbles.
			0.0 - 2.5	-	23.489				

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

Table 1. Summary of Environmental Boring Data
Field Sampling Summary Report for Gateway Estates Phase E
Flatlands Avenue from Schenck Avenue to Jerome Street, etc., Brooklyn, 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
SP2-08	SP2-08	<1	2.5 - 3.0	ND	-	No	NE	3.0	No visual or olfactory signs of contamination observed. Anthropogenic fill material (glass, slag, shoe soles) was observed. Refusal due to cobbles.
			0.0 - 3.0	-	53.84				
SP2-09	SP2-09	<1	3.0 - 3.5	ND	-	No	NE	3.5	No visual or olfactory signs of contamination observed. Fill material was observed. Refusal due to cobbles.
			0.0 - 3.5	-	2.01				
SP2-10	SP2-10	<1	2.8 - 3.3	ND	-	No	NE	3.3	No visual or olfactory signs of contamination observed. Anthropogenic fill material (asphalt, rubber) was observed. Refusal due to cobbles.
			0.0 - 3.3	-	4.80				
SW-01	SW-01	<1	1.3 - 1.8	ND	-	No	NE	1.8	No visual or olfactory signs of contamination observed. Fill material was observed. Refusal due to cobbles.
			0.0 - 1.8	-	10.449				
SW-02	SW-02	<1	2.0 - 2.5	ND	-	No	NE	2.5	No visual or olfactory signs of contamination observed. Anthropogenic fill material (glass) was observed. Refusal due to cobbles.
			0.0 - 2.5	-	1.83				
SW-03	SW-03	<1	0.5 - 1.0	ND	-	No	NE	1.0	No visual or olfactory signs of contamination observed. Fill material was observed. Refusal due to cobbles.
			0.0 - 1.0	-	10.183				
SW-04	SW-04	<1	3.5 - 4.0	ND	-	No	NE	4.0	No visual or olfactory signs of contamination observed. Anthropogenic fill material (plastic, asphalt) was observed.
			0.0 - 4.0	-	5.19				
SW-05	SW-05	<1	1.0 - 1.5	ND	-	No	NE	1.5	No visual or olfactory signs of contamination observed. Fill material was observed. Refusal due to cobbles.
			0.0 - 1.5	-	10.99				

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
N/A = Not applicable
PID = Photoionization detector
ND = Not Detected
NE = Not Encountered
ftbg = feet below grade

Table 2. Summary of Target Compound List (TCL) Volatile Organic Compounds (VOCs) Detected in Soil
Field Sampling Summary Report for Gateway Estates Phase E
Flatlands Avenue from Schenck Avenue to Jerome Street, etc., Brooklyn, New York

TCL VOCs	Commercial Use (Track 2) Soil Cleanup Objectives (SCOs)	Sample ID, Date Collected, and Depth												
		SP1-01	SP1-02	SP1-03	SP1-04	SP1-05	SP1-06	SP1-07	SP1-08	SP1-09	SP1-10	SP2-01	SP2-02	SP2-03
		10/19/2022	10/19/2022	10/19/2022	10/19/2022	10/19/2022	10/19/2022	10/19/2022	10/19/2022	10/19/2022	10/19/2022	10/18/2022	10/18/2022	10/18/2022
		2.3 - 2.8	2.0 - 2.5	2.3 - 2.8	3.5 - 4.0	2.3 - 2.8	0.7 - 1.2	2.7 - 3.2	0.5 - 1.0	0.9 - 1.4	2.3 - 2.8	3.0 - 3.5	3.5 - 4.0	3.5 - 4.0
Methylene chloride	500	ND	ND	0.0078	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TCL VOCs	Commercial Use (Track 2) Soil Cleanup Objectives (SCOs)	Sample ID, Date Collected, and Depth											
		SP2-04	SP2-05	SP2-06	SP2-07	SP2-08	SP2-09	SP2-10	SW-01	SW-02	SW-03	SW-04	SW-05
		10/18/2022	10/18/2022	10/18/2022	10/18/2022	10/18/2022	10/18/2022	10/18/2022	10/18/2022	10/18/2022	10/18/2022	10/18/2022	10/18/2022
		2.5 - 3.0	2.0 - 2.5	2.3 - 2.8	2.0 - 2.5	2.5 - 3.0	3.0 - 3.5	2.8 - 3.3	1.3 - 1.8	2.0 - 2.5	0.5 - 1.0	3.5 - 4.0	1.0 - 1.5
Methylene chloride	500	ND	ND	ND	ND	ND	ND	ND	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 14, 2006)
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 Gateway Estates Phase E
Flatlands Avenue from Schenck Avenue to Jerome Street, etc., Brooklyn, New York

PAHs	Commercial Use (Track 2) Soil Cleanup Objectives (SCOs)	Sample ID, Date Collected, and Depth												
		SP1-01	SP1-02	SP1-03	SP1-04	SP1-05	SP1-06	SP1-07	SP1-08	SP1-09	SP1-10	SP2-01	SP2-02	SP2-03
		10/19/2022	10/19/2022	10/19/2022	10/19/2022	10/19/2022	10/19/2022	10/19/2022	10/19/2022	10/19/2022	10/19/2022	10/18/2022	10/18/2022	10/18/2022
		0.0 - 2.8	0.0 - 2.5	0.0 - 2.8	0.0 - 4.0	0.0 - 2.8	0.0 - 1.2	0.0 - 3.2	0.0 - 1.0	0.0 - 1.4	0.0 - 2.8	0.0 - 3.5	0.0 - 4.0	0.0 - 4.0
Acenaphthene	500	ND	ND	ND	ND	ND	ND	ND	0.044	0.064	ND	ND	ND	ND
Acenaphthylene	500	ND	ND	ND	ND	0.091	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	500	0.044	0.038	ND	ND	0.11	ND	ND	0.13	0.16	0.079	0.15	ND	ND
Benzo[a]anthracene	5.6	0.18	0.15	0.17	0.24	0.50	0.44	0.29	0.45	0.65	0.35	0.53	0.42	0.17
Benzo[a]pyrene	1	0.16	0.14	0.18	0.27	0.53	0.42	0.37	0.42	0.63	0.36	0.53	0.39	0.17
Benzo[b]fluoranthene	5.6	0.26	0.22	0.25	0.38	0.71	0.62	0.52	0.61	0.88	0.50	0.77	0.54	0.22
Benzo[g,h,i]perylene	500	0.11	0.093	0.13	0.17	0.36	0.27	0.28	0.25	0.37	0.22	0.26	0.19	ND
Benzo[k]fluoranthene	56	0.069	0.059	0.074	0.12	0.23	0.19	0.16	0.18	0.29	0.16	0.26	0.20	ND
Chrysene	56	0.17	0.14	0.17	0.22	0.49	0.41	0.29	0.43	0.63	0.36	0.56	0.39	0.15
Dibenzo[a,h]anthracene	0.56	ND	ND	ND	ND	0.095	ND	ND	0.072	0.12	0.060	ND	ND	ND
Fluoranthene	500	0.34	0.28	0.29	0.47	0.90	0.78	0.45	0.87	1.2	0.72	1.1	0.77	0.29
Fluorene	500	ND	ND	ND	ND	ND	ND	ND	0.041	0.054	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	5.6	0.097	0.081	0.10	0.15	0.32	0.24	0.25	0.23	0.34	0.20	0.25	0.17	ND
Naphthalene	500	ND	ND	0.010	ND	0.013	ND	ND	0.023	0.027	0.0091	ND	ND	ND
Phenanthrene	500	0.20	0.16	0.14	0.24	0.40	0.43	0.19	0.52	0.65	0.35	0.64	0.47	0.15
Pyrene	500	0.29	0.25	0.29	0.38	0.85	0.76	0.50	0.77	1.1	0.61	1.0	0.76	0.29

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 14, 2006)
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 Gateway Estates Phase E
Flatlands Avenue from Schenck Avenue to Jerome Street, etc., Brooklyn, New York

PAHs	Commercial Use (Track 2) Soil Cleanup Objectives (SCOs)	Sample ID, Date Collected, and Depth											
		SP2-04	SP2-05	SP2-06	SP2-07	SP2-08	SP2-09	SP2-10	SW-01	SW-02	SW-03	SW-04	SW-05
		10/18/2022	10/18/2022	10/18/2022	10/18/2022	10/18/2022	10/18/2022	10/18/2022	10/18/2022	10/18/2022	10/18/2022	10/18/2022	10/18/2022
		0.0 - 3.0	0.0 - 2.5	0.0 - 2.8	0.0 - 2.5	0.0 - 3.0	0.0 - 3.5	0.0 - 3.3	0.0 - 1.8	0.0 - 2.5	0.0 - 1.0	0.0 - 4.0	0.0 - 1.5
Acenaphthene	500	ND	ND	ND	0.19	0.31	ND	ND	0.10	ND	0.088	ND	0.13
Acenaphthylene	500	ND	ND	ND	ND	0.40	ND	ND	0.047	ND	0.059	ND	0.074
Anthracene	500	0.15	ND	0.065	0.55	1.9	0.045	0.11	0.25	0.039	0.24	ND	0.30
Benzo[a]anthracene	5.6	0.45	0.20	0.25	2.1	4.8	0.19	0.44	0.94	0.18	0.94	0.44	0.95
Benzo[a]pyrene	1	0.36	0.19	0.25	2.0	4.2	0.19	0.47	0.93	0.19	0.93	0.53	0.87
Benzo[b]fluoranthene	5.6	0.49	0.27	0.38	2.8	5.4	0.28	0.56	1.2	0.27	1.3	0.75	1.2
Benzo[g,h,i]perylene	500	0.16	0.14	0.13	1.3	2.1	0.10	0.32	0.63	0.098	0.46	0.40	0.39
Benzo[k]fluoranthene	56	0.18	ND	0.097	0.82	1.8	0.066	0.22	0.47	0.10	0.44	0.17	0.38
Chrysene	56	0.44	0.19	0.24	2.0	4.6	0.18	0.42	0.94	0.17	0.93	0.47	0.94
Dibenzo[a,h]anthracene	0.56	ND	ND	0.039	0.35	0.65	ND	ND	0.15	ND	0.14	ND	0.13
Fluoranthene	500	0.76	0.39	0.42	4.0	9.9	0.34	0.78	1.6	0.29	1.7	0.84	1.9
Fluorene	500	ND	ND	ND	0.14	0.48	ND	ND	0.077	ND	0.064	ND	0.11
Indeno[1,2,3-cd]pyrene	5.6	0.15	0.12	0.13	1.1	2.1	0.089	0.26	0.58	0.093	0.44	0.36	0.39
Naphthalene	500	ND	ND	0.010	0.039	ND	ND	ND	0.015	ND	0.012	ND	0.026
Phenanthrene	500	0.68	0.23	0.24	2.2	6.1	0.18	0.46	0.92	0.12	0.84	0.43	1.4
Pyrene	500	0.95	0.37	0.42	3.9	9.1	0.35	0.76	1.6	0.28	1.6	0.80	1.8

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 14, 2006)
ND = Compound not detected above method detection limit (see attached lab report for MDLs)
Shading = Concentration exceeds Commercial Use (Track 2) Soil Cleanup Objectives

Table 4. Summary of Polychlorinated Biphenyls (PCBs) Detected in Soil
Field Sampling Summary Report for Gateway Estates Phase E
Flatlands Avenue from Schenck Avenue to Jerome Street, etc., Brooklyn, New York

PCBs	Commercial Use (Track 2) Soil Cleanup Objectives (SCOs)	Sample ID, Date Collected, and Depth												
		SP1-01	SP1-02	SP1-03	SP1-04	SP1-05	SP1-06	SP1-07	SP1-08	SP1-09	SP1-10	SP2-01	SP2-02	SP2-03
		10/19/2022	10/19/2022	10/19/2022	10/19/2022	10/19/2022	10/19/2022	10/19/2022	10/19/2022	10/19/2022	10/19/2022	10/18/2022	10/18/2022	10/18/2022
		0.0 - 2.8	0.0 - 2.5	0.0 - 2.8	0.0 - 4.0	0.0 - 2.8	0.0 - 1.2	0.0 - 3.2	0.0 - 1.0	0.0 - 1.4	0.0 - 2.8	0.0 - 3.5	0.0 - 4.0	0.0 - 4.0
Aroclor (Total)*	1	ND	ND	0.101	0.14	ND	ND	ND	ND	0.060	ND	ND	ND	ND
Aroclor-1254	1	ND	ND	0.055	0.10	ND	ND	ND	ND	0.060	ND	ND	ND	ND
Aroclor-1262	1	ND	ND	0.046	0.041	ND	ND	ND	ND	ND	ND	ND	ND	ND

PCBs	Commercial Use (Track 2) Soil Cleanup Objectives (SCOs)	Sample ID, Date Collected, and Depth											
		SP2-04	SP2-05	SP2-06	SP2-07	SP2-08	SP2-09	SP2-10	SW-01	SW-02	SW-03	SW-04	SW-05
		10/18/2022	10/18/2022	10/18/2022	10/18/2022	10/18/2022	10/18/2022	10/18/2022	10/18/2022	10/18/2022	10/18/2022	10/18/2022	10/18/2022
		0.0 - 3.0	0.0 - 2.5	0.0 - 2.8	0.0 - 2.5	0.0 - 3.0	0.0 - 3.5	0.0 - 3.3	0.0 - 1.8	0.0 - 2.5	0.0 - 1.0	0.0 - 4.0	0.0 - 1.5
Aroclor (Total)	1	ND	ND	ND	ND	ND	ND	ND	0.29	0.20	0.18	0.052	0.064
Aroclor-1254	1	ND	ND	ND	ND	ND	ND	ND	0.20	0.14	0.18	ND	0.064
Aroclor-1262	1	ND	ND	ND	ND	ND	ND	ND	0.086	0.056	ND	0.052	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 14, 2006)
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 Gateway Estates Phase E
Flatlands Avenue from Schenck Avenue to Jerome Street, etc., Brooklyn, New York

Analyte	Resource Conservation and Recovery Act (RCRA) Hazardous Waste Levels	Sample ID, Date Collected, and Depth												
		SP1-01	SP1-02	SP1-03	SP1-04	SP1-05	SP1-06	SP1-07	SP1-08	SP1-09	SP1-10	SP2-01	SP2-02	SP2-03
		10/19/2022	10/19/2022	10/19/2022	10/19/2022	10/19/2022	10/19/2022	10/19/2022	10/19/2022	10/19/2022	10/19/2022	10/18/2022	10/18/2022	10/18/2022
		0.0 - 2.8	0.0 - 2.5	0.0 - 2.8	0.0 - 4.0	0.0 - 2.8	0.0 - 1.2	0.0 - 3.2	0.0 - 1.0	0.0 - 1.4	0.0 - 2.8	0.0 - 3.5	0.0 - 4.0	0.0 - 4.0
RCRA (Including TCLP Metals)														
pH	2 - 12.5*	6.8	7.1	8.3	8.6	8.3	8.3	8.6	8.1	8.1	8.4	8.5	8.8	8.1
Ignitability	>140 °F**	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG
Paint Filter Test	NS	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG
Reactive Cyanide	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Reactive Sulfide	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium	100	0.59	0.62	1.1	0.78	0.80	0.80	0.80	1.2	1.3	0.88	0.72	0.54	0.39
Cadmium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lead	5	0.65	0.32	0.35	0.22	0.34	0.060	0.089	0.20	0.35	0.16	0.26	6.9	0.17
Mercury	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Selenium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TPH DRO/GRO (mg/kg)														
TPH - Diesel Range Organics	NA	ND	ND	82	180	330	390	180	150	100	190	110	110	120
TPH - Gasoline Range Organics	NA	ND	ND	ND	ND	ND	ND	ND	ND	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
Shaded = Compound detected above the RCRA hazardous waste level
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
NEG = Negative (flash point was not detected below 140 °F) or Negative (Paint was not detected from Paint Filter Test)

Table 5. Summary of Waste Classification Results in Soil
Field Sampling Summary Report for Gateway Estates Phase E
Flatlands Avenue from Schenck Avenue to Jerome Street, etc., Brooklyn, New York

Analyte	Resource Conservation and Recovery Act (RCRA) Hazardous Waste Levels	Sample ID, Date Collected, and Depth											
		SP2-04	SP2-05	SP2-06	SP2-07	SP2-08	SP2-09	SP2-10	SW-01	SW-02	SW-03	SW-04	SW-05
		10/18/2022	10/18/2022	10/18/2022	10/18/2022	10/18/2022	10/18/2022	10/18/2022	10/18/2022	10/18/2022	10/18/2022	10/18/2022	10/18/2022
		0.0 - 3.0	0.0 - 2.5	0.0 - 2.8	0.0 - 2.5	0.0 - 3.0	0.0 - 3.5	0.0 - 3.3	0.0 - 1.8	0.0 - 2.5	0.0 - 1.0	0.0 - 4.0	0.0 - 1.5
RCRA (Including TCLP Metals)													
pH	2 - 12.5*	8	8.1	8.5	7.8	8.1	8.3	8	8.2	8	8.2	8.5	8.4
Ignitability	>140 °F**	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG
Paint Filter Test	NS	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG
Reactive Cyanide	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Reactive Sulfide	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium	100	0.52	0.61	0.53	0.43	0.64	0.59	0.47	0.83	0.84	0.72	0.55	0.87
Cadmium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lead	5	0.12	0.92	8.4	0.26	0.34	0.14	0.25	0.12	0.12	0.16	0.089	0.11
Mercury	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Selenium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TPH DRO/GRO (mg/kg)													
TPH - Diesel Range Organics	NA	100	120	67	1,300	240	150	210	92	ND	92	96	110
TPH - Gasoline Range Organics	NA	ND	ND	ND	ND	ND	ND	ND	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
Shaded = Compound detected above the RCRA hazardous waste level
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
NEG = Negative (flash point was not detected below 140 °F) or Negative (Paint was not detected from Paint Filter Test)

APPENDIX A
GEOLOGIC BORING LOGS

Drilling Log

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BORING NO.: SP1-01

LOCATION: Brooklyn, NY

CLIENT: NYC Department of Design and Construction			**PROJECT NO.:** 31402661.253
PROJECT: Phase II Soil Stockpile Waste Characterization for Gateway Estates Phase E			**FMS ID#:** HD161E
DRILLING CONTRACTOR: Louis Berger			**WOL #:** OEHS-20201409799-WOL-281
DRILLING METHOD: Hand Auger			**DATE STARTED:** 10/19/2022
BOREHOLE DATA	**WELL DATA**		**DATE FINISHED:** 10/19/2022
Diameter (in): 3.25	**Well Diameter (in):**	N/A	**DRILLER:** I. Arturo
Total Depth (ft.): 2.8	**Total Depth (ft.):**	N/A	**INSPECTOR:** J. Hampsey
Depth to Refusal (ft): 2.8	**Screen Length (ft):**	N/A	**NORTHING (ft):** 178191.1607
Depth to Water (ft.): N/A	**Depth to Water (ft.):**	N/A	**EASTING (ft):** 1018086.771
Depth to Rock (ft.): N/A	**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.
Refusal at 2.8 ftbg due to cobbles

Well Construction	Depth (feet)	Lithology	USCS	Sample Interval	Sample Recovery	PID Reading (ppm)	Description and Stratigraphy	Remarks
	1		FILL			<1	Moderate brown (5YR 4/4), coarse to fine SAND, little Silt, little coarse to fine Gravel, moist.	**Sand (Fill)**
	2		FILL			<1	Pale yellowish brown (10YR 6/2), coarse to fine SAND, little Silt, little coarse to fine Gravel, moist. Total Depth of Boring 2.8 feet.	**Collected grab sample SP1-01 from 2.3 to 2.8 ftbg and composite sample SP1-01 from 0 to 2.8 ftbg.**
	3							
	4							

Drilling Log

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BORING NO.: SP1-02

LOCATION: Brooklyn, NY

CLIENT: NYC Department of Design and Construction	**PROJECT NO.:** 31402661.253
PROJECT: Phase II Soil Stockpile Waste Characterization for Gateway Estates Phase E	**FMS ID#:** HD161E
DRILLING CONTRACTOR: Louis Berger	**WOL #:** OEHS-20201409799-WOL-281
DRILLING METHOD: Hand Auger	**DATE STARTED:** 10/19/2022
BOREHOLE DATA / **WELL DATA**	**DATE FINISHED:** 10/19/2022
Diameter (in): 3.25 / **Well Diameter (in):** N/A	**DRIILER:** I. Arturo
Total Depth (ft.): 2.5 / **Total Depth (ft.):** N/A	**INSPECTOR:** J. Hampsey
Depth to Refusal (ft): 2.5 / **Screen Length (ft):** N/A	**NORTHING (ft):** 178230.1031
Depth to Water (ft.): N/A / **Depth to Water (ft.):** N/A	**EASTING (ft):** 1018036.927
Depth to Rock (ft.): N/A / **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.
Refusal at 2.5 ftbg due to cobbles

Well Construction	Depth (feet)	Lithology	USCS	Sample Interval	Sample Recovery	PID Reading (ppm)	Description and Stratigraphy	Remarks
	1		FILL			<1	Moderate brown (5YR 4/4), coarse to fine SAND, trace Silt, trace coarse to fine Gravel, moist.	**Sand (Fill)**
	2		FILL			<1	Moderate brown (5YR 4/4), coarse to fine SAND, some Silt, trace coarse to fine Gravel, moist. Total Depth of Boring 2.5 feet.	**Silty Sand (Fill). Collected grab sample SP1-02 from 2.0 to 2.5 ftbg and composite sample SP1-02 from 0 to 2.5 ftbg.**
	3							
	4							

Drilling Log

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BORING NO.: SP1-03

LOCATION: Brooklyn, NY

CLIENT: NYC Department of Design and Construction			**PROJECT NO.:** 31402661.253
PROJECT: Phase II Soil Stockpile Waste Characterization for Gateway Estates Phase E			**FMS ID#:** HD161E
DRILLING CONTRACTOR: Louis Berger			**WOL #:** OEHS-20201409799-WOL-281
DRILLING METHOD: Hand Auger			**DATE STARTED:** 10/19/2022
BOREHOLE DATA	**WELL DATA**		**DATE FINISHED:** 10/19/2022
Diameter (in): 3.25	**Well Diameter (in):**	N/A	**DRILLER:** I. Arturo
Total Depth (ft.): 2.8	**Total Depth (ft.):**	N/A	**INSPECTOR:** J. Hampsey
Depth to Refusal (ft): 2.8	**Screen Length (ft):**	N/A	**NORTHING (ft):** 178171.3245
Depth to Water (ft.): N/A	**Depth to Water (ft.):**	N/A	**EASTING (ft):** 1017966.625
Depth to Rock (ft.): N/A	**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.
Refusal at 2.8 ftbg due to cobbles

Well Construction	Depth (feet)	Lithology	USCS	Sample Interval	Sample Recovery	PID Reading (ppm)	Description and Stratigraphy	Remarks
	1		Fill			<1	Moderate brown (5YR 3/4), coarse to fine SAND, some Silt, trace coarse to fine Gravel (3% fill material: asphalt), moist.	**Silty Sand (Fill)**
	2		Fill			<1	Moderate brown (5YR 3/4), coarse to fine SAND, little Silt, trace coarse to fine Gravel, wet.	**Sand (Fill). Collected grab sample SP1-03 from 2.3 to 2.8 ftbg and composite sample SP1-03 from 0 to 2.8 ftbg.**
							Total Depth of Boring 2.8 feet.	
	3							
	4							

Drilling Log

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BORING NO.: SP1-04

LOCATION: Brooklyn, NY

CLIENT: NYC Department of Design and Construction			**PROJECT NO.:** 31402661.253
PROJECT: Phase II Soil Stockpile Waste Characterization for Gateway Estates Phase E			**FMS ID#:** HD161E
DRILLING CONTRACTOR: Louis Berger			**WOL #:** OEHS-20201409799-WOL-281
DRILLING METHOD: Hand Auger			**DATE STARTED:** 10/19/2022
BOREHOLE DATA	**WELL DATA**		**DATE FINISHED:** 10/19/2022
Diameter (in): 3.25	**Well Diameter (in):**	N/A	**DRILLER:** I. Arturo
Total Depth (ft.): 4	**Total Depth (ft.):**	N/A	**INSPECTOR:** J. Hampsey
Depth to Refusal (ft): N/A	**Screen Length (ft):**	N/A	**NORTHING (ft):** 178178.7251
Depth to Water (ft.): N/A	**Depth to Water (ft.):**	N/A	**EASTING (ft):** 1017888.403
Depth to Rock (ft.): N/A	**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		Fill			<1	Moderate brown (5YR 4/4), coarse to fine SAND, some Silt, trace coarse to fine Gravel (3% fill material: plastic), moist.	**Silty Sand (Fill)**
	1		Fill			<1	Moderate brown (5YR 4/4), coarse to fine SAND, little Silt, trace coarse to fine Gravel (3% fill material: plastic), moist.	**Sand (Fill)**
	2		Fill			<1	Moderate brown (5YR 4/4), coarse to fine SAND, little Silt, trace coarse to fine Gravel (3% fill material: rope), moist.	**Collected grab sample SP1-04 from 3.5 to 4.0 ftbg and composite sample SP1-04 from 0 to 4.0 ftbg.**
	3							
	4						Total Depth of Boring 4 feet.	

Drilling Log

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BORING NO.: SP1-05

LOCATION: Brooklyn, NY

CLIENT: NYC Department of Design and Construction	**PROJECT NO.:** 31402661.253
PROJECT: Phase II Soil Stockpile Waste Characterization for Gateway Estates Phase E	**FMS ID#:** HD161E
DRILLING CONTRACTOR: Louis Berger	**WOL #:** OEHS-20201409799-WOL-281
DRILLING METHOD: Hand Auger	**DATE STARTED:** 10/19/2022
BOREHOLE DATA / **WELL DATA**	**DATE FINISHED:** 10/19/2022
Diameter (in): 3.25 / **Well Diameter (in):** N/A	**DRIILER:** I. Arturo
Total Depth (ft.): 2.8 / **Total Depth (ft.):** N/A	**INSPECTOR:** J. Hampsey
Depth to Refusal (ft): 2.8 / **Screen Length (ft):** N/A	**NORTHING (ft):** 178119.0862
Depth to Water (ft.): N/A / **Depth to Water (ft.):** N/A	**EASTING (ft):** 1017823.406
Depth to Rock (ft.): N/A / **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.
Refusal at 2.8 ftbg due to cobbles

Well Construction	Depth (feet)	Lithology	USCS	Sample Interval	Sample Recovery	PID Reading (ppm)	Description and Stratigraphy	Remarks
	1		FILL			<1	Dusky brown (5YR 2/2), medium to fine SAND, some Silt, trace coarse to fine Gravel (5% fill material: plastic, glass), moist.	**Silty Sand (Fill)**
	2		FILL			<1	Dusky brown (5YR 2/2), medium to fine SAND, some Silt, little coarse to fine Gravel, moist.	**Collected grab sample SP1-05 from 2.3 to 2.8 ftbg and composite sample SP1-05 from 0 to 2.8 ftbg.**
							Total Depth of Boring 2.8 feet.	
	3							
	4							

Drilling Log

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BORING NO.: SP1-06

LOCATION: Brooklyn, NY

CLIENT: NYC Department of Design and Construction	**PROJECT NO.:** 31402661.253
PROJECT: Phase II Soil Stockpile Waste Characterization for Gateway Estates Phase E	**FMS ID#:** HD161E
DRILLING CONTRACTOR: Louis Berger	**WOL #:** OEHS-20201409799-WOL-281
DRILLING METHOD: Hand Auger	**DATE STARTED:** 10/19/2022
BOREHOLE DATA / **WELL DATA**	**DATE FINISHED:** 10/19/2022
Diameter (in): 3.25 / **Well Diameter (in):** N/A	**DRIILER:** I. Arturo
Total Depth (ft.): 1.2 / **Total Depth (ft.):** N/A	**INSPECTOR:** J. Hampsey
Depth to Refusal (ft): 1.2 / **Screen Length (ft):** N/A	**NORTHING (ft):** 178103.0345
Depth to Water (ft.): N/A / **Depth to Water (ft.):** N/A	**EASTING (ft):** 1017750.126
Depth to Rock (ft.): N/A / **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.
Refusal at 1.2 ftbg due to cobbles

Well Construction	Depth (feet)	Lithology	USCS	Sample Interval	Sample Recovery	PID Reading (ppm)	Description and Stratigraphy	Remarks
	1		FILL			<1	Moderate brown (5YR 3/4), SILT, some coarse to fine Sand, little coarse to fine Gravel (3% fill material: plastic), moist. Total Depth of Boring 1.2 feet.	**Sandy Silt (Fill). Collected grab sample SP1-06 from 0.7 to 1.2 ftbg and composite sample SP1-06 from 0 to 1.2 ftbg.**
	2							
	3							
	4							

Drilling Log

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BORING NO.: SP1-07

LOCATION: Brooklyn, NY

CLIENT: NYC Department of Design and Construction	**PROJECT NO.:** 31402661.253
PROJECT: Phase II Soil Stockpile Waste Characterization for Gateway Estates Phase E	**FMS ID#:** HD161E
DRILLING CONTRACTOR: Louis Berger	**WOL #:** OEHS-20201409799-WOL-281
DRILLING METHOD: Hand Auger	**DATE STARTED:** 10/19/2022
BOREHOLE DATA / **WELL DATA**	**DATE FINISHED:** 10/19/2022
Diameter (in): 3.25 / **Well Diameter (in):** N/A	**DRIILER:** I. Arturo
Total Depth (ft.): 3.2 / **Total Depth (ft.):** N/A	**INSPECTOR:** J. Hampsey
Depth to Refusal (ft): 3.2 / **Screen Length (ft):** N/A	**NORTHING (ft):** 177999.9134
Depth to Water (ft.): N/A / **Depth to Water (ft.):** N/A	**EASTING (ft):** 1017874.453
Depth to Rock (ft.): N/A / **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.
Refusal at 3.2 ftbg due to cobbles

Well Construction	Depth (feet)	Lithology	USCS	Sample Interval	Sample Recovery	PID Reading (ppm)	Description and Stratigraphy	Remarks
	1 2 3		FILL			<1	Grayish brown (5YR 3/2), coarse to fine SAND, little Silt, trace coarse to fine Gravel, moist. Total Depth of Boring 3.2 feet.	**Sand (Fill). Collected grab sample SP1-07 from 2.7 to 3.2 ftbg and composite sample SP1-07 from 0 to 3.2 ftbg.**
	4							

Drilling Log

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BORING NO.: SP1-08

LOCATION: Brooklyn, NY

CLIENT: NYC Department of Design and Construction	**PROJECT NO.:** 31402661.253
PROJECT: Phase II Soil Stockpile Waste Characterization for Gateway Estates Phase E	**FMS ID#:** HD161E
DRILLING CONTRACTOR: Louis Berger	**WOL #:** OEHS-20201409799-WOL-281
DRILLING METHOD: Hand Auger	**DATE STARTED:** 10/19/2022
BOREHOLE DATA / **WELL DATA**	**DATE FINISHED:** 10/19/2022
Diameter (in): 3.25 / **Well Diameter (in):** N/A	**DRIILER:** I. Arturo
Total Depth (ft.): 1 / **Total Depth (ft.):** N/A	**INSPECTOR:** J. Hampsey
Depth to Refusal (ft): 1 / **Screen Length (ft):** N/A	**NORTHING (ft):** 177953.4069
Depth to Water (ft.): N/A / **Depth to Water (ft.):** N/A	**EASTING (ft):** 1017984.174
Depth to Rock (ft.): N/A / **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.
Refusal at 1.0 ftbg due to cobbles

Well Construction	Depth (feet)	Lithology	USCS	Sample Interval	Sample Recovery	PID Reading (ppm)	Description and Stratigraphy	Remarks
	1		FILL			<1	Moderate brown (5YR 3/4), SILT, some coarse to fine Sand, trace coarse to fine Gravel, moist. Total Depth of Boring 1 foot.	**Sandy Silt (Fill). Collected grab sample SP1-08 from 0.5 to 1.0 ftbg and composite sample SP1-08 from 0 to 1.0 ftbg.**
	2							
	3							
	4							

Drilling Log

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BORING NO.: SP1-09

LOCATION: Brooklyn, NY

CLIENT: NYC Department of Design and Construction			**PROJECT NO.:** 31402661.253
PROJECT: Phase II Soil Stockpile Waste Characterization for Gateway Estates Phase E			**FMS ID#:** HD161E
DRILLING CONTRACTOR: Louis Berger			**WOL #:** OEHS-20201409799-WOL-281
DRILLING METHOD: Hand Auger			**DATE STARTED:** 10/19/2022
BOREHOLE DATA	**WELL DATA**		**DATE FINISHED:** 10/19/2022
Diameter (in): 3.25	**Well Diameter (in):**	N/A	**DRILLER:** I. Arturo
Total Depth (ft.): 1.4	**Total Depth (ft.):**	N/A	**INSPECTOR:** J. Hampsey
Depth to Refusal (ft): 1.4	**Screen Length (ft):**	N/A	**NORTHING (ft):** 177978.1016
Depth to Water (ft.): N/A	**Depth to Water (ft.):**	N/A	**EASTING (ft):** 1018024.369
Depth to Rock (ft.): N/A	**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.
Refusal at 1.4 ftbg due to cobbles

Well Construction	Depth (feet)	Lithology	USCS	Sample Interval	Sample Recovery	PID Reading (ppm)	Description and Stratigraphy	Remarks
	1		Fill			<1	Moderate brown (5YR 3/4), SILT, some coarse to fine Sand, little coarse to fine Gravel, moist. Total Depth of Boring 1.4 feet.	**Sandy Silt (Fill). Collected grab sample SP1-09 from 0.9 to 1.4 ftbg and composite sample SP1-09 from 0 to 1.4 ftbg.**
	2							
	3							
	4							

Drilling Log

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BORING NO.: SP1-10

LOCATION: Brooklyn, NY

CLIENT: NYC Department of Design and Construction	**PROJECT NO.:** 31402661.253
PROJECT: Phase II Soil Stockpile Waste Characterization for Gateway Estates Phase E	**FMS ID#:** HD161E
DRILLING CONTRACTOR: Louis Berger	**WOL #:** OEHS-20201409799-WOL-281
DRILLING METHOD: Hand Auger	**DATE STARTED:** 10/19/2022
BOREHOLE DATA / **WELL DATA**	**DATE FINISHED:** 10/19/2022
Diameter (in): 3.25 / **Well Diameter (in):** N/A	**DRILLER:** I. Arturo
Total Depth (ft.): 2.8 / **Total Depth (ft.):** N/A	**INSPECTOR:** J. Hampsey
Depth to Refusal (ft): 2.8 / **Screen Length (ft):** N/A	**NORTHING (ft):** 177937.9045
Depth to Water (ft.): N/A / **Depth to Water (ft.):** N/A	**EASTING (ft):** 1018071.367
Depth to Rock (ft.): N/A / **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.
Refusal at 2.8 ftbg due to cobbles

Well Construction	Depth (feet)	Lithology	USCS	Sample Interval	Sample Recovery	PID Reading (ppm)	Description and Stratigraphy	Remarks
	0		FILL			<1	Moderate brown (5YR 4/4), SILT, and coarse to fine Sand, little coarse to fine Gravel (3% fill material: plastic), moist.	**Sandy Silt (Fill)**
	1		FILL			<1	Moderate brown (5YR 4/4), SILT, some coarse to fine Sand, little coarse to fine Gravel (5% fill material: plastic, glass), moist.	**Collected grab sample SP1-10 from 2.3 to 2.8 ftbg and composite sample SP1-10 from 0 to 2.8 ftbg.**
	2						Total Depth of Boring 2.8 feet.	
	3							
	4							

Drilling Log

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BORING NO.: SP2-01

LOCATION: Brooklyn, NY

CLIENT: NYC Department of Design and Construction	**PROJECT NO.:** 31402661.253
PROJECT: Phase II Soil Stockpile Waste Characterization for Gateway Estates Phase E	**FMS ID#:** HD161E
DRILLING CONTRACTOR: Louis Berger	**WOL #:** OEHS-20201409799-WOL-281
DRILLING METHOD: Hand Auger	**DATE STARTED:** 10/18/2022
BOREHOLE DATA / **WELL DATA**	**DATE FINISHED:** 10/18/2022
Diameter (in): 3.25 / **Well Diameter (in):** N/A	**DRILLER:** I. Arturo
Total Depth (ft.): 3.5 / **Total Depth (ft.):** N/A	**INSPECTOR:** J. Hampsey
Depth to Refusal (ft): 3.5 / **Screen Length (ft):** N/A	**NORTHING (ft):** 178300.1836
Depth to Water (ft.): N/A / **Depth to Water (ft.):** N/A	**EASTING (ft):** 1018084.888
Depth to Rock (ft.): N/A / **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.
Refusal at 3.5 ftbg due to cobbles

Well Construction	Depth (feet)	Lithology	USCS	Sample Interval	Sample Recovery	PID Reading (ppm)	Description and Stratigraphy	Remarks
	0		FILL			<1	Moderate brown (5YR 3/4), coarse to fine SAND, some Silt, moist.	**Silty Sand (Fill)**
	1		FILL			<1	Moderate brown (5YR 3/4), coarse to fine SAND, some Silt, trace coarse to fine Gravel, moist.	
	2		FILL			<1	Moderate brown (5YR 4/4), coarse to fine SAND, some Silt, trace coarse to fine Gravel, moist.	**Collected grab sample SP2-01 from 3.0 to 3.5 ftbg and composite sample SP2-01 from 0 to 3.5 ftbg.**
	3						Total Depth of Boring 3.5 feet.	
	4							

Drilling Log

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BORING NO.: SP2-02

LOCATION: Brooklyn, NY

CLIENT: NYC Department of Design and Construction			**PROJECT NO.:** 31402661.253
PROJECT: Phase II Soil Stockpile Waste Characterization for Gateway Estates Phase E			**FMS ID#:** HD161E
DRILLING CONTRACTOR: Louis Berger			**WOL #:** OEHS-20201409799-WOL-281
DRILLING METHOD: Hand Auger			**DATE STARTED:** 10/18/2022
BOREHOLE DATA	**WELL DATA**		**DATE FINISHED:** 10/18/2022
Diameter (in): 3.25	**Well Diameter (in):** N/A		**DRIILER:** I. Arturo
Total Depth (ft.): 4	**Total Depth (ft.):** N/A		**INSPECTOR:** J. Hampsey
Depth to Refusal (ft): N/A	**Screen Length (ft):** N/A		**NORTHING (ft):** 178292.1679
Depth to Water (ft.): N/A	**Depth to Water (ft.):** N/A		**EASTING (ft):** 1018115.504
Depth to Rock (ft.): N/A	**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
	1		FILL			<1	Moderate yellowish brown (10YR 5/4), medium to fine SAND, little Silt, trace coarse to fine Gravel (3% fill material: metal), moist.	**Sand (Fill)**
	2		FILL			<1	Moderate yellowish brown (10YR 5/4), medium to fine SAND, little Silt, trace coarse to fine Gravel, moist.	**Collected grab sample SP2-02 from 3.5 to 4.0 ftbg and composite sample SP2-02 from 0 to 4.0 ftbg.**
	3							
	4						Total Depth of Boring 4 feet.	

Drilling Log

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BORING NO.: SP2-03

LOCATION: Brooklyn, NY

CLIENT: NYC Department of Design and Construction			**PROJECT NO.:** 31402661.253
PROJECT: Phase II Soil Stockpile Waste Characterization for Gateway Estates Phase E			**FMS ID#:** HD161E
DRILLING CONTRACTOR: Louis Berger			**WOL #:** OEHS-20201409799-WOL-281
DRILLING METHOD: Hand Auger			**DATE STARTED:** 10/18/2022
BOREHOLE DATA	**WELL DATA**		**DATE FINISHED:** 10/18/2022
Diameter (in): 3.25	**Well Diameter (in):** N/A		**DRIILER:** I. Arturo
Total Depth (ft.): 4	**Total Depth (ft.):** N/A		**INSPECTOR:** J. Hampsey
Depth to Refusal (ft): N/A	**Screen Length (ft):** N/A		**NORTHING (ft):** 178246.7355
Depth to Water (ft.): N/A	**Depth to Water (ft.):** N/A		**EASTING (ft):** 1018137.815
Depth to Rock (ft.): N/A	**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 yellowish brown (10YR 5/4), coarse to fine SAND, little Silt, trace coarse to fine Gravel, moist.	**Sand (Fill)**
	2 – 4		FILL			<1	Very pale orange (10YR 8/2) to moderate yellowish brown (10YR 5/4), coarse to fine SAND, little Silt, trace coarse to fine Gravel, moist.	**Collected grab sample SP2-03 from 3.5 to 4.0 ftbg and composite sample SP2-03 from 0 to 4.0 ftbg.**
	4						Total Depth of Boring 4 feet.	

Drilling Log

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BORING NO.: SP2-04

LOCATION: Brooklyn, NY

CLIENT:	NYC Department of Design and Construction	**PROJECT NO.:**	31402661.253
PROJECT:	Phase II Soil Stockpile Waste Characterization for Gateway Estates Phase E	**FMS ID#:**	HD161E
DRILLING CONTRACTOR:	Louis Berger	**WOL #:**	OEHS-20201409799-WOL-281
DRILLING METHOD:	Hand Auger	**DATE STARTED:**	10/18/2022
BOREHOLE DATA		**DATE FINISHED:**	10/18/2022
Diameter (in):	3.25	**DRIILER:**	I. Arturo
Total Depth (ft.):	3	**INSPECTOR:**	J. Hampsey
Depth to Refusal (ft):	3	**NORTHING (ft):**	178202.2547
Depth to Water (ft.):	N/A	**EASTING (ft):**	1018114.298
Depth to Rock (ft.):	N/A	**SURFACE ELEVATION (ft):**	N/A
WELL DATA			
Well Diameter (in):	N/A		
Total Depth (ft.):	N/A		
Screen Length (ft):	N/A		
Depth to Water (ft.):	N/A		
Slot Size (in):	N/A		

NOTES: Soil description based on Unified Soil Classification System (USCS), Burmister Classification and Munsell Rock Color Chart.
Refusal at 3.0 ftbg due to cobbles

Well Construction	Depth (feet)	Lithology	USCS	Sample Interval	Sample Recovery	PID Reading (ppm)	Description and Stratigraphy	Remarks
	1		FILL			<1	Moderate brown (5YR 3/4), coarse to fine SAND, little Silt, trace coarse to fine Gravel, moist.	**Sand (Fill)**
	2		FILL			<1	Moderate brown (5YR 3/4), coarse to fine SAND, and Silt, moist.	**Silty Sand (Fill)**
	3		FILL			<1	Moderate brown (5YR 3/4), coarse to fine SAND, some Silt, trace coarse to fine Gravel, moist. Total Depth of Boring 3 feet.	**Collected grab sample SP2-04 from 2.5 to 3.0 ftbg and composite sample SP2-04 from 0 to 3.0 ftbg.**
	4							

Drilling Log

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BORING NO.: SP2-05

LOCATION: Brooklyn, NY

CLIENT: NYC Department of Design and Construction	**PROJECT NO.:** 31402661.253
PROJECT: Phase II Soil Stockpile Waste Characterization for Gateway Estates Phase E	**FMS ID#:** HD161E
DRILLING CONTRACTOR: Louis Berger	**WOL #:** OEHS-20201409799-WOL-281
DRILLING METHOD: Hand Auger	**DATE STARTED:** 10/18/2022
BOREHOLE DATA / **WELL DATA**	**DATE FINISHED:** 10/18/2022
Diameter (in): 3.25 / **Well Diameter (in):** N/A	**DRIILER:** I. Arturo
Total Depth (ft.): 2.5 / **Total Depth (ft.):** N/A	**INSPECTOR:** J. Hampsey
Depth to Refusal (ft): 2.5 / **Screen Length (ft):** N/A	**NORTHING (ft):** 178206.525
Depth to Water (ft.): N/A / **Depth to Water (ft.):** N/A	**EASTING (ft):** 1018162.569
Depth to Rock (ft.): N/A / **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.
Refusal at 2.5 ftbg due to cobbles

Well Construction	Depth (feet)	Lithology	USCS	Sample Interval	Sample Recovery	PID Reading (ppm)	Description and Stratigraphy	Remarks
	1 2		FILL			<1	Moderate brown (5YR 4/4), coarse to fine SAND, little Silt, trace coarse to fine Gravel (3% fill material: plastic), moist. Total Depth of Boring 2.5 feet.	**Sand (Fill). Collected grab sample SP2-05 from 2.0 to 2.5 ftbg and composite sample SP2-05 from 0 to 2.5 ftbg.**
	3 4							

Drilling Log

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BORING NO.: SP2-06

LOCATION: Brooklyn, NY

CLIENT: NYC Department of Design and Construction	**PROJECT NO.:** 31402661.253
PROJECT: Phase II Soil Stockpile Waste Characterization for Gateway Estates Phase E	**FMS ID#:** HD161E
DRILLING CONTRACTOR: Louis Berger	**WOL #:** OEHS-20201409799-WOL-281
DRILLING METHOD: Hand Auger	**DATE STARTED:** 10/18/2022
BOREHOLE DATA / **WELL DATA**	**DATE FINISHED:** 10/18/2022
Diameter (in): 3.25 / **Well Diameter (in):** N/A	**DRILLER:** I. Arturo
Total Depth (ft.): 2.8 / **Total Depth (ft.):** N/A	**INSPECTOR:** J. Hampsey
Depth to Refusal (ft): 2.8 / **Screen Length (ft):** N/A	**NORTHING (ft):** 178136.1429
Depth to Water (ft.): N/A / **Depth to Water (ft.):** N/A	**EASTING (ft):** 1018162.251
Depth to Rock (ft.): N/A / **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.
Refusal at 2.8 ftbg due to cobbles

Well Construction	Depth (feet)	Lithology	USCS	Sample Interval	Sample Recovery	PID Reading (ppm)	Description and Stratigraphy	Remarks
	0		FILL			<1	Moderate brown (5YR 3/4), coarse to fine SAND, little Silt, trace coarse to fine Gravel (5% fill material: asphalt, glass), moist.	**Sand (Fill)**
	1		FILL			<1	Moderate brown (5YR 3/4) to pale brown (5YR 5/2), coarse to fine SAND, trace Silt, trace coarse to fine Gravel, moist.	**Collected grab sample SP2-06 from 2.3 to 2.8 ftbg and composite sample SP2-06 from 0 to 2.8 ftbg.**
	2						Total Depth of Boring 2.8 feet.	
	3							
	4							

Drilling Log

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BORING NO.: SP2-07

LOCATION: Brooklyn, NY

CLIENT: NYC Department of Design and Construction	**PROJECT NO.:** 31402661.253
PROJECT: Phase II Soil Stockpile Waste Characterization for Gateway Estates Phase E	**FMS ID#:** HD161E
DRILLING CONTRACTOR: Louis Berger	**WOL #:** OEHS-20201409799-WOL-281
DRILLING METHOD: Hand Auger	**DATE STARTED:** 10/18/2022
BOREHOLE DATA / **WELL DATA**	**DATE FINISHED:** 10/18/2022
Diameter (in): 3.25 / **Well Diameter (in):** N/A	**DRIILER:** I. Arturo
Total Depth (ft.): 2.5 / **Total Depth (ft.):** N/A	**INSPECTOR:** J. Hampsey
Depth to Refusal (ft): 2.5 / **Screen Length (ft):** N/A	**NORTHING (ft):** 178079.8302
Depth to Water (ft.): N/A / **Depth to Water (ft.):** N/A	**EASTING (ft):** 1018177.223
Depth to Rock (ft.): N/A / **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.
Refusal at 2.5 ftbg due to cobbles

Well Construction	Depth (feet)	Lithology	USCS	Sample Interval	Sample Recovery	PID Reading (ppm)	Description and Stratigraphy	Remarks
	1		FILL			<1	Moderate brown (5YR 4/4), coarse to fine SAND, little Silt, some coarse to fine Gravel, moist.	**Gravelly Sand (Fill)**
	2		FILL			<1	Moderate brown (5YR 4/4) to pale yellowish brown (10YR 6/2), coarse to fine SAND, little Silt, little coarse to fine Gravel, moist.	**Sand (Fill). Collected grab sample SP2-07 from 2.0 to 2.5 ftbg and composite sample SP2-07 from 0 to 2.5 ftbg.**
							Total Depth of Boring 2.5 feet.	
	3							
	4							

Drilling Log

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BORING NO.: SP2-08

LOCATION: Brooklyn, NY

CLIENT: NYC Department of Design and Construction	**PROJECT NO.:** 31402661.253
PROJECT: Phase II Soil Stockpile Waste Characterization for Gateway Estates Phase E	**FMS ID#:** HD161E
DRILLING CONTRACTOR: Louis Berger	**WOL #:** OEHS-20201409799-WOL-281
DRILLING METHOD: Hand Auger	**DATE STARTED:** 10/18/2022
BOREHOLE DATA / **WELL DATA**	**DATE FINISHED:** 10/18/2022
Diameter (in): 3.25 / **Well Diameter (in):** N/A	**DRILLER:** I. Arturo
Total Depth (ft.): 3 / **Total Depth (ft.):** N/A	**INSPECTOR:** J. Hampsey
Depth to Refusal (ft): 3 / **Screen Length (ft):** N/A	**NORTHING (ft):** 178029.5127
Depth to Water (ft.): N/A / **Depth to Water (ft.):** N/A	**EASTING (ft):** 1018156.732
Depth to Rock (ft.): N/A / **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.
Refusal at 3.0 ftbg due to cobbles

Well Construction	Depth (feet)	Lithology	USCS	Sample Interval	Sample Recovery	PID Reading (ppm)	Description and Stratigraphy	Remarks
	1		FILL			<1	Moderate brown (5YR 4/4), coarse to fine SAND, some Silt, little coarse to fine Gravel, moist.	**Silty Sand (Fill)**
	2		FILL			<1	Moderate brown (5YR 4/4), coarse to fine SAND, some Silt, some coarse to fine Gravel (8% fill material: glass, slag, shoes soles), moist.	**Gravelly Silty Sand (Fill). Collected grab sample SP2-08 from 2.5 to 3.0 ftbg and composite sample SP2-08 from 0 to 3.0 ftbg.**
	3						Total Depth of Boring 3 feet.	
	4							

Drilling Log

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BORING NO.: SP2-09

LOCATION: Brooklyn, NY

CLIENT: NYC Department of Design and Construction	**PROJECT NO.:** 31402661.253
PROJECT: Phase II Soil Stockpile Waste Characterization for Gateway Estates Phase E	**FMS ID#:** HD161E
DRILLING CONTRACTOR: Louis Berger	**WOL #:** OEHS-20201409799-WOL-281
DRILLING METHOD: Hand Auger	**DATE STARTED:** 10/18/2022
BOREHOLE DATA / **WELL DATA**	**DATE FINISHED:** 10/18/2022
Diameter (in): 3.25 / **Well Diameter (in):** N/A	**DRILLER:** I. Arturo
Total Depth (ft.): 3.5 / **Total Depth (ft.):** N/A	**INSPECTOR:** J. Hampsey
Depth to Refusal (ft): 3.5 / **Screen Length (ft):** N/A	**NORTHING (ft):** 177976.8631
Depth to Water (ft.): N/A / **Depth to Water (ft.):** N/A	**EASTING (ft):** 1018162.638
Depth to Rock (ft.): N/A / **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.
Refusal at 3.5 ftbg due to cobbles

Well Construction	Depth (feet)	Lithology	USCS	Sample Interval	Sample Recovery	PID Reading (ppm)	Description and Stratigraphy	Remarks
	1		FILL			<1	Pale yellowish brown (10YR 6/2), coarse to fine SAND, some Silt, little coarse to fine Gravel, moist.	**Silty Sand (Fill)**
	2		FILL			<1	Pale yellowish brown (10YR 6/2) to dusky brown (5YR 2/2), coarse to fine SAND, some Silt, trace coarse to fine Gravel, moist.	**Collected grab sample SP2-09 from 3.0 to 3.5 ftbg and composite sample SP2-09 from 0 to 3.5 ftbg.**
	3						Total Depth of Boring 3.5 feet.	
	4							

Drilling Log

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BORING NO.: SP2-10

LOCATION: Brooklyn, NY

CLIENT: NYC Department of Design and Construction	**PROJECT NO.:** 31402661.253
PROJECT: Phase II Soil Stockpile Waste Characterization for Gateway Estates Phase E	**FMS ID#:** HD161E
DRILLING CONTRACTOR: Louis Berger	**WOL #:** OEHS-20201409799-WOL-281
DRILLING METHOD: Hand Auger	**DATE STARTED:** 10/18/2022
BOREHOLE DATA / **WELL DATA**	**DATE FINISHED:** 10/18/2022
Diameter (in): 3.25 / **Well Diameter (in):** N/A	**DRIILER:** I. Arturo
Total Depth (ft.): 3.3 / **Total Depth (ft.):** N/A	**INSPECTOR:** J. Hampsey
Depth to Refusal (ft): 3.3 / **Screen Length (ft):** N/A	**NORTHING (ft):** 177911.6553
Depth to Water (ft.): N/A / **Depth to Water (ft.):** N/A	**EASTING (ft):** 1018147.943
Depth to Rock (ft.): N/A / **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.
Refusal at 3.3 ftbg due to cobbles

Well Construction	Depth (feet)	Lithology	USCS	Sample Interval	Sample Recovery	PID Reading (ppm)	Description and Stratigraphy	Remarks
	1		FILL			<1	Moderate brown (5YR 4/4), medium to fine SAND, some Silt, little coarse to fine Gravel (5% fill material: asphalt, rubber), moist.	**Silty Sand (Fill)**
	2		FILL			<1	Moderate brown (5YR 4/4), medium to fine SAND, some Silt, trace coarse to fine Gravel, moist.	**Collected grab sample SP2-10 from 2.8 to 3.3 ftbg and composite sample SP2-10 from 0 to 3.3 ftbg.**
	3						Total Depth of Boring 3.3 feet.	
	4							

Drilling Log

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BORING NO.: SW-01

LOCATION: Brooklyn, NY

CLIENT: NYC Department of Design and Construction	**PROJECT NO.:** 31402661.253
PROJECT: Phase II Soil Stockpile Waste Characterization for Gateway Estates Phase E	**FMS ID#:** HD161E
DRILLING CONTRACTOR: Louis Berger	**WOL #:** OEHS-20201409799-WOL-281
DRILLING METHOD: Hand Auger	**DATE STARTED:** 10/18/2022
BOREHOLE DATA / **WELL DATA**	**DATE FINISHED:** 10/18/2022
Diameter (in): 3.25 / **Well Diameter (in):** N/A	**DRIILER:** I. Arturo
Total Depth (ft.): 1.8 / **Total Depth (ft.):** N/A	**INSPECTOR:** J. Hampsey
Depth to Refusal (ft): 1.8 / **Screen Length (ft):** N/A	**NORTHING (ft):** 178069.8178
Depth to Water (ft.): N/A / **Depth to Water (ft.):** N/A	**EASTING (ft):** 1017970.094
Depth to Rock (ft.): N/A / **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.
Refusal at 1.8 ftbg due to cobbles

Well Construction	Depth (feet)	Lithology	USCS	Sample Interval	Sample Recovery	PID Reading (ppm)	Description and Stratigraphy	Remarks
	0		FILL			<1	Moderate brown (5YR 4/4), SILT, some coarse to fine Sand, little coarse to fine Gravel, moist.	**Sandy Silt (Fill)**
	1		FILL			<1	Moderate brown (5YR 4/4), SILT, some coarse to fine Sand, moist.	**Collected grab sample SW-01 from 1.3 to 1.8 ftbg and composite sample SW-01 from 0 to 1.8 ftbg.**
							Total Depth of Boring 1.8 feet.	
	2							
	3							
	4							

Drilling Log

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BORING NO.: SW-02

LOCATION: Brooklyn, NY

CLIENT: NYC Department of Design and Construction	**PROJECT NO.:** 31402661.253
PROJECT: Phase II Soil Stockpile Waste Characterization for Gateway Estates Phase E	**FMS ID#:** HD161E
DRILLING CONTRACTOR: Louis Berger	**WOL #:** OEHS-20201409799-WOL-281
DRILLING METHOD: Hand Auger	**DATE STARTED:** 10/18/2022
BOREHOLE DATA / **WELL DATA**	**DATE FINISHED:** 10/18/2022
Diameter (in): 3.25 / **Well Diameter (in):** N/A	**DRIILER:** I. Arturo
Total Depth (ft.): 2.5 / **Total Depth (ft.):** N/A	**INSPECTOR:** J. Hampsey
Depth to Refusal (ft): 2.5 / **Screen Length (ft):** N/A	**NORTHING (ft):** 178160.6116
Depth to Water (ft.): N/A / **Depth to Water (ft.):** N/A	**EASTING (ft):** 1018051.748
Depth to Rock (ft.): N/A / **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.
Refusal at 2.5 ftbg due to cobbles

Well Construction	Depth (feet)	Lithology	USCS	Sample Interval	Sample Recovery	PID Reading (ppm)	Description and Stratigraphy	Remarks
	1 2		FILL			<1	Moderate yellowish brown (10YR 5/4), coarse to medium SAND, little Silt, trace coarse to fine Gravel (3% fill material: glass), moist. Total Depth of Boring 2.5 feet.	**Sand (Fill). Collected grab sample SW-02 from 2.0 to 2.5 ftbg and composite sample SW-02 from 0 to 2.5 ftbg.**
	3 4							

Drilling Log

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BORING NO.: SW-03

LOCATION: Brooklyn, NY

CLIENT: NYC Department of Design and Construction	**PROJECT NO.:** 31402661.253
PROJECT: Phase II Soil Stockpile Waste Characterization for Gateway Estates Phase E	**FMS ID#:** HD161E
DRILLING CONTRACTOR: Louis Berger	**WOL #:** OEHS-20201409799-WOL-281
DRILLING METHOD: Hand Auger	**DATE STARTED:** 10/18/2022
BOREHOLE DATA / **WELL DATA**	**DATE FINISHED:** 10/18/2022
Diameter (in): 3.25 / **Well Diameter (in):** N/A	**DRIILER:** I. Arturo
Total Depth (ft.): 1 / **Total Depth (ft.):** N/A	**INSPECTOR:** J. Hampsey
Depth to Refusal (ft): 1 / **Screen Length (ft):** N/A	**NORTHING (ft):** 178037.9001
Depth to Water (ft.): N/A / **Depth to Water (ft.):** N/A	**EASTING (ft):** 1018034.406
Depth to Rock (ft.): N/A / **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.
Refusal at 1.0 ftbg due to cobbles

Well Construction	Depth (feet)	Lithology	USCS	Sample Interval	Sample Recovery	PID Reading (ppm)	Description and Stratigraphy	Remarks
	1		FILL			<1	Moderate brown (5YR 4/4), SILT, some coarse to medium Sand, some coarse to fine Gravel, moist. Total Depth of Boring 1 foot.	**Gravelly Sandy Silt (Fill). Collected grab sample SW-03 from 0.5 to 1.0 ftbg and composite sample SW-03 from 0 to 1.0 ftbg.**
	2							
	3							
	4							

Drilling Log

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BORING NO.: SW-04

LOCATION: Brooklyn, NY

CLIENT: NYC Department of Design and Construction			**PROJECT NO.:** 31402661.253
PROJECT: Phase II Soil Stockpile Waste Characterization for Gateway Estates Phase E			**FMS ID#:** HD161E
DRILLING CONTRACTOR: Louis Berger			**WOL #:** OEHS-20201409799-WOL-281
DRILLING METHOD: Hand Auger			**DATE STARTED:** 10/18/2022
BOREHOLE DATA	**WELL DATA**		**DATE FINISHED:** 10/18/2022
Diameter (in): 3.25	**Well Diameter (in):**	N/A	**DRILLER:** I. Arturo
Total Depth (ft.): 4	**Total Depth (ft.):**	N/A	**INSPECTOR:** J. Hampsey
Depth to Refusal (ft): N/A	**Screen Length (ft):**	N/A	**NORTHING (ft):** 178071.4753
Depth to Water (ft.): N/A	**Depth to Water (ft.):**	N/A	**EASTING (ft):** 1018102.718
Depth to Rock (ft.): N/A	**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		FILL			<1	Moderate brown (5YR 3/4), SILT, little coarse to fine Sand, trace coarse to fine Gravel (5% fill material: plastic, asphalt), moist.	**Silt (Fill). Collected grab sample SW-04 from 3.5 to 4.0 ftbg and composite sample SW-04 from 0 to 4.0 ftbg.**
	1							
	2							
	3							
	4						Total Depth of Boring 4 feet.	

Drilling Log

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BORING NO.: SW-05

LOCATION: Brooklyn, NY

CLIENT: NYC Department of Design and Construction			**PROJECT NO.:** 31402661.253
PROJECT: Phase II Soil Stockpile Waste Characterization for Gateway Estates Phase E			**FMS ID#:** HD161E
DRILLING CONTRACTOR: Louis Berger			**WOL #:** OEHS-20201409799-WOL-281
DRILLING METHOD: Hand Auger			**DATE STARTED:** 10/18/2022
BOREHOLE DATA	**WELL DATA**		**DATE FINISHED:** 10/18/2022
Diameter (in): 3.25	**Well Diameter (in):** N/A		**DRIILER:** I. Arturo
Total Depth (ft.): 1.5	**Total Depth (ft.):** N/A		**INSPECTOR:** J. Hampsey
Depth to Refusal (ft): 1.5	**Screen Length (ft):** N/A		**NORTHING (ft):** 177981.1978
Depth to Water (ft.): N/A	**Depth to Water (ft.):** N/A		**EASTING (ft):** 1018085.232
Depth to Rock (ft.): N/A	**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.
Refusal at 1.5 ftbg due to cobbles

Well Construction	Depth (feet)	Lithology	USCS	Sample Interval	Sample Recovery	PID Reading (ppm)	Description and Stratigraphy	Remarks
	1		FILL			<1	Moderate brown (5YR 3/4), SILT, some coarse to medium Sand, little coarse to fine Gravel, moist. Total Depth of Boring 1.5 feet.	**Sandy Silt (Fill). Collected grab sample SW-05 from 1.0 to 1.5 ftbg and composite sample SW-05 from 0 to 1.5 ftbg.**
	2							
	3							
	4							

APPENDIX B
LABORATORY ANALYTICAL RESULTS

Hampton-Clarke Report Of Analysis

Client: WSP USA, Inc. **HC Project #:** 2101904

Project: HD161E-GatewayEstates

Sample ID: SP-2-01 **Collection Date: 10/18/2022**
Lab#: AD33983-001 **Receipt Date: 10/18/2022**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**93**

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	0.00064	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
1,4-Dichlorobenzene	0.916	mg/kg	0.0020	ND
1,4-Dioxane	0.916	mg/kg	0.098	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	0.0098	ND
Benzene	0.916	mg/kg	0.00098	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	0.0020	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	0.00098	ND
Isopropylbenzene	0.916	mg/kg	0.00098	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	0.00098	ND
o-Xylene	0.916	mg/kg	0.00098	ND
Styrene	0.916	mg/kg	0.0020	ND
t-Butyl Alcohol	0.916	mg/kg	0.0098	ND
Tetrachloroethene	0.916	mg/kg	0.0020	ND

Sample ID: SP-2-01 **Collection Date: 10/18/2022**
Lab#: AD33983-001 **Receipt Date: 10/18/2022**
Matrix: Soil

Toluene	0.916	mg/kg	0.00098	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	0.00098	ND

Sample ID: WC-SP-2-01 | **Collection Date: 10/18/2022**
Lab#: AD33983-002 | **Receipt Date: 10/18/2022**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**94**

Gasoline range organics 8015D(C6-C10)

Analyte	DF	Units	RL	Result
Gasoline Range Organics	96	mg/kg	26	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
1,4-Dichlorobenzene-d4	27.08	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	3	mg/kg	0.11	ND
Acenaphthene	3	mg/kg	0.11	ND
Acenaphthylene	3	mg/kg	0.11	ND
Anthracene	**3**	**mg/kg**	**0.11**	**0.15**
Benzo[a]anthracene	**3**	**mg/kg**	**0.11**	**0.53**
Benzo[a]pyrene	**3**	**mg/kg**	**0.11**	**0.53**
Benzo[b]fluoranthene	**3**	**mg/kg**	**0.11**	**0.77**
Benzo[g,h,i]perylene	**3**	**mg/kg**	**0.11**	**0.26**
Benzo[k]fluoranthene	**3**	**mg/kg**	**0.11**	**0.26**
Chrysene	**3**	**mg/kg**	**0.11**	**0.56**
Dibenzo[a,h]anthracene	3	mg/kg	0.11	ND
Fluoranthene	**3**	**mg/kg**	**0.11**	**1.1**
Fluorene	3	mg/kg	0.11	ND
Indeno[1,2,3-cd]pyrene	**3**	**mg/kg**	**0.11**	**0.25**
Naphthalene	3	mg/kg	0.027	ND
Phenanthrene	**3**	**mg/kg**	**0.11**	**0.64**
Pyrene	**3**	**mg/kg**	**0.11**	**1.0**

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
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

Sample ID: WC-SP-2-01 **Collection Date: 10/18/2022**
Lab#: AD33983-002 **Receipt Date: 10/18/2022**
Matrix: Soil

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
TCMX-Surrogate	125.60	100	37	141	126	
TCMX-Surrogate	125.79	100	37	141	126	
DCB-Surrogate	125.22	100	34	146	125	
DCB-Surrogate	121.76	100	34	146	122	

pH 9045D

Analyte	DF	Units	RL	Result
pH	**1**	**ph**		**8.5**
Temperature	**1**	**c**		**21.2**

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**	**0.72**
Cadmium	1	mg/l	0.050	ND
Chromium	1	mg/l	0.10	ND
Lead	**1**	**mg/l**	**0.050**	**0.26**
Selenium	1	mg/l	0.10	ND
Silver	1	mg/l	0.050	ND

TPH 8015D (C8-C44)

Analyte	DF	Units	RL	Result
Total Petroleum Hydrocarbons	**1**	**mg/kg**	**64**	**110**

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
O-Terphenyl	15.84	20	30	146	79	
Chlorobenzene	12.46	20	20	117	62	

Sample ID: SP-2-02 **Collection Date: 10/18/2022**
Lab#: AD33983-003 **Receipt Date: 10/18/2022**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**95**

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	0.00067	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
1,4-Dichlorobenzene	0.975	mg/kg	0.0021	ND
1,4-Dioxane	0.975	mg/kg	0.10	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	0.010	ND
Benzene	0.975	mg/kg	0.0010	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	0.0021	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	0.0010	ND
Isopropylbenzene	0.975	mg/kg	0.0010	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	0.0010	ND
o-Xylene	0.975	mg/kg	0.0010	ND
Styrene	0.975	mg/kg	0.0021	ND
t-Butyl Alcohol	0.975	mg/kg	0.010	ND
Tetrachloroethene	0.975	mg/kg	0.0021	ND
Toluene	0.975	mg/kg	0.0010	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	0.0010	ND

Sample ID:	**SP-2-02**	**Collection Date:**	**10/18/2022**
Lab#:	**AD33983-003**	**Receipt Date:**	**10/18/2022**
Matrix:	**Soil**		

Sample ID: WC-SP-2-02 | **Collection Date: 10/18/2022**
Lab#: AD33983-004 | **Receipt Date: 10/18/2022**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**95**

Gasoline range organics 8015D(C6-C10)

Analyte	DF	Units	RL	Result
Gasoline Range Organics	92.3	mg/kg	24	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
1,4-Dichlorobenzene-d4	24.14	30	50	150	80	

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	0.11	ND
Acenaphthene	3	mg/kg	0.11	ND
Acenaphthylene	3	mg/kg	0.11	ND
Anthracene	3	mg/kg	0.11	ND
Benzo[a]anthracene	**3**	**mg/kg**	**0.11**	**0.42**
Benzo[a]pyrene	**3**	**mg/kg**	**0.11**	**0.39**
Benzo[b]fluoranthene	**3**	**mg/kg**	**0.11**	**0.54**
Benzo[g,h,i]perylene	**3**	**mg/kg**	**0.11**	**0.19**
Benzo[k]fluoranthene	**3**	**mg/kg**	**0.11**	**0.20**
Chrysene	**3**	**mg/kg**	**0.11**	**0.39**
Dibenzo[a,h]anthracene	3	mg/kg	0.11	ND
Fluoranthene	**3**	**mg/kg**	**0.11**	**0.77**
Fluorene	3	mg/kg	0.11	ND
Indeno[1,2,3-cd]pyrene	**3**	**mg/kg**	**0.11**	**0.17**
Naphthalene	3	mg/kg	0.026	ND
Phenanthrene	**3**	**mg/kg**	**0.11**	**0.47**
Pyrene	**3**	**mg/kg**	**0.11**	**0.76**

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	0.026	ND
Aroclor-1016	1	mg/kg	0.026	ND
Aroclor-1221	1	mg/kg	0.026	ND
Aroclor-1232	1	mg/kg	0.026	ND
Aroclor-1242	1	mg/kg	0.026	ND
Aroclor-1248	1	mg/kg	0.026	ND
Aroclor-1254	1	mg/kg	0.026	ND
Aroclor-1260	1	mg/kg	0.026	ND
Aroclor-1262	1	mg/kg	0.026	ND
Aroclor-1268	1	mg/kg	0.026	ND

Sample ID: WC-SP-2-02 **Collection Date: 10/18/2022**
Lab#: AD33983-004 **Receipt Date: 10/18/2022**
Matrix: Soil

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
TCMX-Surrogate	128.24	100	37	141	128	
TCMX-Surrogate	127.97	100	37	141	128	
DCB-Surrogate	122.12	100	34	146	122	
DCB-Surrogate	125.79	100	34	146	126	

pH 9045D

Analyte	DF	Units	RL	Result
pH	**1**	**ph**		**8.8**
Temperature	**1**	**c**		**21.2**

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**	**0.54**
Cadmium	1	mg/l	0.050	ND
Chromium	1	mg/l	0.10	ND
Lead	**1**	**mg/l**	**0.050**	**6.9**
Selenium	1	mg/l	0.10	ND
Silver	1	mg/l	0.050	ND

TPH 8015D (C8-C44)

Analyte	DF	Units	RL	Result
Total Petroleum Hydrocarbons	**1**	**mg/kg**	**63**	**110**

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
O-Terphenyl	13.04	20	30	146	65	
Chlorobenzene	11.72	20	20	117	59	

Sample ID: SP-2-03 | **Collection Date: 10/18/2022**
Lab#: AD33983-005 | **Receipt Date: 10/18/2022**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**97**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.992	mg/kg	0.0020	ND
1,1,2,2-Tetrachloroethane	0.992	mg/kg	0.0020	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.992	mg/kg	0.0020	ND
1,1,2-Trichloroethane	0.992	mg/kg	0.0020	ND
1,1-Dichloroethane	0.992	mg/kg	0.0020	ND
1,1-Dichloroethene	0.992	mg/kg	0.0020	ND
1,2,3-Trichlorobenzene	0.992	mg/kg	0.0020	ND
1,2,4-Trichlorobenzene	0.992	mg/kg	0.0020	ND
1,2-Dibromo-3-chloropropane	0.992	mg/kg	0.0020	ND
1,2-Dibromoethane	0.992	mg/kg	0.00066	ND
1,2-Dichlorobenzene	0.992	mg/kg	0.0020	ND
1,2-Dichloroethane	0.992	mg/kg	0.0020	ND
1,2-Dichloropropane	0.992	mg/kg	0.0020	ND
1,3-Dichlorobenzene	0.992	mg/kg	0.0020	ND
1,4-Dichlorobenzene	0.992	mg/kg	0.0020	ND
1,4-Dioxane	0.992	mg/kg	0.10	ND
2-Butanone	0.992	mg/kg	0.0020	ND
2-Hexanone	0.992	mg/kg	0.0020	ND
4-Methyl-2-pentanone	0.992	mg/kg	0.0020	ND
Acetone	0.992	mg/kg	0.010	ND
Benzene	0.992	mg/kg	0.0010	ND
Bromochloromethane	0.992	mg/kg	0.0020	ND
Bromodichloromethane	0.992	mg/kg	0.0020	ND
Bromoform	0.992	mg/kg	0.0020	ND
Bromomethane	0.992	mg/kg	0.0020	ND
Carbon disulfide	0.992	mg/kg	0.0020	ND
Carbon tetrachloride	0.992	mg/kg	0.0020	ND
Chlorobenzene	0.992	mg/kg	0.0020	ND
Chloroethane	0.992	mg/kg	0.0020	ND
Chloroform	0.992	mg/kg	0.0020	ND
Chloromethane	0.992	mg/kg	0.0020	ND
cis-1,2-Dichloroethene	0.992	mg/kg	0.0020	ND
cis-1,3-Dichloropropene	0.992	mg/kg	0.0020	ND
Cyclohexane	0.992	mg/kg	0.0020	ND
Dibromochloromethane	0.992	mg/kg	0.0020	ND
Dichlorodifluoromethane	0.992	mg/kg	0.0020	ND
Ethylbenzene	0.992	mg/kg	0.0010	ND
Isopropylbenzene	0.992	mg/kg	0.0010	ND
m&p-Xylenes	0.992	mg/kg	0.0015	ND
Methyl Acetate	0.992	mg/kg	0.0020	ND
Methylcyclohexane	0.992	mg/kg	0.0020	ND
Methylene chloride	0.992	mg/kg	0.0020	ND
Methyl-t-butyl ether	0.992	mg/kg	0.0010	ND
o-Xylene	0.992	mg/kg	0.0010	ND
Styrene	0.992	mg/kg	0.0020	ND
t-Butyl Alcohol	0.992	mg/kg	0.010	ND
Tetrachloroethene	0.992	mg/kg	0.0020	ND
Toluene	0.992	mg/kg	0.0010	ND
trans-1,2-Dichloroethene	0.992	mg/kg	0.0020	ND
trans-1,3-Dichloropropene	0.992	mg/kg	0.0020	ND
Trichloroethene	0.992	mg/kg	0.0020	ND
Trichlorofluoromethane	0.992	mg/kg	0.0020	ND
Vinyl chloride	0.992	mg/kg	0.0020	ND
Xylenes (Total)	0.992	mg/kg	0.0010	ND

Sample ID:	**SP-2-03**	**Collection Date:**	**10/18/2022**
Lab#:	**AD33983-005**	**Receipt Date:**	**10/18/2022**
Matrix:	**Soil**		

Sample ID: WC-SP-2-03 | **Collection Date: 10/18/2022**
Lab#: AD33983-006 | **Receipt Date: 10/18/2022**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**96**

Gasoline range organics 8015D(C6-C10)

Analyte	DF	Units	RL	Result
Gasoline Range Organics	94.3	mg/kg	25	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
1,4-Dichlorobenzene-d4	28.71	30	50	150	96	

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	0.10	ND
Acenaphthene	3	mg/kg	0.10	ND
Acenaphthylene	3	mg/kg	0.10	ND
Anthracene	3	mg/kg	0.10	ND
Benzo[a]anthracene	**3**	**mg/kg**	**0.10**	**0.17**
Benzo[a]pyrene	**3**	**mg/kg**	**0.10**	**0.17**
Benzo[b]fluoranthene	**3**	**mg/kg**	**0.10**	**0.22**
Benzo[g,h,i]perylene	3	mg/kg	0.10	ND
Benzo[k]fluoranthene	3	mg/kg	0.10	ND
Chrysene	**3**	**mg/kg**	**0.10**	**0.15**
Dibenzo[a,h]anthracene	3	mg/kg	0.10	ND
Fluoranthene	**3**	**mg/kg**	**0.10**	**0.29**
Fluorene	3	mg/kg	0.10	ND
Indeno[1,2,3-cd]pyrene	3	mg/kg	0.10	ND
Naphthalene	3	mg/kg	0.026	ND
Phenanthrene	**3**	**mg/kg**	**0.10**	**0.15**
Pyrene	**3**	**mg/kg**	**0.10**	**0.29**

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	0.026	ND
Aroclor-1016	1	mg/kg	0.026	ND
Aroclor-1221	1	mg/kg	0.026	ND
Aroclor-1232	1	mg/kg	0.026	ND
Aroclor-1242	1	mg/kg	0.026	ND
Aroclor-1248	1	mg/kg	0.026	ND
Aroclor-1254	1	mg/kg	0.026	ND
Aroclor-1260	1	mg/kg	0.026	ND
Aroclor-1262	1	mg/kg	0.026	ND
Aroclor-1268	1	mg/kg	0.026	ND

Sample ID: WC-SP-2-03 **Collection Date: 10/18/2022**
Lab#: AD33983-006 **Receipt Date: 10/18/2022**
Matrix: Soil

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
TCMX-Surrogate	109.11	100	37	141	109	
TCMX-Surrogate	109.42	100	37	141	109	
DCB-Surrogate	111.05	100	34	146	111	
DCB-Surrogate	105.81	100	34	146	106	

pH 9045D

Analyte	DF	Units	RL	Result
pH	**1**	**ph**		**8.1**
Temperature	**1**	**c**		**21.0**

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**	**0.39**
Cadmium	1	mg/l	0.050	ND
Chromium	1	mg/l	0.10	ND
Lead	**1**	**mg/l**	**0.050**	**0.17**
Selenium	1	mg/l	0.10	ND
Silver	1	mg/l	0.050	ND

TPH 8015D (C8-C44)

Analyte	DF	Units	RL	Result
Total Petroleum Hydrocarbons	**1**	**mg/kg**	**63**	**120**

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
O-Terphenyl	14.53	20	30	146	73	
Chlorobenzene	13.79	20	20	117	69	

Sample ID: SP-2-04 **Collection Date:** 10/18/2022
Lab#: AD33983-007 **Receipt Date:** 10/18/2022
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		94

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.88	mg/kg	0.0019	ND
1,1,2,2-Tetrachloroethane	0.88	mg/kg	0.0019	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.88	mg/kg	0.0019	ND
1,1,2-Trichloroethane	0.88	mg/kg	0.0019	ND
1,1-Dichloroethane	0.88	mg/kg	0.0019	ND
1,1-Dichloroethene	0.88	mg/kg	0.0019	ND
1,2,3-Trichlorobenzene	0.88	mg/kg	0.0019	ND
1,2,4-Trichlorobenzene	0.88	mg/kg	0.0019	ND
1,2-Dibromo-3-chloropropane	0.88	mg/kg	0.0019	ND
1,2-Dibromoethane	0.88	mg/kg	0.00061	ND
1,2-Dichlorobenzene	0.88	mg/kg	0.0019	ND
1,2-Dichloroethane	0.88	mg/kg	0.0019	ND
1,2-Dichloropropane	0.88	mg/kg	0.0019	ND
1,3-Dichlorobenzene	0.88	mg/kg	0.0019	ND
1,4-Dichlorobenzene	0.88	mg/kg	0.0019	ND
1,4-Dioxane	0.88	mg/kg	0.094	ND
2-Butanone	0.88	mg/kg	0.0019	ND
2-Hexanone	0.88	mg/kg	0.0019	ND
4-Methyl-2-pentanone	0.88	mg/kg	0.0019	ND
Acetone	0.88	mg/kg	0.0094	ND
Benzene	0.88	mg/kg	0.00094	ND
Bromochloromethane	0.88	mg/kg	0.0019	ND
Bromodichloromethane	0.88	mg/kg	0.0019	ND
Bromoform	0.88	mg/kg	0.0019	ND
Bromomethane	0.88	mg/kg	0.0019	ND
Carbon disulfide	0.88	mg/kg	0.0019	ND
Carbon tetrachloride	0.88	mg/kg	0.0019	ND
Chlorobenzene	0.88	mg/kg	0.0019	ND
Chloroethane	0.88	mg/kg	0.0019	ND
Chloroform	0.88	mg/kg	0.0019	ND
Chloromethane	0.88	mg/kg	0.0019	ND
cis-1,2-Dichloroethene	0.88	mg/kg	0.0019	ND
cis-1,3-Dichloropropene	0.88	mg/kg	0.0019	ND
Cyclohexane	0.88	mg/kg	0.0019	ND
Dibromochloromethane	0.88	mg/kg	0.0019	ND
Dichlorodifluoromethane	0.88	mg/kg	0.0019	ND
Ethylbenzene	0.88	mg/kg	0.00094	ND
Isopropylbenzene	0.88	mg/kg	0.00094	ND
m&p-Xylenes	0.88	mg/kg	0.0014	ND
Methyl Acetate	0.88	mg/kg	0.0019	ND
Methylcyclohexane	0.88	mg/kg	0.0019	ND
Methylene chloride	0.88	mg/kg	0.0019	ND
Methyl-t-butyl ether	0.88	mg/kg	0.00094	ND
o-Xylene	0.88	mg/kg	0.00094	ND
Styrene	0.88	mg/kg	0.0019	ND
t-Butyl Alcohol	0.88	mg/kg	0.0094	ND
Tetrachloroethene	0.88	mg/kg	0.0019	ND
Toluene	0.88	mg/kg	0.00094	ND
trans-1,2-Dichloroethene	0.88	mg/kg	0.0019	ND
trans-1,3-Dichloropropene	0.88	mg/kg	0.0019	ND
Trichloroethene	0.88	mg/kg	0.0019	ND
Trichlorofluoromethane	0.88	mg/kg	0.0019	ND
Vinyl chloride	0.88	mg/kg	0.0019	ND
Xylenes (Total)	0.88	mg/kg	0.00094	ND

Sample ID:	**SP-2-04**	**Collection Date:**	**10/18/2022**
Lab#:	**AD33983-007**	**Receipt Date:**	**10/18/2022**
Matrix:	**Soil**		

Sample ID: WC-SP-2-04 | **Collection Date: 10/18/2022**
Lab#: AD33983-008 | **Receipt Date: 10/18/2022**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**95**

Gasoline range organics 8015D(C6-C10)

Analyte	DF	Units	RL	Result
Gasoline Range Organics	95.6	mg/kg	25	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
1,4-Dichlorobenzene-d4	23.82	30	50	150	79	

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	0.11	ND
Acenaphthene	3	mg/kg	0.11	ND
Acenaphthylene	3	mg/kg	0.11	ND
Anthracene	**3**	**mg/kg**	**0.11**	**0.15**
Benzo[a]anthracene	**3**	**mg/kg**	**0.11**	**0.45**
Benzo[a]pyrene	**3**	**mg/kg**	**0.11**	**0.36**
Benzo[b]fluoranthene	**3**	**mg/kg**	**0.11**	**0.49**
Benzo[g,h,i]perylene	**3**	**mg/kg**	**0.11**	**0.16**
Benzo[k]fluoranthene	**3**	**mg/kg**	**0.11**	**0.18**
Chrysene	**3**	**mg/kg**	**0.11**	**0.44**
Dibenzo[a,h]anthracene	3	mg/kg	0.11	ND
Fluoranthene	**3**	**mg/kg**	**0.11**	**0.76**
Fluorene	3	mg/kg	0.11	ND
Indeno[1,2,3-cd]pyrene	**3**	**mg/kg**	**0.11**	**0.15**
Naphthalene	3	mg/kg	0.026	ND
Phenanthrene	**3**	**mg/kg**	**0.11**	**0.68**
Pyrene	**3**	**mg/kg**	**0.11**	**0.95**

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	0.026	ND
Aroclor-1016	1	mg/kg	0.026	ND
Aroclor-1221	1	mg/kg	0.026	ND
Aroclor-1232	1	mg/kg	0.026	ND
Aroclor-1242	1	mg/kg	0.026	ND
Aroclor-1248	1	mg/kg	0.026	ND
Aroclor-1254	1	mg/kg	0.026	ND
Aroclor-1260	1	mg/kg	0.026	ND
Aroclor-1262	1	mg/kg	0.026	ND
Aroclor-1268	1	mg/kg	0.026	ND

Sample ID: WC-SP-2-04 **Collection Date: 10/18/2022**
Lab#: AD33983-008 **Receipt Date: 10/18/2022**
Matrix: Soil

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
TCMX-Surrogate	108.18	100	37	141	108	
TCMX-Surrogate	107.62	100	37	141	108	
DCB-Surrogate	102.95	100	34	146	103	
DCB-Surrogate	104.55	100	34	146	105	

pH 9045D

Analyte	DF	Units	RL	Result
pH	**1**	**ph**		**8.0**
Temperature	**1**	**c**		**21.2**

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**	**0.52**
Cadmium	1	mg/l	0.050	ND
Chromium	1	mg/l	0.10	ND
Lead	**1**	**mg/l**	**0.050**	**0.12**
Selenium	1	mg/l	0.10	ND
Silver	1	mg/l	0.050	ND

TPH 8015D (C8-C44)

Analyte	DF	Units	RL	Result
Total Petroleum Hydrocarbons	**1**	**mg/kg**	**63**	**100**

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
O-Terphenyl	13.58	20	30	146	68	
Chlorobenzene	10.59	20	20	117	53	

Sample ID: SP-2-05 | **Collection Date: 10/18/2022**
Lab#: AD33983-009 | **Receipt Date: 10/18/2022**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**96**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.947	mg/kg	0.0020	ND
1,1,2,2-Tetrachloroethane	0.947	mg/kg	0.0020	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.947	mg/kg	0.0020	ND
1,1,2-Trichloroethane	0.947	mg/kg	0.0020	ND
1,1-Dichloroethane	0.947	mg/kg	0.0020	ND
1,1-Dichloroethene	0.947	mg/kg	0.0020	ND
1,2,3-Trichlorobenzene	0.947	mg/kg	0.0020	ND
1,2,4-Trichlorobenzene	0.947	mg/kg	0.0020	ND
1,2-Dibromo-3-chloropropane	0.947	mg/kg	0.0020	ND
1,2-Dibromoethane	0.947	mg/kg	0.00064	ND
1,2-Dichlorobenzene	0.947	mg/kg	0.0020	ND
1,2-Dichloroethane	0.947	mg/kg	0.0020	ND
1,2-Dichloropropane	0.947	mg/kg	0.0020	ND
1,3-Dichlorobenzene	0.947	mg/kg	0.0020	ND
1,4-Dichlorobenzene	0.947	mg/kg	0.0020	ND
1,4-Dioxane	0.947	mg/kg	0.099	ND
2-Butanone	0.947	mg/kg	0.0020	ND
2-Hexanone	0.947	mg/kg	0.0020	ND
4-Methyl-2-pentanone	0.947	mg/kg	0.0020	ND
Acetone	0.947	mg/kg	0.0099	ND
Benzene	0.947	mg/kg	0.00099	ND
Bromochloromethane	0.947	mg/kg	0.0020	ND
Bromodichloromethane	0.947	mg/kg	0.0020	ND
Bromoform	0.947	mg/kg	0.0020	ND
Bromomethane	0.947	mg/kg	0.0020	ND
Carbon disulfide	0.947	mg/kg	0.0020	ND
Carbon tetrachloride	0.947	mg/kg	0.0020	ND
Chlorobenzene	0.947	mg/kg	0.0020	ND
Chloroethane	0.947	mg/kg	0.0020	ND
Chloroform	0.947	mg/kg	0.0020	ND
Chloromethane	0.947	mg/kg	0.0020	ND
cis-1,2-Dichloroethene	0.947	mg/kg	0.0020	ND
cis-1,3-Dichloropropene	0.947	mg/kg	0.0020	ND
Cyclohexane	0.947	mg/kg	0.0020	ND
Dibromochloromethane	0.947	mg/kg	0.0020	ND
Dichlorodifluoromethane	0.947	mg/kg	0.0020	ND
Ethylbenzene	0.947	mg/kg	0.00099	ND
Isopropylbenzene	0.947	mg/kg	0.00099	ND
m&p-Xylenes	0.947	mg/kg	0.0014	ND
Methyl Acetate	0.947	mg/kg	0.0020	ND
Methylcyclohexane	0.947	mg/kg	0.0020	ND
Methylene chloride	0.947	mg/kg	0.0020	ND
Methyl-t-butyl ether	0.947	mg/kg	0.00099	ND
o-Xylene	0.947	mg/kg	0.00099	ND
Styrene	0.947	mg/kg	0.0020	ND
t-Butyl Alcohol	0.947	mg/kg	0.0099	ND
Tetrachloroethene	0.947	mg/kg	0.0020	ND
Toluene	0.947	mg/kg	0.00099	ND
trans-1,2-Dichloroethene	0.947	mg/kg	0.0020	ND
trans-1,3-Dichloropropene	0.947	mg/kg	0.0020	ND
Trichloroethene	0.947	mg/kg	0.0020	ND
Trichlorofluoromethane	0.947	mg/kg	0.0020	ND
Vinyl chloride	0.947	mg/kg	0.0020	ND
Xylenes (Total)	0.947	mg/kg	0.00099	ND

Sample ID:	**SP-2-05**	**Collection Date:**	**10/18/2022**
Lab#:	**AD33983-009**	**Receipt Date:**	**10/18/2022**
Matrix:	**Soil**		

Sample ID: WC-SP-2-05 | **Collection Date: 10/18/2022**
Lab#: AD33983-010 | **Receipt Date: 10/18/2022**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**96**

Gasoline range organics 8015D(C6-C10)

Analyte	DF	Units	RL	Result
Gasoline Range Organics	94.9	mg/kg	25	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
1,4-Dichlorobenzene-d4	25.92	30	50	150	86	

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	0.10	ND
Acenaphthene	3	mg/kg	0.10	ND
Acenaphthylene	3	mg/kg	0.10	ND
Anthracene	3	mg/kg	0.10	ND
Benzo[a]anthracene	**3**	**mg/kg**	**0.10**	**0.20**
Benzo[a]pyrene	**3**	**mg/kg**	**0.10**	**0.19**
Benzo[b]fluoranthene	**3**	**mg/kg**	**0.10**	**0.27**
Benzo[g,h,i]perylene	**3**	**mg/kg**	**0.10**	**0.14**
Benzo[k]fluoranthene	3	mg/kg	0.10	ND
Chrysene	**3**	**mg/kg**	**0.10**	**0.19**
Dibenzo[a,h]anthracene	3	mg/kg	0.10	ND
Fluoranthene	**3**	**mg/kg**	**0.10**	**0.39**
Fluorene	3	mg/kg	0.10	ND
Indeno[1,2,3-cd]pyrene	**3**	**mg/kg**	**0.10**	**0.12**
Naphthalene	3	mg/kg	0.026	ND
Phenanthrene	**3**	**mg/kg**	**0.10**	**0.23**
Pyrene	**3**	**mg/kg**	**0.10**	**0.37**

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	0.026	ND
Aroclor-1016	1	mg/kg	0.026	ND
Aroclor-1221	1	mg/kg	0.026	ND
Aroclor-1232	1	mg/kg	0.026	ND
Aroclor-1242	1	mg/kg	0.026	ND
Aroclor-1248	1	mg/kg	0.026	ND
Aroclor-1254	1	mg/kg	0.026	ND
Aroclor-1260	1	mg/kg	0.026	ND
Aroclor-1262	1	mg/kg	0.026	ND
Aroclor-1268	1	mg/kg	0.026	ND

Sample ID: WC-SP-2-05 **Collection Date: 10/18/2022**
Lab#: AD33983-010 **Receipt Date: 10/18/2022**
Matrix: Soil

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
TCMX-Surrogate	111.01	100	37	141	111	
TCMX-Surrogate	109.84	100	37	141	110	
DCB-Surrogate	122.70	100	34	146	123	
DCB-Surrogate	124.82	100	34	146	125	

pH 9045D

Analyte	DF	Units	RL	Result
pH	**1**	**ph**		**8.1**
Temperature	**1**	**c**		**20.9**

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**	**0.61**
Cadmium	1	mg/l	0.050	ND
Chromium	1	mg/l	0.10	ND
Lead	**1**	**mg/l**	**0.050**	**0.92**
Selenium	1	mg/l	0.10	ND
Silver	1	mg/l	0.050	ND

TPH 8015D (C8-C44)

Analyte	DF	Units	RL	Result
Total Petroleum Hydrocarbons	**1**	**mg/kg**	**63**	**120**

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
O-Terphenyl	13.11	20	30	146	66	
Chlorobenzene	11.00	20	20	117	55	

Sample ID: SP-2-06 | **Collection Date: 10/18/2022**
Lab#: AD33983-011 | **Receipt Date: 10/18/2022**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**93**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.967	mg/kg	0.0021	ND
1,1,2,2-Tetrachloroethane	0.967	mg/kg	0.0021	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.967	mg/kg	0.0021	ND
1,1,2-Trichloroethane	0.967	mg/kg	0.0021	ND
1,1-Dichloroethane	0.967	mg/kg	0.0021	ND
1,1-Dichloroethene	0.967	mg/kg	0.0021	ND
1,2,3-Trichlorobenzene	0.967	mg/kg	0.0021	ND
1,2,4-Trichlorobenzene	0.967	mg/kg	0.0021	ND
1,2-Dibromo-3-chloropropane	0.967	mg/kg	0.0021	ND
1,2-Dibromoethane	0.967	mg/kg	0.00068	ND
1,2-Dichlorobenzene	0.967	mg/kg	0.0021	ND
1,2-Dichloroethane	0.967	mg/kg	0.0021	ND
1,2-Dichloropropane	0.967	mg/kg	0.0021	ND
1,3-Dichlorobenzene	0.967	mg/kg	0.0021	ND
1,4-Dichlorobenzene	0.967	mg/kg	0.0021	ND
1,4-Dioxane	0.967	mg/kg	0.10	ND
2-Butanone	0.967	mg/kg	0.0021	ND
2-Hexanone	0.967	mg/kg	0.0021	ND
4-Methyl-2-pentanone	0.967	mg/kg	0.0021	ND
Acetone	0.967	mg/kg	0.010	ND
Benzene	0.967	mg/kg	0.0010	ND
Bromochloromethane	0.967	mg/kg	0.0021	ND
Bromodichloromethane	0.967	mg/kg	0.0021	ND
Bromoform	0.967	mg/kg	0.0021	ND
Bromomethane	0.967	mg/kg	0.0021	ND
Carbon disulfide	0.967	mg/kg	0.0021	ND
Carbon tetrachloride	0.967	mg/kg	0.0021	ND
Chlorobenzene	0.967	mg/kg	0.0021	ND
Chloroethane	0.967	mg/kg	0.0021	ND
Chloroform	0.967	mg/kg	0.0021	ND
Chloromethane	0.967	mg/kg	0.0021	ND
cis-1,2-Dichloroethene	0.967	mg/kg	0.0021	ND
cis-1,3-Dichloropropene	0.967	mg/kg	0.0021	ND
Cyclohexane	0.967	mg/kg	0.0021	ND
Dibromochloromethane	0.967	mg/kg	0.0021	ND
Dichlorodifluoromethane	0.967	mg/kg	0.0021	ND
Ethylbenzene	0.967	mg/kg	0.0010	ND
Isopropylbenzene	0.967	mg/kg	0.0010	ND
m&p-Xylenes	0.967	mg/kg	0.0015	ND
Methyl Acetate	0.967	mg/kg	0.0021	ND
Methylcyclohexane	0.967	mg/kg	0.0021	ND
Methylene chloride	0.967	mg/kg	0.0021	ND
Methyl-t-butyl ether	0.967	mg/kg	0.0010	ND
o-Xylene	0.967	mg/kg	0.0010	ND
Styrene	0.967	mg/kg	0.0021	ND
t-Butyl Alcohol	0.967	mg/kg	0.010	ND
Tetrachloroethene	0.967	mg/kg	0.0021	ND
Toluene	0.967	mg/kg	0.0010	ND
trans-1,2-Dichloroethene	0.967	mg/kg	0.0021	ND
trans-1,3-Dichloropropene	0.967	mg/kg	0.0021	ND
Trichloroethene	0.967	mg/kg	0.0021	ND
Trichlorofluoromethane	0.967	mg/kg	0.0021	ND
Vinyl chloride	0.967	mg/kg	0.0021	ND
Xylenes (Total)	0.967	mg/kg	0.0010	ND

Sample ID:	**SP-2-06**	**Collection Date:**	**10/18/2022**
Lab#:	**AD33983-011**	**Receipt Date:**	**10/18/2022**
Matrix:	**Soil**		

Sample ID: WC-SP-2-06 | **Collection Date: 10/18/2022**
Lab#: AD33983-012 | **Receipt Date: 10/18/2022**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**95**

Gasoline range organics 8015D(C6-C10)

Analyte	DF	Units	RL	Result
Gasoline Range Organics	93.5	mg/kg	25	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
1,4-Dichlorobenzene-d4	26.23	30	50	150	87	

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	0.035	ND
Acenaphthene	1	mg/kg	0.035	ND
Acenaphthylene	1	mg/kg	0.035	ND
Anthracene	**1**	**mg/kg**	**0.035**	**0.065**
Benzo[a]anthracene	**1**	**mg/kg**	**0.035**	**0.25**
Benzo[a]pyrene	**1**	**mg/kg**	**0.035**	**0.25**
Benzo[b]fluoranthene	**1**	**mg/kg**	**0.035**	**0.38**
Benzo[g,h,i]perylene	**1**	**mg/kg**	**0.035**	**0.13**
Benzo[k]fluoranthene	**1**	**mg/kg**	**0.035**	**0.097**
Chrysene	**1**	**mg/kg**	**0.035**	**0.24**
Dibenzo[a,h]anthracene	**1**	**mg/kg**	**0.035**	**0.039**
Fluoranthene	**1**	**mg/kg**	**0.035**	**0.42**
Fluorene	1	mg/kg	0.035	ND
Indeno[1,2,3-cd]pyrene	**1**	**mg/kg**	**0.035**	**0.13**
Naphthalene	**1**	**mg/kg**	**0.0088**	**0.010**
Phenanthrene	**1**	**mg/kg**	**0.035**	**0.24**
Pyrene	**1**	**mg/kg**	**0.035**	**0.42**

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	0.026	ND
Aroclor-1016	1	mg/kg	0.026	ND
Aroclor-1221	1	mg/kg	0.026	ND
Aroclor-1232	1	mg/kg	0.026	ND
Aroclor-1242	1	mg/kg	0.026	ND
Aroclor-1248	1	mg/kg	0.026	ND
Aroclor-1254	1	mg/kg	0.026	ND
Aroclor-1260	1	mg/kg	0.026	ND
Aroclor-1262	1	mg/kg	0.026	ND
Aroclor-1268	1	mg/kg	0.026	ND

Sample ID: WC-SP-2-06 **Collection Date: 10/18/2022**
Lab#: AD33983-012 **Receipt Date: 10/18/2022**
Matrix: Soil

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
TCMX-Surrogate	107.97	100	37	141	108	
TCMX-Surrogate	107.31	100	37	141	107	
DCB-Surrogate	103.73	100	34	146	104	
DCB-Surrogate	106.50	100	34	146	106	

pH 9045D

Analyte	DF	Units	RL	Result
pH	**1**	**ph**		**8.5**
Temperature	**1**	**c**		**21.4**

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**	**0.53**
Cadmium	1	mg/l	0.050	ND
Chromium	1	mg/l	0.10	ND
Lead	**1**	**mg/l**	**0.050**	**8.4**
Selenium	1	mg/l	0.10	ND
Silver	1	mg/l	0.050	ND

TPH 8015D (C8-C44)

Analyte	DF	Units	RL	Result
Total Petroleum Hydrocarbons	**1**	**mg/kg**	**63**	**67**

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
O-Terphenyl	16.24	20	30	146	81	
Chlorobenzene	14.72	20	20	117	74	

Sample ID: SP-2-07 **Collection Date: 10/18/2022**
Lab#: AD33983-013 **Receipt Date: 10/18/2022**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**91**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.929	mg/kg	0.0020	ND
1,1,2,2-Tetrachloroethane	0.929	mg/kg	0.0020	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.929	mg/kg	0.0020	ND
1,1,2-Trichloroethane	0.929	mg/kg	0.0020	ND
1,1-Dichloroethane	0.929	mg/kg	0.0020	ND
1,1-Dichloroethene	0.929	mg/kg	0.0020	ND
1,2,3-Trichlorobenzene	0.929	mg/kg	0.0020	ND
1,2,4-Trichlorobenzene	0.929	mg/kg	0.0020	ND
1,2-Dibromo-3-chloropropane	0.929	mg/kg	0.0020	ND
1,2-Dibromoethane	0.929	mg/kg	0.00066	ND
1,2-Dichlorobenzene	0.929	mg/kg	0.0020	ND
1,2-Dichloroethane	0.929	mg/kg	0.0020	ND
1,2-Dichloropropane	0.929	mg/kg	0.0020	ND
1,3-Dichlorobenzene	0.929	mg/kg	0.0020	ND
1,4-Dichlorobenzene	0.929	mg/kg	0.0020	ND
1,4-Dioxane	0.929	mg/kg	0.10	ND
2-Butanone	0.929	mg/kg	0.0020	ND
2-Hexanone	0.929	mg/kg	0.0020	ND
4-Methyl-2-pentanone	0.929	mg/kg	0.0020	ND
Acetone	0.929	mg/kg	0.010	ND
Benzene	0.929	mg/kg	0.0010	ND
Bromochloromethane	0.929	mg/kg	0.0020	ND
Bromodichloromethane	0.929	mg/kg	0.0020	ND
Bromoform	0.929	mg/kg	0.0020	ND
Bromomethane	0.929	mg/kg	0.0020	ND
Carbon disulfide	0.929	mg/kg	0.0020	ND
Carbon tetrachloride	0.929	mg/kg	0.0020	ND
Chlorobenzene	0.929	mg/kg	0.0020	ND
Chloroethane	0.929	mg/kg	0.0020	ND
Chloroform	0.929	mg/kg	0.0020	ND
Chloromethane	0.929	mg/kg	0.0020	ND
cis-1,2-Dichloroethene	0.929	mg/kg	0.0020	ND
cis-1,3-Dichloropropene	0.929	mg/kg	0.0020	ND
Cyclohexane	0.929	mg/kg	0.0020	ND
Dibromochloromethane	0.929	mg/kg	0.0020	ND
Dichlorodifluoromethane	0.929	mg/kg	0.0020	ND
Ethylbenzene	0.929	mg/kg	0.0010	ND
Isopropylbenzene	0.929	mg/kg	0.0010	ND
m&p-Xylenes	0.929	mg/kg	0.0015	ND
Methyl Acetate	0.929	mg/kg	0.0020	ND
Methylcyclohexane	0.929	mg/kg	0.0020	ND
Methylene chloride	0.929	mg/kg	0.0020	ND
Methyl-t-butyl ether	0.929	mg/kg	0.0010	ND
o-Xylene	0.929	mg/kg	0.0010	ND
Styrene	0.929	mg/kg	0.0020	ND
t-Butyl Alcohol	0.929	mg/kg	0.010	ND
Tetrachloroethene	0.929	mg/kg	0.0020	ND
Toluene	0.929	mg/kg	0.0010	ND
trans-1,2-Dichloroethene	0.929	mg/kg	0.0020	ND
trans-1,3-Dichloropropene	0.929	mg/kg	0.0020	ND
Trichloroethene	0.929	mg/kg	0.0020	ND
Trichlorofluoromethane	0.929	mg/kg	0.0020	ND
Vinyl chloride	0.929	mg/kg	0.0020	ND
Xylenes (Total)	0.929	mg/kg	0.0010	ND

Sample ID:	**SP-2-07**	**Collection Date:**	**10/18/2022**
Lab#:	**AD33983-013**	**Receipt Date:**	**10/18/2022**
Matrix:	**Soil**		

Sample ID: WC-SP-2-07 | **Collection Date: 10/18/2022**
Lab#: AD33983-014 | **Receipt Date: 10/18/2022**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**91**

Gasoline range organics 8015D(C6-C10)

Analyte	DF	Units	RL	Result
Gasoline Range Organics	93.8	mg/kg	26	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
1,4-Dichlorobenzene-d4	22.85	30	50	150	76	

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	0.11	ND
Acenaphthene	**3**	**mg/kg**	**0.11**	**0.19**
Acenaphthylene	3	mg/kg	0.11	ND
Anthracene	**3**	**mg/kg**	**0.11**	**0.55**
Benzo[a]anthracene	**3**	**mg/kg**	**0.11**	**2.1**
Benzo[a]pyrene	**3**	**mg/kg**	**0.11**	**2.0**
Benzo[b]fluoranthene	**3**	**mg/kg**	**0.11**	**2.8**
Benzo[g,h,i]perylene	**3**	**mg/kg**	**0.11**	**1.3**
Benzo[k]fluoranthene	**3**	**mg/kg**	**0.11**	**0.82**
Chrysene	**3**	**mg/kg**	**0.11**	**2.0**
Dibenzo[a,h]anthracene	**3**	**mg/kg**	**0.11**	**0.35**
Fluoranthene	**3**	**mg/kg**	**0.11**	**4.0**
Fluorene	**3**	**mg/kg**	**0.11**	**0.14**
Indeno[1,2,3-cd]pyrene	**3**	**mg/kg**	**0.11**	**1.1**
Naphthalene	**3**	**mg/kg**	**0.027**	**0.039**
Phenanthrene	**3**	**mg/kg**	**0.11**	**2.2**
Pyrene	**3**	**mg/kg**	**0.11**	**3.9**

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
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

Sample ID: WC-SP-2-07 **Collection Date: 10/18/2022**
Lab#: AD33983-014 **Receipt Date: 10/18/2022**
Matrix: Soil

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
TCMX-Surrogate	110.11	100	37	141	110	
TCMX-Surrogate	109.11	100	37	141	109	
DCB-Surrogate	109.37	100	34	146	109	
DCB-Surrogate	112.04	100	34	146	112	

pH 9045D

Analyte	DF	Units	RL	Result
pH	**1**	**ph**		**7.8**
Temperature	**1**	**c**		**20.7**

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**	**0.43**
Cadmium	1	mg/l	0.050	ND
Chromium	1	mg/l	0.10	ND
Lead	**1**	**mg/l**	**0.050**	**0.26**
Selenium	1	mg/l	0.10	ND
Silver	1	mg/l	0.050	ND

TPH 8015D (C8-C44)

Analyte	DF	Units	RL	Result
Total Petroleum Hydrocarbons	**5**	**mg/kg**	**330**	**1300**

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
O-Terphenyl	1.98	20	30	146	50	
Chlorobenzene	1.19	20	20	117	30	

Sample ID: SP-2-08 **Collection Date: 10/18/2022**
Lab#: AD33983-015 **Receipt Date: 10/18/2022**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**93**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.867	mg/kg	0.0019	ND
1,1,2,2-Tetrachloroethane	0.867	mg/kg	0.0019	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.867	mg/kg	0.0019	ND
1,1,2-Trichloroethane	0.867	mg/kg	0.0019	ND
1,1-Dichloroethane	0.867	mg/kg	0.0019	ND
1,1-Dichloroethene	0.867	mg/kg	0.0019	ND
1,2,3-Trichlorobenzene	0.867	mg/kg	0.0019	ND
1,2,4-Trichlorobenzene	0.867	mg/kg	0.0019	ND
1,2-Dibromo-3-chloropropane	0.867	mg/kg	0.0019	ND
1,2-Dibromoethane	0.867	mg/kg	0.00061	ND
1,2-Dichlorobenzene	0.867	mg/kg	0.0019	ND
1,2-Dichloroethane	0.867	mg/kg	0.0019	ND
1,2-Dichloropropane	0.867	mg/kg	0.0019	ND
1,3-Dichlorobenzene	0.867	mg/kg	0.0019	ND
1,4-Dichlorobenzene	0.867	mg/kg	0.0019	ND
1,4-Dioxane	0.867	mg/kg	0.093	ND
2-Butanone	0.867	mg/kg	0.0019	ND
2-Hexanone	0.867	mg/kg	0.0019	ND
4-Methyl-2-pentanone	0.867	mg/kg	0.0019	ND
Acetone	0.867	mg/kg	0.0093	ND
Benzene	0.867	mg/kg	0.00093	ND
Bromochloromethane	0.867	mg/kg	0.0019	ND
Bromodichloromethane	0.867	mg/kg	0.0019	ND
Bromoform	0.867	mg/kg	0.0019	ND
Bromomethane	0.867	mg/kg	0.0019	ND
Carbon disulfide	0.867	mg/kg	0.0019	ND
Carbon tetrachloride	0.867	mg/kg	0.0019	ND
Chlorobenzene	0.867	mg/kg	0.0019	ND
Chloroethane	0.867	mg/kg	0.0019	ND
Chloroform	0.867	mg/kg	0.0019	ND
Chloromethane	0.867	mg/kg	0.0019	ND
cis-1,2-Dichloroethene	0.867	mg/kg	0.0019	ND
cis-1,3-Dichloropropene	0.867	mg/kg	0.0019	ND
Cyclohexane	0.867	mg/kg	0.0019	ND
Dibromochloromethane	0.867	mg/kg	0.0019	ND
Dichlorodifluoromethane	0.867	mg/kg	0.0019	ND
Ethylbenzene	0.867	mg/kg	0.00093	ND
Isopropylbenzene	0.867	mg/kg	0.00093	ND
m&p-Xylenes	0.867	mg/kg	0.0014	ND
Methyl Acetate	0.867	mg/kg	0.0019	ND
Methylcyclohexane	0.867	mg/kg	0.0019	ND
Methylene chloride	0.867	mg/kg	0.0019	ND
Methyl-t-butyl ether	0.867	mg/kg	0.00093	ND
o-Xylene	0.867	mg/kg	0.00093	ND
Styrene	0.867	mg/kg	0.0019	ND
t-Butyl Alcohol	0.867	mg/kg	0.0093	ND
Tetrachloroethene	0.867	mg/kg	0.0019	ND
Toluene	0.867	mg/kg	0.00093	ND
trans-1,2-Dichloroethene	0.867	mg/kg	0.0019	ND
trans-1,3-Dichloropropene	0.867	mg/kg	0.0019	ND
Trichloroethene	0.867	mg/kg	0.0019	ND
Trichlorofluoromethane	0.867	mg/kg	0.0019	ND
Vinyl chloride	0.867	mg/kg	0.0019	ND
Xylenes (Total)	0.867	mg/kg	0.00093	ND

Sample ID:	**SP-2-08**	**Collection Date:**	**10/18/2022**
Lab#:	**AD33983-015**	**Receipt Date:**	**10/18/2022**
Matrix:	**Soil**		

Sample ID: WC-SP-2-08 | **Collection Date: 10/18/2022**
Lab#: AD33983-016 | **Receipt Date: 10/18/2022**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**93**

Gasoline range organics 8015D(C6-C10)

Analyte	DF	Units	RL	Result
Gasoline Range Organics	89.8	mg/kg	24	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
1,4-Dichlorobenzene-d4	30.75	30	50	150	102	

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	5	mg/kg	0.18	ND
Acenaphthene	**5**	**mg/kg**	**0.18**	**0.31**
Acenaphthylene	**5**	**mg/kg**	**0.18**	**0.40**
Anthracene	**5**	**mg/kg**	**0.18**	**1.9**
Benzo[a]anthracene	**5**	**mg/kg**	**0.18**	**4.8**
Benzo[a]pyrene	**5**	**mg/kg**	**0.18**	**4.2**
Benzo[b]fluoranthene	**5**	**mg/kg**	**0.18**	**5.4**
Benzo[g,h,i]perylene	**5**	**mg/kg**	**0.18**	**2.1**
Benzo[k]fluoranthene	**5**	**mg/kg**	**0.18**	**1.8**
Chrysene	**5**	**mg/kg**	**0.18**	**4.6**
Dibenzo[a,h]anthracene	**5**	**mg/kg**	**0.18**	**0.65**
Fluoranthene	**5**	**mg/kg**	**0.18**	**9.9**
Fluorene	**5**	**mg/kg**	**0.18**	**0.48**
Indeno[1,2,3-cd]pyrene	**5**	**mg/kg**	**0.18**	**2.1**
Naphthalene	5	mg/kg	0.045	ND
Phenanthrene	**5**	**mg/kg**	**0.18**	**6.1**
Pyrene	**5**	**mg/kg**	**0.18**	**9.1**

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
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

Sample ID: WC-SP-2-08 **Collection Date: 10/18/2022**
Lab#: AD33983-016 **Receipt Date: 10/18/2022**
Matrix: Soil

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
TCMX-Surrogate	100.27	100	37	141	100	
TCMX-Surrogate	99.15	100	37	141	99	
DCB-Surrogate	99.16	100	34	146	99	
DCB-Surrogate	101.31	100	34	146	101	

pH 9045D

Analyte	DF	Units	RL	Result
pH	**1**	**ph**		**8.1**
Temperature	**1**	**c**		**21.1**

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**	**0.64**
Cadmium	1	mg/l	0.050	ND
Chromium	1	mg/l	0.10	ND
Lead	**1**	**mg/l**	**0.050**	**0.34**
Selenium	1	mg/l	0.10	ND
Silver	1	mg/l	0.050	ND

TPH 8015D (C8-C44)

Analyte	DF	Units	RL	Result
Total Petroleum Hydrocarbons	**1**	**mg/kg**	**65**	**240**

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
O-Terphenyl	16.04	20	30	146	80	
Chlorobenzene	13.73	20	20	117	69	

Sample ID: SP-2-09 **Collection Date:** 10/18/2022
Lab#: AD33983-017 **Receipt Date:** 10/18/2022
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		94

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.992	mg/kg	0.0021	ND
1,1,2,2-Tetrachloroethane	0.992	mg/kg	0.0021	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.992	mg/kg	0.0021	ND
1,1,2-Trichloroethane	0.992	mg/kg	0.0021	ND
1,1-Dichloroethane	0.992	mg/kg	0.0021	ND
1,1-Dichloroethene	0.992	mg/kg	0.0021	ND
1,2,3-Trichlorobenzene	0.992	mg/kg	0.0021	ND
1,2,4-Trichlorobenzene	0.992	mg/kg	0.0021	ND
1,2-Dibromo-3-chloropropane	0.992	mg/kg	0.0021	ND
1,2-Dibromoethane	0.992	mg/kg	0.00069	ND
1,2-Dichlorobenzene	0.992	mg/kg	0.0021	ND
1,2-Dichloroethane	0.992	mg/kg	0.0021	ND
1,2-Dichloropropane	0.992	mg/kg	0.0021	ND
1,3-Dichlorobenzene	0.992	mg/kg	0.0021	ND
1,4-Dichlorobenzene	0.992	mg/kg	0.0021	ND
1,4-Dioxane	0.992	mg/kg	0.11	ND
2-Butanone	0.992	mg/kg	0.0021	ND
2-Hexanone	0.992	mg/kg	0.0021	ND
4-Methyl-2-pentanone	0.992	mg/kg	0.0021	ND
Acetone	0.992	mg/kg	0.011	ND
Benzene	0.992	mg/kg	0.0011	ND
Bromochloromethane	0.992	mg/kg	0.0021	ND
Bromodichloromethane	0.992	mg/kg	0.0021	ND
Bromoform	0.992	mg/kg	0.0021	ND
Bromomethane	0.992	mg/kg	0.0021	ND
Carbon disulfide	0.992	mg/kg	0.0021	ND
Carbon tetrachloride	0.992	mg/kg	0.0021	ND
Chlorobenzene	0.992	mg/kg	0.0021	ND
Chloroethane	0.992	mg/kg	0.0021	ND
Chloroform	0.992	mg/kg	0.0021	ND
Chloromethane	0.992	mg/kg	0.0021	ND
cis-1,2-Dichloroethene	0.992	mg/kg	0.0021	ND
cis-1,3-Dichloropropene	0.992	mg/kg	0.0021	ND
Cyclohexane	0.992	mg/kg	0.0021	ND
Dibromochloromethane	0.992	mg/kg	0.0021	ND
Dichlorodifluoromethane	0.992	mg/kg	0.0021	ND
Ethylbenzene	0.992	mg/kg	0.0011	ND
Isopropylbenzene	0.992	mg/kg	0.0011	ND
m&p-Xylenes	0.992	mg/kg	0.0015	ND
Methyl Acetate	0.992	mg/kg	0.0021	ND
Methylcyclohexane	0.992	mg/kg	0.0021	ND
Methylene chloride	0.992	mg/kg	0.0021	ND
Methyl-t-butyl ether	0.992	mg/kg	0.0011	ND
o-Xylene	0.992	mg/kg	0.0011	ND
Styrene	0.992	mg/kg	0.0021	ND
t-Butyl Alcohol	0.992	mg/kg	0.011	ND
Tetrachloroethene	0.992	mg/kg	0.0021	ND
Toluene	0.992	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	0.992	mg/kg	0.0021	ND
trans-1,3-Dichloropropene	0.992	mg/kg	0.0021	ND
Trichloroethene	0.992	mg/kg	0.0021	ND
Trichlorofluoromethane	0.992	mg/kg	0.0021	ND
Vinyl chloride	0.992	mg/kg	0.0021	ND
Xylenes (Total)	0.992	mg/kg	0.0011	ND

Sample ID:	**SP-2-09**	**Collection Date:**	**10/18/2022**
Lab#:	**AD33983-017**	**Receipt Date:**	**10/18/2022**
Matrix:	**Soil**		

Sample ID: WC-SP-2-09 | **Collection Date: 10/18/2022**
Lab#: AD33983-018 | **Receipt Date: 10/18/2022**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**93**

Gasoline range organics 8015D(C6-C10)

Analyte	DF	Units	RL	Result
Gasoline Range Organics	101	mg/kg	27	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
1,4-Dichlorobenzene-d4	25.75	30	50	150	86	

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	0.036	ND
Acenaphthene	1	mg/kg	0.036	ND
Acenaphthylene	1	mg/kg	0.036	ND
Anthracene	**1**	**mg/kg**	**0.036**	**0.045**
Benzo[a]anthracene	**1**	**mg/kg**	**0.036**	**0.19**
Benzo[a]pyrene	**1**	**mg/kg**	**0.036**	**0.19**
Benzo[b]fluoranthene	**1**	**mg/kg**	**0.036**	**0.28**
Benzo[g,h,i]perylene	**1**	**mg/kg**	**0.036**	**0.10**
Benzo[k]fluoranthene	**1**	**mg/kg**	**0.036**	**0.066**
Chrysene	**1**	**mg/kg**	**0.036**	**0.18**
Dibenzo[a,h]anthracene	1	mg/kg	0.036	ND
Fluoranthene	**1**	**mg/kg**	**0.036**	**0.34**
Fluorene	1	mg/kg	0.036	ND
Indeno[1,2,3-cd]pyrene	**1**	**mg/kg**	**0.036**	**0.089**
Naphthalene	1	mg/kg	0.0090	ND
Phenanthrene	**1**	**mg/kg**	**0.036**	**0.18**
Pyrene	**1**	**mg/kg**	**0.036**	**0.35**

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
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

Sample ID: WC-SP-2-09 **Collection Date: 10/18/2022**
Lab#: AD33983-018 **Receipt Date: 10/18/2022**
Matrix: Soil

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
TCMX-Surrogate	106.10	100	37	141	106	
TCMX-Surrogate	104.30	100	37	141	104	
DCB-Surrogate	103.07	100	34	146	103	
DCB-Surrogate	105.93	100	34	146	106	

pH 9045D

Analyte	DF	Units	RL	Result
pH	**1**	**ph**		**8.3**
Temperature	**1**	**c**		**20.9**

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**	**0.59**
Cadmium	1	mg/l	0.050	ND
Chromium	1	mg/l	0.10	ND
Lead	**1**	**mg/l**	**0.050**	**0.14**
Selenium	1	mg/l	0.10	ND
Silver	1	mg/l	0.050	ND

TPH 8015D (C8-C44)

Analyte	DF	Units	RL	Result
Total Petroleum Hydrocarbons	**1**	**mg/kg**	**65**	**150**

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
O-Terphenyl	12.30	20	30	146	62	
Chlorobenzene	11.04	20	20	117	55	

Sample ID: SP-2-10 | **Collection Date: 10/18/2022**
Lab#: AD33983-019 | **Receipt Date: 10/18/2022**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**96**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.973	mg/kg	0.0020	ND
1,1,2,2-Tetrachloroethane	0.973	mg/kg	0.0020	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.973	mg/kg	0.0020	ND
1,1,2-Trichloroethane	0.973	mg/kg	0.0020	ND
1,1-Dichloroethane	0.973	mg/kg	0.0020	ND
1,1-Dichloroethene	0.973	mg/kg	0.0020	ND
1,2,3-Trichlorobenzene	0.973	mg/kg	0.0020	ND
1,2,4-Trichlorobenzene	0.973	mg/kg	0.0020	ND
1,2-Dibromo-3-chloropropane	0.973	mg/kg	0.0020	ND
1,2-Dibromoethane	0.973	mg/kg	0.00066	ND
1,2-Dichlorobenzene	0.973	mg/kg	0.0020	ND
1,2-Dichloroethane	0.973	mg/kg	0.0020	ND
1,2-Dichloropropane	0.973	mg/kg	0.0020	ND
1,3-Dichlorobenzene	0.973	mg/kg	0.0020	ND
1,4-Dichlorobenzene	0.973	mg/kg	0.0020	ND
1,4-Dioxane	0.973	mg/kg	0.10	ND
2-Butanone	0.973	mg/kg	0.0020	ND
2-Hexanone	0.973	mg/kg	0.0020	ND
4-Methyl-2-pentanone	0.973	mg/kg	0.0020	ND
Acetone	0.973	mg/kg	0.010	ND
Benzene	0.973	mg/kg	0.0010	ND
Bromochloromethane	0.973	mg/kg	0.0020	ND
Bromodichloromethane	0.973	mg/kg	0.0020	ND
Bromoform	0.973	mg/kg	0.0020	ND
Bromomethane	0.973	mg/kg	0.0020	ND
Carbon disulfide	0.973	mg/kg	0.0020	ND
Carbon tetrachloride	0.973	mg/kg	0.0020	ND
Chlorobenzene	0.973	mg/kg	0.0020	ND
Chloroethane	0.973	mg/kg	0.0020	ND
Chloroform	0.973	mg/kg	0.0020	ND
Chloromethane	0.973	mg/kg	0.0020	ND
cis-1,2-Dichloroethene	0.973	mg/kg	0.0020	ND
cis-1,3-Dichloropropene	0.973	mg/kg	0.0020	ND
Cyclohexane	0.973	mg/kg	0.0020	ND
Dibromochloromethane	0.973	mg/kg	0.0020	ND
Dichlorodifluoromethane	0.973	mg/kg	0.0020	ND
Ethylbenzene	0.973	mg/kg	0.0010	ND
Isopropylbenzene	0.973	mg/kg	0.0010	ND
m&p-Xylenes	0.973	mg/kg	0.0015	ND
Methyl Acetate	0.973	mg/kg	0.0020	ND
Methylcyclohexane	0.973	mg/kg	0.0020	ND
Methylene chloride	0.973	mg/kg	0.0020	ND
Methyl-t-butyl ether	0.973	mg/kg	0.0010	ND
o-Xylene	0.973	mg/kg	0.0010	ND
Styrene	0.973	mg/kg	0.0020	ND
t-Butyl Alcohol	0.973	mg/kg	0.010	ND
Tetrachloroethene	0.973	mg/kg	0.0020	ND
Toluene	0.973	mg/kg	0.0010	ND
trans-1,2-Dichloroethene	0.973	mg/kg	0.0020	ND
trans-1,3-Dichloropropene	0.973	mg/kg	0.0020	ND
Trichloroethene	0.973	mg/kg	0.0020	ND
Trichlorofluoromethane	0.973	mg/kg	0.0020	ND
Vinyl chloride	0.973	mg/kg	0.0020	ND
Xylenes (Total)	0.973	mg/kg	0.0010	ND

Sample ID: SP-2-10	**Collection Date:** 10/18/2022
Lab#: AD33983-019	**Receipt Date:** 10/18/2022
Matrix: Soil	

Sample ID: WC-SP-2-10 | **Collection Date: 10/18/2022**
Lab#: AD33983-020 | **Receipt Date: 10/18/2022**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**96**

Gasoline range organics 8015D(C6-C10)

Analyte	DF	Units	RL	Result
Gasoline Range Organics	87.3	mg/kg	23	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
1,4-Dichlorobenzene-d4	23.88	30	50	150	80	

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	0.10	ND
Acenaphthene	3	mg/kg	0.10	ND
Acenaphthylene	3	mg/kg	0.10	ND
Anthracene	**3**	**mg/kg**	**0.10**	**0.11**
Benzo[a]anthracene	**3**	**mg/kg**	**0.10**	**0.44**
Benzo[a]pyrene	**3**	**mg/kg**	**0.10**	**0.47**
Benzo[b]fluoranthene	**3**	**mg/kg**	**0.10**	**0.56**
Benzo[g,h,i]perylene	**3**	**mg/kg**	**0.10**	**0.32**
Benzo[k]fluoranthene	**3**	**mg/kg**	**0.10**	**0.22**
Chrysene	**3**	**mg/kg**	**0.10**	**0.42**
Dibenzo[a,h]anthracene	3	mg/kg	0.10	ND
Fluoranthene	**3**	**mg/kg**	**0.10**	**0.78**
Fluorene	3	mg/kg	0.10	ND
Indeno[1,2,3-cd]pyrene	**3**	**mg/kg**	**0.10**	**0.26**
Naphthalene	3	mg/kg	0.026	ND
Phenanthrene	**3**	**mg/kg**	**0.10**	**0.46**
Pyrene	**3**	**mg/kg**	**0.10**	**0.76**

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	0.026	ND
Aroclor-1016	1	mg/kg	0.026	ND
Aroclor-1221	1	mg/kg	0.026	ND
Aroclor-1232	1	mg/kg	0.026	ND
Aroclor-1242	1	mg/kg	0.026	ND
Aroclor-1248	1	mg/kg	0.026	ND
Aroclor-1254	1	mg/kg	0.026	ND
Aroclor-1260	1	mg/kg	0.026	ND
Aroclor-1262	1	mg/kg	0.026	ND
Aroclor-1268	1	mg/kg	0.026	ND

Sample ID: WC-SP-2-10 **Collection Date: 10/18/2022**
Lab#: AD33983-020 **Receipt Date: 10/18/2022**
Matrix: Soil

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
TCMX-Surrogate	111.69	100	37	141	112	
TCMX-Surrogate	111.35	100	37	141	111	
DCB-Surrogate	109.42	100	34	146	109	
DCB-Surrogate	111.51	100	34	146	112	

pH 9045D

Analyte	DF	Units	RL	Result
pH	**1**	**ph**		**8.0**
Temperature	**1**	**c**		**21.0**

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**	**0.47**
Cadmium	1	mg/l	0.050	ND
Chromium	1	mg/l	0.10	ND
Lead	**1**	**mg/l**	**0.050**	**0.25**
Selenium	1	mg/l	0.10	ND
Silver	1	mg/l	0.050	ND

TPH 8015D (C8-C44)

Analyte	DF	Units	RL	Result
Total Petroleum Hydrocarbons	**1**	**mg/kg**	**63**	**210**

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
O-Terphenyl	13.74	20	30	146	69	
Chlorobenzene	9.20	20	20	117	46	

Sample ID: SW-03 | **Collection Date: 10/18/2022**
Lab#: AD33983-021 | **Receipt Date: 10/18/2022**
Matrix: Soil

% 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	0.832	mg/kg	0.0019	ND
1,1,2,2-Tetrachloroethane	0.832	mg/kg	0.0019	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.832	mg/kg	0.0019	ND
1,1,2-Trichloroethane	0.832	mg/kg	0.0019	ND
1,1-Dichloroethane	0.832	mg/kg	0.0019	ND
1,1-Dichloroethene	0.832	mg/kg	0.0019	ND
1,2,3-Trichlorobenzene	0.832	mg/kg	0.0019	ND
1,2,4-Trichlorobenzene	0.832	mg/kg	0.0019	ND
1,2-Dibromo-3-chloropropane	0.832	mg/kg	0.0019	ND
1,2-Dibromoethane	0.832	mg/kg	0.00061	ND
1,2-Dichlorobenzene	0.832	mg/kg	0.0019	ND
1,2-Dichloroethane	0.832	mg/kg	0.0019	ND
1,2-Dichloropropane	0.832	mg/kg	0.0019	ND
1,3-Dichlorobenzene	0.832	mg/kg	0.0019	ND
1,4-Dichlorobenzene	0.832	mg/kg	0.0019	ND
1,4-Dioxane	0.832	mg/kg	0.095	ND
2-Butanone	0.832	mg/kg	0.0019	ND
2-Hexanone	0.832	mg/kg	0.0019	ND
4-Methyl-2-pentanone	0.832	mg/kg	0.0019	ND
Acetone	0.832	mg/kg	0.0095	ND
Benzene	0.832	mg/kg	0.00095	ND
Bromochloromethane	0.832	mg/kg	0.0019	ND
Bromodichloromethane	0.832	mg/kg	0.0019	ND
Bromoform	0.832	mg/kg	0.0019	ND
Bromomethane	0.832	mg/kg	0.0019	ND
Carbon disulfide	0.832	mg/kg	0.0019	ND
Carbon tetrachloride	0.832	mg/kg	0.0019	ND
Chlorobenzene	0.832	mg/kg	0.0019	ND
Chloroethane	0.832	mg/kg	0.0019	ND
Chloroform	0.832	mg/kg	0.0019	ND
Chloromethane	0.832	mg/kg	0.0019	ND
cis-1,2-Dichloroethene	0.832	mg/kg	0.0019	ND
cis-1,3-Dichloropropene	0.832	mg/kg	0.0019	ND
Cyclohexane	0.832	mg/kg	0.0019	ND
Dibromochloromethane	0.832	mg/kg	0.0019	ND
Dichlorodifluoromethane	0.832	mg/kg	0.0019	ND
Ethylbenzene	0.832	mg/kg	0.00095	ND
Isopropylbenzene	0.832	mg/kg	0.00095	ND
m&p-Xylenes	0.832	mg/kg	0.0014	ND
Methyl Acetate	0.832	mg/kg	0.0019	ND
Methylcyclohexane	0.832	mg/kg	0.0019	ND
Methylene chloride	0.832	mg/kg	0.0019	ND
Methyl-t-butyl ether	0.832	mg/kg	0.00095	ND
o-Xylene	0.832	mg/kg	0.00095	ND
Styrene	0.832	mg/kg	0.0019	ND
t-Butyl Alcohol	0.832	mg/kg	0.0095	ND
Tetrachloroethene	0.832	mg/kg	0.0019	ND
Toluene	0.832	mg/kg	0.00095	ND
trans-1,2-Dichloroethene	0.832	mg/kg	0.0019	ND
trans-1,3-Dichloropropene	0.832	mg/kg	0.0019	ND
Trichloroethene	0.832	mg/kg	0.0019	ND
Trichlorofluoromethane	0.832	mg/kg	0.0019	ND
Vinyl chloride	0.832	mg/kg	0.0019	ND
Xylenes (Total)	0.832	mg/kg	0.00095	ND

Sample ID:	**SW-03**	**Collection Date:**	**10/18/2022**
Lab#:	**AD33983-021**	**Receipt Date:**	**10/18/2022**
Matrix:	**Soil**		

Sample ID: WC-SW-03 | **Collection Date: 10/18/2022**
Lab#: AD33983-022 | **Receipt Date: 10/18/2022**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**89**

Gasoline range organics 8015D(C6-C10)

Analyte	DF	Units	RL	Result
Gasoline Range Organics	88	mg/kg	25	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
1,4-Dichlorobenzene-d4	24.12	30	50	150	80	

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**	**0.088**
Acenaphthylene	**1**	**mg/kg**	**0.037**	**0.059**
Anthracene	**1**	**mg/kg**	**0.037**	**0.24**
Benzo[a]anthracene	**1**	**mg/kg**	**0.037**	**0.94**
Benzo[a]pyrene	**1**	**mg/kg**	**0.037**	**0.93**
Benzo[b]fluoranthene	**1**	**mg/kg**	**0.037**	**1.3**
Benzo[g,h,i]perylene	**1**	**mg/kg**	**0.037**	**0.46**
Benzo[k]fluoranthene	**1**	**mg/kg**	**0.037**	**0.44**
Chrysene	**1**	**mg/kg**	**0.037**	**0.93**
Dibenzo[a,h]anthracene	**1**	**mg/kg**	**0.037**	**0.14**
Fluoranthene	**1**	**mg/kg**	**0.037**	**1.7**
Fluorene	**1**	**mg/kg**	**0.037**	**0.064**
Indeno[1,2,3-cd]pyrene	**1**	**mg/kg**	**0.037**	**0.44**
Naphthalene	**1**	**mg/kg**	**0.0094**	**0.012**
Phenanthrene	**1**	**mg/kg**	**0.037**	**0.84**
Pyrene	**1**	**mg/kg**	**0.037**	**1.6**

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**	**0.028**	**0.18**
Aroclor-1016	1	mg/kg	0.028	ND
Aroclor-1221	1	mg/kg	0.028	ND
Aroclor-1232	1	mg/kg	0.028	ND
Aroclor-1242	1	mg/kg	0.028	ND
Aroclor-1248	1	mg/kg	0.028	ND
Aroclor-1254	**1**	**mg/kg**	**0.028**	**0.18**
Aroclor-1260	1	mg/kg	0.028	ND
Aroclor-1262	1	mg/kg	0.028	ND
Aroclor-1268	1	mg/kg	0.028	ND

Sample ID: WC-SW-03 **Collection Date: 10/18/2022**
Lab#: AD33983-022 **Receipt Date: 10/18/2022**
Matrix: Soil

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
TCMX-Surrogate	99.58	100	37	141	100	
TCMX-Surrogate	98.67	100	37	141	99	
DCB-Surrogate	108.17	100	34	146	108	
DCB-Surrogate	111.01	100	34	146	111	

pH 9045D

Analyte	DF	Units	RL	Result
pH	**1**	**ph**		**8.2**
Temperature	**1**	**c**		**20.7**

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**	**0.72**
Cadmium	1	mg/l	0.050	ND
Chromium	1	mg/l	0.10	ND
Lead	**1**	**mg/l**	**0.050**	**0.16**
Selenium	1	mg/l	0.10	ND
Silver	1	mg/l	0.050	ND

TPH 8015D (C8-C44)

Analyte	DF	Units	RL	Result
Total Petroleum Hydrocarbons	**1**	**mg/kg**	**67**	**92**

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
O-Terphenyl	11.42	20	30	146	57	
Chlorobenzene	10.35	20	20	117	52	

Sample ID: SW-01 **Collection Date: 10/18/2022**
Lab#: AD33983-023 **Receipt Date: 10/18/2022**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**89**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.99	mg/kg	0.0022	ND
1,1,2,2-Tetrachloroethane	0.99	mg/kg	0.0022	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.99	mg/kg	0.0022	ND
1,1,2-Trichloroethane	0.99	mg/kg	0.0022	ND
1,1-Dichloroethane	0.99	mg/kg	0.0022	ND
1,1-Dichloroethene	0.99	mg/kg	0.0022	ND
1,2,3-Trichlorobenzene	0.99	mg/kg	0.0022	ND
1,2,4-Trichlorobenzene	0.99	mg/kg	0.0022	ND
1,2-Dibromo-3-chloropropane	0.99	mg/kg	0.0022	ND
1,2-Dibromoethane	0.99	mg/kg	0.00072	ND
1,2-Dichlorobenzene	0.99	mg/kg	0.0022	ND
1,2-Dichloroethane	0.99	mg/kg	0.0022	ND
1,2-Dichloropropane	0.99	mg/kg	0.0022	ND
1,3-Dichlorobenzene	0.99	mg/kg	0.0022	ND
1,4-Dichlorobenzene	0.99	mg/kg	0.0022	ND
1,4-Dioxane	0.99	mg/kg	0.11	ND
2-Butanone	0.99	mg/kg	0.0022	ND
2-Hexanone	0.99	mg/kg	0.0022	ND
4-Methyl-2-pentanone	0.99	mg/kg	0.0022	ND
Acetone	0.99	mg/kg	0.011	ND
Benzene	0.99	mg/kg	0.0011	ND
Bromochloromethane	0.99	mg/kg	0.0022	ND
Bromodichloromethane	0.99	mg/kg	0.0022	ND
Bromoform	0.99	mg/kg	0.0022	ND
Bromomethane	0.99	mg/kg	0.0022	ND
Carbon disulfide	0.99	mg/kg	0.0022	ND
Carbon tetrachloride	0.99	mg/kg	0.0022	ND
Chlorobenzene	0.99	mg/kg	0.0022	ND
Chloroethane	0.99	mg/kg	0.0022	ND
Chloroform	0.99	mg/kg	0.0022	ND
Chloromethane	0.99	mg/kg	0.0022	ND
cis-1,2-Dichloroethene	0.99	mg/kg	0.0022	ND
cis-1,3-Dichloropropene	0.99	mg/kg	0.0022	ND
Cyclohexane	0.99	mg/kg	0.0022	ND
Dibromochloromethane	0.99	mg/kg	0.0022	ND
Dichlorodifluoromethane	0.99	mg/kg	0.0022	ND
Ethylbenzene	0.99	mg/kg	0.0011	ND
Isopropylbenzene	0.99	mg/kg	0.0011	ND
m&p-Xylenes	0.99	mg/kg	0.0016	ND
Methyl Acetate	0.99	mg/kg	0.0022	ND
Methylcyclohexane	0.99	mg/kg	0.0022	ND
Methylene chloride	0.99	mg/kg	0.0022	ND
Methyl-t-butyl ether	0.99	mg/kg	0.0011	ND
o-Xylene	0.99	mg/kg	0.0011	ND
Styrene	0.99	mg/kg	0.0022	ND
t-Butyl Alcohol	0.99	mg/kg	0.011	ND
Tetrachloroethene	0.99	mg/kg	0.0022	ND
Toluene	0.99	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	0.99	mg/kg	0.0022	ND
trans-1,3-Dichloropropene	0.99	mg/kg	0.0022	ND
Trichloroethene	0.99	mg/kg	0.0022	ND
Trichlorofluoromethane	0.99	mg/kg	0.0022	ND
Vinyl chloride	0.99	mg/kg	0.0022	ND
Xylenes (Total)	0.99	mg/kg	0.0011	ND

Sample ID:	**SW-01**	**Collection Date:**	**10/18/2022**
Lab#:	**AD33983-023**	**Receipt Date:**	**10/18/2022**
Matrix:	**Soil**		

Sample ID: WC-SW-01 | **Collection Date: 10/18/2022**
Lab#: AD33983-024 | **Receipt Date: 10/18/2022**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**89**

Gasoline range organics 8015D(C6-C10)

Analyte	DF	Units	RL	Result
Gasoline Range Organics	91.2	mg/kg	26	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
1,4-Dichlorobenzene-d4	18.36	30	50	150	61	

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**	**0.10**
Acenaphthylene	**1**	**mg/kg**	**0.037**	**0.047**
Anthracene	**1**	**mg/kg**	**0.037**	**0.25**
Benzo[a]anthracene	**1**	**mg/kg**	**0.037**	**0.94**
Benzo[a]pyrene	**1**	**mg/kg**	**0.037**	**0.93**
Benzo[b]fluoranthene	**1**	**mg/kg**	**0.037**	**1.2**
Benzo[g,h,i]perylene	**1**	**mg/kg**	**0.037**	**0.63**
Benzo[k]fluoranthene	**1**	**mg/kg**	**0.037**	**0.47**
Chrysene	**1**	**mg/kg**	**0.037**	**0.94**
Dibenzo[a,h]anthracene	**1**	**mg/kg**	**0.037**	**0.15**
Fluoranthene	**1**	**mg/kg**	**0.037**	**1.6**
Fluorene	**1**	**mg/kg**	**0.037**	**0.077**
Indeno[1,2,3-cd]pyrene	**1**	**mg/kg**	**0.037**	**0.58**
Naphthalene	**1**	**mg/kg**	**0.0094**	**0.015**
Phenanthrene	**1**	**mg/kg**	**0.037**	**0.92**
Pyrene	**1**	**mg/kg**	**0.037**	**1.6**

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**	**0.028**	**0.29**
Aroclor-1016	1	mg/kg	0.028	ND
Aroclor-1221	1	mg/kg	0.028	ND
Aroclor-1232	1	mg/kg	0.028	ND
Aroclor-1242	1	mg/kg	0.028	ND
Aroclor-1248	1	mg/kg	0.028	ND
Aroclor-1254	**1**	**mg/kg**	**0.028**	**0.20**
Aroclor-1260	1	mg/kg	0.028	ND
Aroclor-1262	**1**	**mg/kg**	**0.028**	**0.086**
Aroclor-1268	1	mg/kg	0.028	ND

Sample ID: WC-SW-01 **Collection Date: 10/18/2022**
Lab#: AD33983-024 **Receipt Date: 10/18/2022**
Matrix: Soil

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
TCMX-Surrogate	110.86	100	37	141	111	
TCMX-Surrogate	112.83	100	37	141	113	
DCB-Surrogate	142.51	100	34	146	143	
DCB-Surrogate	147.17	100	34	146	147	S8

pH 9045D

Analyte	DF	Units	RL	Result
pH	**1**	**ph**		**8.2**
Temperature	**1**	**c**		**21.1**

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**	**0.83**
Cadmium	1	mg/l	0.050	ND
Chromium	1	mg/l	0.10	ND
Lead	**1**	**mg/l**	**0.050**	**0.12**
Selenium	1	mg/l	0.10	ND
Silver	1	mg/l	0.050	ND

TPH 8015D (C8-C44)

Analyte	DF	Units	RL	Result
Total Petroleum Hydrocarbons	**1**	**mg/kg**	**67**	**92**

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
O-Terphenyl	15.56	20	30	146	78	
Chlorobenzene	13.45	20	20	117	67	

Sample ID: SW-02 | **Collection Date: 10/18/2022**
Lab#: AD33983-025 | **Receipt Date: 10/18/2022**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**94**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.923	mg/kg	0.0020	ND
1,1,2,2-Tetrachloroethane	0.923	mg/kg	0.0020	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.923	mg/kg	0.0020	ND
1,1,2-Trichloroethane	0.923	mg/kg	0.0020	ND
1,1-Dichloroethane	0.923	mg/kg	0.0020	ND
1,1-Dichloroethene	0.923	mg/kg	0.0020	ND
1,2,3-Trichlorobenzene	0.923	mg/kg	0.0020	ND
1,2,4-Trichlorobenzene	0.923	mg/kg	0.0020	ND
1,2-Dibromo-3-chloropropane	0.923	mg/kg	0.0020	ND
1,2-Dibromoethane	0.923	mg/kg	0.00064	ND
1,2-Dichlorobenzene	0.923	mg/kg	0.0020	ND
1,2-Dichloroethane	0.923	mg/kg	0.0020	ND
1,2-Dichloropropane	0.923	mg/kg	0.0020	ND
1,3-Dichlorobenzene	0.923	mg/kg	0.0020	ND
1,4-Dichlorobenzene	0.923	mg/kg	0.0020	ND
1,4-Dioxane	0.923	mg/kg	0.098	ND
2-Butanone	0.923	mg/kg	0.0020	ND
2-Hexanone	0.923	mg/kg	0.0020	ND
4-Methyl-2-pentanone	0.923	mg/kg	0.0020	ND
Acetone	0.923	mg/kg	0.0098	ND
Benzene	0.923	mg/kg	0.00098	ND
Bromochloromethane	0.923	mg/kg	0.0020	ND
Bromodichloromethane	0.923	mg/kg	0.0020	ND
Bromoform	0.923	mg/kg	0.0020	ND
Bromomethane	0.923	mg/kg	0.0020	ND
Carbon disulfide	0.923	mg/kg	0.0020	ND
Carbon tetrachloride	0.923	mg/kg	0.0020	ND
Chlorobenzene	0.923	mg/kg	0.0020	ND
Chloroethane	0.923	mg/kg	0.0020	ND
Chloroform	0.923	mg/kg	0.0020	ND
Chloromethane	0.923	mg/kg	0.0020	ND
cis-1,2-Dichloroethene	0.923	mg/kg	0.0020	ND
cis-1,3-Dichloropropene	0.923	mg/kg	0.0020	ND
Cyclohexane	0.923	mg/kg	0.0020	ND
Dibromochloromethane	0.923	mg/kg	0.0020	ND
Dichlorodifluoromethane	0.923	mg/kg	0.0020	ND
Ethylbenzene	0.923	mg/kg	0.00098	ND
Isopropylbenzene	0.923	mg/kg	0.00098	ND
m&p-Xylenes	0.923	mg/kg	0.0014	ND
Methyl Acetate	0.923	mg/kg	0.0020	ND
Methylcyclohexane	0.923	mg/kg	0.0020	ND
Methylene chloride	0.923	mg/kg	0.0020	ND
Methyl-t-butyl ether	0.923	mg/kg	0.00098	ND
o-Xylene	0.923	mg/kg	0.00098	ND
Styrene	0.923	mg/kg	0.0020	ND
t-Butyl Alcohol	0.923	mg/kg	0.0098	ND
Tetrachloroethene	0.923	mg/kg	0.0020	ND
Toluene	0.923	mg/kg	0.00098	ND
trans-1,2-Dichloroethene	0.923	mg/kg	0.0020	ND
trans-1,3-Dichloropropene	0.923	mg/kg	0.0020	ND
Trichloroethene	0.923	mg/kg	0.0020	ND
Trichlorofluoromethane	0.923	mg/kg	0.0020	ND
Vinyl chloride	0.923	mg/kg	0.0020	ND
Xylenes (Total)	0.923	mg/kg	0.00098	ND

Sample ID:	**SW-02**	**Collection Date:**	**10/18/2022**
Lab#:	**AD33983-025**	**Receipt Date:**	**10/18/2022**
Matrix:	**Soil**		

Sample ID: WC-SW-02 | **Collection Date: 10/18/2022**
Lab#: AD33983-026 | **Receipt Date: 10/18/2022**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**93**

Gasoline range organics 8015D(C6-C10)

Analyte	DF	Units	RL	Result
Gasoline Range Organics	89	mg/kg	24	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
1,4-Dichlorobenzene-d4	28.15	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	0.036	ND
Acenaphthene	1	mg/kg	0.036	ND
Acenaphthylene	1	mg/kg	0.036	ND
Anthracene	**1**	**mg/kg**	**0.036**	**0.039**
Benzo[a]anthracene	**1**	**mg/kg**	**0.036**	**0.18**
Benzo[a]pyrene	**1**	**mg/kg**	**0.036**	**0.19**
Benzo[b]fluoranthene	**1**	**mg/kg**	**0.036**	**0.27**
Benzo[g,h,i]perylene	**1**	**mg/kg**	**0.036**	**0.098**
Benzo[k]fluoranthene	**1**	**mg/kg**	**0.036**	**0.10**
Chrysene	**1**	**mg/kg**	**0.036**	**0.17**
Dibenzo[a,h]anthracene	1	mg/kg	0.036	ND
Fluoranthene	**1**	**mg/kg**	**0.036**	**0.29**
Fluorene	1	mg/kg	0.036	ND
Indeno[1,2,3-cd]pyrene	**1**	**mg/kg**	**0.036**	**0.093**
Naphthalene	1	mg/kg	0.0090	ND
Phenanthrene	**1**	**mg/kg**	**0.036**	**0.12**
Pyrene	**1**	**mg/kg**	**0.036**	**0.28**

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**	**0.20**
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
Aroclor-1248	1	mg/kg	0.027	ND
Aroclor-1254	**1**	**mg/kg**	**0.027**	**0.14**
Aroclor-1260	1	mg/kg	0.027	ND
Aroclor-1262	**1**	**mg/kg**	**0.027**	**0.056**
Aroclor-1268	1	mg/kg	0.027	ND

Sample ID: WC-SW-02 **Collection Date: 10/18/2022**
Lab#: AD33983-026 **Receipt Date: 10/18/2022**
Matrix: Soil

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
TCMX-Surrogate	100.64	100	37	141	101	
TCMX-Surrogate	102.11	100	37	141	102	
DCB-Surrogate	117.05	100	34	146	117	
DCB-Surrogate	118.64	100	34	146	119	

pH 9045D

Analyte	DF	Units	RL	Result
pH	**1**	**ph**		**8.0**
Temperature	**1**	**c**		**20.7**

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**	**0.84**
Cadmium	1	mg/l	0.050	ND
Chromium	1	mg/l	0.10	ND
Lead	**1**	**mg/l**	**0.050**	**0.12**
Selenium	1	mg/l	0.10	ND
Silver	1	mg/l	0.050	ND

TPH 8015D (C8-C44)

Analyte	DF	Units	RL	Result
Total Petroleum Hydrocarbons	1	mg/kg	65	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
O-Terphenyl	12.88	20	30	146	64	
Chlorobenzene	8.20	20	20	117	41	

Sample ID: SW-04 | **Collection Date: 10/18/2022**
Lab#: AD33983-027 | **Receipt Date: 10/18/2022**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**93**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1.01	mg/kg	0.0022	ND
1,1,2,2-Tetrachloroethane	1.01	mg/kg	0.0022	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1.01	mg/kg	0.0022	ND
1,1,2-Trichloroethane	1.01	mg/kg	0.0022	ND
1,1-Dichloroethane	1.01	mg/kg	0.0022	ND
1,1-Dichloroethene	1.01	mg/kg	0.0022	ND
1,2,3-Trichlorobenzene	1.01	mg/kg	0.0022	ND
1,2,4-Trichlorobenzene	1.01	mg/kg	0.0022	ND
1,2-Dibromo-3-chloropropane	1.01	mg/kg	0.0022	ND
1,2-Dibromoethane	1.01	mg/kg	0.00070	ND
1,2-Dichlorobenzene	1.01	mg/kg	0.0022	ND
1,2-Dichloroethane	1.01	mg/kg	0.0022	ND
1,2-Dichloropropane	1.01	mg/kg	0.0022	ND
1,3-Dichlorobenzene	1.01	mg/kg	0.0022	ND
1,4-Dichlorobenzene	1.01	mg/kg	0.0022	ND
1,4-Dioxane	1.01	mg/kg	0.11	ND
2-Butanone	1.01	mg/kg	0.0022	ND
2-Hexanone	1.01	mg/kg	0.0022	ND
4-Methyl-2-pentanone	1.01	mg/kg	0.0022	ND
Acetone	1.01	mg/kg	0.011	ND
Benzene	1.01	mg/kg	0.0011	ND
Bromochloromethane	1.01	mg/kg	0.0022	ND
Bromodichloromethane	1.01	mg/kg	0.0022	ND
Bromoform	1.01	mg/kg	0.0022	ND
Bromomethane	1.01	mg/kg	0.0022	ND
Carbon disulfide	1.01	mg/kg	0.0022	ND
Carbon tetrachloride	1.01	mg/kg	0.0022	ND
Chlorobenzene	1.01	mg/kg	0.0022	ND
Chloroethane	1.01	mg/kg	0.0022	ND
Chloroform	1.01	mg/kg	0.0022	ND
Chloromethane	1.01	mg/kg	0.0022	ND
cis-1,2-Dichloroethene	1.01	mg/kg	0.0022	ND
cis-1,3-Dichloropropene	1.01	mg/kg	0.0022	ND
Cyclohexane	1.01	mg/kg	0.0022	ND
Dibromochloromethane	1.01	mg/kg	0.0022	ND
Dichlorodifluoromethane	1.01	mg/kg	0.0022	ND
Ethylbenzene	1.01	mg/kg	0.0011	ND
Isopropylbenzene	1.01	mg/kg	0.0011	ND
m&p-Xylenes	1.01	mg/kg	0.0016	ND
Methyl Acetate	1.01	mg/kg	0.0022	ND
Methylcyclohexane	1.01	mg/kg	0.0022	ND
Methylene chloride	1.01	mg/kg	0.0022	ND
Methyl-t-butyl ether	1.01	mg/kg	0.0011	ND
o-Xylene	1.01	mg/kg	0.0011	ND
Styrene	1.01	mg/kg	0.0022	ND
t-Butyl Alcohol	1.01	mg/kg	0.011	ND
Tetrachloroethene	1.01	mg/kg	0.0022	ND
Toluene	1.01	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	1.01	mg/kg	0.0022	ND
trans-1,3-Dichloropropene	1.01	mg/kg	0.0022	ND
Trichloroethene	1.01	mg/kg	0.0022	ND
Trichlorofluoromethane	1.01	mg/kg	0.0022	ND
Vinyl chloride	1.01	mg/kg	0.0022	ND
Xylenes (Total)	1.01	mg/kg	0.0011	ND

Sample ID:	**SW-04**	**Collection Date:**	**10/18/2022**
Lab#:	**AD33983-027**	**Receipt Date:**	**10/18/2022**
Matrix:	**Soil**		

Sample ID: WC-SW-04 | **Collection Date: 10/18/2022**
Lab#: AD33983-028 | **Receipt Date: 10/18/2022**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**92**

Gasoline range organics 8015D(C6-C10)

Analyte	DF	Units	RL	Result
Gasoline Range Organics	93.3	mg/kg	25	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
1,4-Dichlorobenzene-d4	23.75	30	50	150	79	

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	0.11	ND
Acenaphthene	3	mg/kg	0.11	ND
Acenaphthylene	3	mg/kg	0.11	ND
Anthracene	3	mg/kg	0.11	ND
Benzo[a]anthracene	**3**	**mg/kg**	**0.11**	**0.44**
Benzo[a]pyrene	**3**	**mg/kg**	**0.11**	**0.53**
Benzo[b]fluoranthene	**3**	**mg/kg**	**0.11**	**0.75**
Benzo[g,h,i]perylene	**3**	**mg/kg**	**0.11**	**0.40**
Benzo[k]fluoranthene	**3**	**mg/kg**	**0.11**	**0.17**
Chrysene	**3**	**mg/kg**	**0.11**	**0.47**
Dibenzo[a,h]anthracene	3	mg/kg	0.11	ND
Fluoranthene	**3**	**mg/kg**	**0.11**	**0.84**
Fluorene	3	mg/kg	0.11	ND
Indeno[1,2,3-cd]pyrene	**3**	**mg/kg**	**0.11**	**0.36**
Naphthalene	3	mg/kg	0.027	ND
Phenanthrene	**3**	**mg/kg**	**0.11**	**0.43**
Pyrene	**3**	**mg/kg**	**0.11**	**0.80**

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**	**0.052**
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
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**	**0.052**
Aroclor-1268	1	mg/kg	0.027	ND

Sample ID: WC-SW-04 **Collection Date: 10/18/2022**
Lab#: AD33983-028 **Receipt Date: 10/18/2022**
Matrix: Soil

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
TCMX-Surrogate	107.09	100	37	141	107	
TCMX-Surrogate	105.94	100	37	141	106	
DCB-Surrogate	128.46	100	34	146	128	
DCB-Surrogate	129.79	100	34	146	130	

pH 9045D

Analyte	DF	Units	RL	Result
pH	**1**	**ph**		**8.5**
Temperature	**1**	**c**		**20.9**

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**	**0.55**
Cadmium	1	mg/l	0.050	ND
Chromium	1	mg/l	0.10	ND
Lead	**1**	**mg/l**	**0.050**	**0.089**
Selenium	1	mg/l	0.10	ND
Silver	1	mg/l	0.050	ND

TPH 8015D (C8-C44)

Analyte	DF	Units	RL	Result
Total Petroleum Hydrocarbons	**1**	**mg/kg**	**65**	**96**

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
O-Terphenyl	16.78	20	30	146	84	
Chlorobenzene	11.41	20	20	117	57	

Sample ID: SW-05 **Collection Date: 10/18/2022**
Lab#: AD33983-029 **Receipt Date: 10/18/2022**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**89**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.893	mg/kg	0.0020	ND
1,1,2,2-Tetrachloroethane	0.893	mg/kg	0.0020	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.893	mg/kg	0.0020	ND
1,1,2-Trichloroethane	0.893	mg/kg	0.0020	ND
1,1-Dichloroethane	0.893	mg/kg	0.0020	ND
1,1-Dichloroethene	0.893	mg/kg	0.0020	ND
1,2,3-Trichlorobenzene	0.893	mg/kg	0.0020	ND
1,2,4-Trichlorobenzene	0.893	mg/kg	0.0020	ND
1,2-Dibromo-3-chloropropane	0.893	mg/kg	0.0020	ND
1,2-Dibromoethane	0.893	mg/kg	0.00065	ND
1,2-Dichlorobenzene	0.893	mg/kg	0.0020	ND
1,2-Dichloroethane	0.893	mg/kg	0.0020	ND
1,2-Dichloropropane	0.893	mg/kg	0.0020	ND
1,3-Dichlorobenzene	0.893	mg/kg	0.0020	ND
1,4-Dichlorobenzene	0.893	mg/kg	0.0020	ND
1,4-Dioxane	0.893	mg/kg	0.10	ND
2-Butanone	0.893	mg/kg	0.0020	ND
2-Hexanone	0.893	mg/kg	0.0020	ND
4-Methyl-2-pentanone	0.893	mg/kg	0.0020	ND
Acetone	0.893	mg/kg	0.010	ND
Benzene	0.893	mg/kg	0.0010	ND
Bromochloromethane	0.893	mg/kg	0.0020	ND
Bromodichloromethane	0.893	mg/kg	0.0020	ND
Bromoform	0.893	mg/kg	0.0020	ND
Bromomethane	0.893	mg/kg	0.0020	ND
Carbon disulfide	0.893	mg/kg	0.0020	ND
Carbon tetrachloride	0.893	mg/kg	0.0020	ND
Chlorobenzene	0.893	mg/kg	0.0020	ND
Chloroethane	0.893	mg/kg	0.0020	ND
Chloroform	0.893	mg/kg	0.0020	ND
Chloromethane	0.893	mg/kg	0.0020	ND
cis-1,2-Dichloroethene	0.893	mg/kg	0.0020	ND
cis-1,3-Dichloropropene	0.893	mg/kg	0.0020	ND
Cyclohexane	0.893	mg/kg	0.0020	ND
Dibromochloromethane	0.893	mg/kg	0.0020	ND
Dichlorodifluoromethane	0.893	mg/kg	0.0020	ND
Ethylbenzene	0.893	mg/kg	0.0010	ND
Isopropylbenzene	0.893	mg/kg	0.0010	ND
m&p-Xylenes	0.893	mg/kg	0.0015	ND
Methyl Acetate	0.893	mg/kg	0.0020	ND
Methylcyclohexane	0.893	mg/kg	0.0020	ND
Methylene chloride	0.893	mg/kg	0.0020	ND
Methyl-t-butyl ether	0.893	mg/kg	0.0010	ND
o-Xylene	0.893	mg/kg	0.0010	ND
Styrene	0.893	mg/kg	0.0020	ND
t-Butyl Alcohol	0.893	mg/kg	0.010	ND
Tetrachloroethene	0.893	mg/kg	0.0020	ND
Toluene	0.893	mg/kg	0.0010	ND
trans-1,2-Dichloroethene	0.893	mg/kg	0.0020	ND
trans-1,3-Dichloropropene	0.893	mg/kg	0.0020	ND
Trichloroethene	0.893	mg/kg	0.0020	ND
Trichlorofluoromethane	0.893	mg/kg	0.0020	ND
Vinyl chloride	0.893	mg/kg	0.0020	ND
Xylenes (Total)	0.893	mg/kg	0.0010	ND

Sample ID:	**SW-05**	**Collection Date:**	**10/18/2022**
Lab#:	**AD33983-029**	**Receipt Date:**	**10/18/2022**
Matrix:	**Soil**		

Sample ID: WC-SW-05 | **Collection Date: 10/18/2022**
Lab#: AD33983-030 | **Receipt Date: 10/18/2022**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**89**

Gasoline range organics 8015D(C6-C10)

Analyte	DF	Units	RL	Result
Gasoline Range Organics	87.6	mg/kg	25	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
1,4-Dichlorobenzene-d4	25.37	30	50	150	85	

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**	**0.13**
Acenaphthylene	**1**	**mg/kg**	**0.037**	**0.074**
Anthracene	**1**	**mg/kg**	**0.037**	**0.30**
Benzo[a]anthracene	**1**	**mg/kg**	**0.037**	**0.95**
Benzo[a]pyrene	**1**	**mg/kg**	**0.037**	**0.87**
Benzo[b]fluoranthene	**1**	**mg/kg**	**0.037**	**1.2**
Benzo[g,h,i]perylene	**1**	**mg/kg**	**0.037**	**0.39**
Benzo[k]fluoranthene	**1**	**mg/kg**	**0.037**	**0.38**
Chrysene	**1**	**mg/kg**	**0.037**	**0.94**
Dibenzo[a,h]anthracene	**1**	**mg/kg**	**0.037**	**0.13**
Fluoranthene	**1**	**mg/kg**	**0.037**	**1.9**
Fluorene	**1**	**mg/kg**	**0.037**	**0.11**
Indeno[1,2,3-cd]pyrene	**1**	**mg/kg**	**0.037**	**0.39**
Naphthalene	**1**	**mg/kg**	**0.0094**	**0.026**
Phenanthrene	**1**	**mg/kg**	**0.037**	**1.4**
Pyrene	**1**	**mg/kg**	**0.037**	**1.8**

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**	**0.028**	**0.064**
Aroclor-1016	1	mg/kg	0.028	ND
Aroclor-1221	1	mg/kg	0.028	ND
Aroclor-1232	1	mg/kg	0.028	ND
Aroclor-1242	1	mg/kg	0.028	ND
Aroclor-1248	1	mg/kg	0.028	ND
Aroclor-1254	**1**	**mg/kg**	**0.028**	**0.064**
Aroclor-1260	1	mg/kg	0.028	ND
Aroclor-1262	1	mg/kg	0.028	ND
Aroclor-1268	1	mg/kg	0.028	ND

Sample ID: WC-SW-05 **Collection Date: 10/18/2022**
Lab#: AD33983-030 **Receipt Date: 10/18/2022**
Matrix: Soil

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
TCMX-Surrogate	106.27	100	37	141	106	
TCMX-Surrogate	105.85	100	37	141	106	
DCB-Surrogate	107.88	100	34	146	108	
DCB-Surrogate	111.82	100	34	146	112	

pH 9045D

Analyte	DF	Units	RL	Result
pH	**1**	**ph**		**8.4**
Temperature	**1**	**c**		**20.8**

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**	**0.87**
Cadmium	1	mg/l	0.050	ND
Chromium	1	mg/l	0.10	ND
Lead	**1**	**mg/l**	**0.050**	**0.11**
Selenium	1	mg/l	0.10	ND
Silver	1	mg/l	0.050	ND

TPH 8015D (C8-C44)

Analyte	DF	Units	RL	Result
Total Petroleum Hydrocarbons	**1**	**mg/kg**	**67**	**110**

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
O-Terphenyl	14.22	20	30	146	71	
Chlorobenzene	2.09	20	20	117	10	S8

Hampton-Clarke, Inc. (WBE/DBE/SBE)
175 US Highway 46, STE D and 2 Madison Road, Fairfield, New Jersey 07004
Ph: 800-426-9992 | 973-244-9770 Fax: 973-244-9787
Service Center: 137-C Gaither Drive, Mount Laurel, New Jersey 08054
Ph (Service Center): 856-780-6057 Fax: 856-780-6056
NELAC/NJ #07071 | PA #68-00463 | NY #11408 | CT #PH-0671 | KY #90124 | DE HSCA Approved

Hampton-Clarke WBE/DBE/SBE 800-426-9992
A Women-Owned, Disadvantaged, Small Business Enterprise

CHAIN OF CUSTODY RECORD

Project# (Lab Use Only): 2101904

Page 1 of 3

3) Reporting Requirements (Please Circle)

Turnaround	Report Type	Electronic Data Deliv.
When Available:	Summary	NJ Hazsite
1 Business Day (100%) *	Results + QC (Waste)	Excel Reg. NJ / NY / PA
2 Business Days (75%) *	Reduced:	EnviroData
3 Business Days (50%) *	[ ] NJ [ ] NY	EQuIS:
4 Business Days (35%) *	[ ] PA [ ] Other___	[ ] 4-File [ ] EZ
5 Business Days (25%)	NJ Full / NY ASP CatB	[ ] NYDEC
8 Business Days (Stand.)	NY ASP CatA	[ ] Region 2 or 5
Other:		Other:

* Expedited TAT Not Always Available. Please Check with Lab.

Customer Information

1a) Customer: WSP
Address: 350 Mt Kemble Ave
Morristown NJ
1b) Email/Cell/Fax/Ph: JON.GANZ@WSP.COM
1c) Send Invoice to: JON.GANZ@WSP.COM
1d) Send Report to: JON GANZ

Project Information

2a) Project: HD161E - Gateway Estates
2b) Project Mgr: Jonathan Ganz
2c) Project Location (City/State): Brooklyn / NY
2d) Quote/PO # (If Applicable):

FOR LAB USE ONLY ↓
Batch # A033983

===> Check If Contingent ===>

Matrix Codes
DW - Drinking Water S - Soil A - Air
GW - Ground Water SL - Sludge
WW - Waste Water OL - Oil
OT - Other (please specify under item 9, Comments)

7) Analysis *(specify methods & parameter lists)*

<=== Check If Contingent <===

8) # of Bottles

Lab Sample #	4) Customer Sample ID	5) Matrix	6) Sample Date	6) Sample Time	Sample Type: Composite (C)	Sample Type: Grab (G)	TCL VOCs	PAHs	TPH-DRO/GRO	PCBs	TCLP(RCRA8)Metals	RCRA-Char	None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other:	9) Comments
-001	SP-2-01	S	10/18	0930		G	X						1								
-002	WC-SP-2-01	S		0930	C	G		X	X	X	X	X	1								
-003	SP-2-02	S		0950		G	X						1								
-004	WC-SP-2-02	S		0950	C			X	X	X	X	X	1								
-005	SP-2-03	S		1010		G	X						1								
-006	WC-SP-2-03	S		1010	C			X	X	X	X	X	1								
-007	SP-2-04	S		1035		G	X						1								
-008	WC SP-2-04	S		1035	C			X	X	X	X	X	1								
-009	SP-2-05	S		1100		G	X						1								
-010	WC-SP-2-05	S		1100	C			X	X	X	X	X	1								

10) Relinquished by:	Accepted by:	Date	Time
		10/18/22	18:11

11) Sampler (print name): James Hapsey, Jon Astuno Date: 10/18/22

Additional Notes

Comments, Notes, Special Requirements, HAZARDS

Indicate if low-level methods required to meet current groundwater standards (SPLP for soil):
- [ ] BN or BNA (8270E SIM)
- [ ] VOC (8260D SIM or 8011)
- [ ] SPLP (BN, BNA, Metals)
- [ ] 1,4 Dioxane

Check if applicable:
- [ ] Project-Specific Reporting Limits
- [ ] High Contaminant Concentrations
- [ ] NJ LSRP Project (also check boxes above/right)

For NJ LSRP projects, indicate which standards need to be met:
- [ ] NJDEP GWQS
- [ ] NJDEP SRS
- [ ] NJDEP SPLP
- [ ] Other (specify):

Cooler Temperature: 2-9

Please note NUMBERED items. If not completed your analytical work may be delayed. A fee of $5/sample will be assessed for storage should sample not be activated for any analysis.

Internal use: sampling plan (check box) HC [ ] or client [ ] FSP#

Hampton-Clarke, Inc. (WBE/DBE/SBE)
175 US Highway 46, STE D and 2 Madison Road, Fairfield, New Jersey 07004
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Ph (Service Center): 856-780-6057 Fax: 856-780-6056

Hampton-Clarke WBE/DBE/SBE 800-426-9992

CHAIN OF CUSTODY RECORD

A Women-Owned, Disadvantaged, Small Business Enterprise

NELAC/NJ #07071 | PA #68-00463 | NY #11408 | CT #PH-0671 | KY #90124 | DE HSCA Approved

Project# (Lab Use Only): 2101904

Customer Information

1a) Customer: USP
Address: 350 Mckenble Ave
Morristown, NJ 07960
1b) Email/Cell/Fax/Ph: Jon.Ganz@usp.com
1c) Send Invoice to: Jon Ganz
1d) Send Report to: Jon Ganz

Project Information

2a) Project: HD1611E - Gateway Estate
2b) Project Mgr: Jonatha Ganz
2c) Project Location (City/State): Brooklyn NY
2d) Quote/PO # (If Applicable):

3) Reporting Requirements (Please Circle)

Turnaround	Report Type	Electronic Data Deliv.
When Available:	Summary	NJ Hazsite
1 Business Day (100%) *	Results + QC (Waste)	Excel Reg. NJ / NY / PA
2 Business Days (75%) *	Reduced:	EnviroData
3 Business Days (50%) *	[ ] NJ [ ] NY	EQuIS:
4 Business Days (35%) *	[ ] PA [ ] Other___	[ ] 4-File [ ] EZ
5 Business Days (25%)	NJ Full / NY ASP CatB	[ ] NYDEC
8 Business Days (Stand.)	NY ASP CatA	[ ] Region 2 or 5
Other:		Other:

* Expedited TAT Not Always Available. Please Check with Lab.

FOR LAB USE ONLY

Batch # A033983

===> Check If Contingent ===>

Matrix Codes
DW - Drinking Water S - Soil A - Air
GW - Ground Water SL - Sludge
WW - Waste Water OL - Oil
OT - Other (please specify under item 9, Comments)

7) Analysis *(specify methods & parameter lists)*

<=== Check If Contingent <===

Lab Sample #	4) Customer Sample ID	5) Matrix	6) Sample Date	6) Sample Time	Sample Type: Composite (C)	Sample Type: Grab (G)	TCL VOCs	PAHs	TPH-DRO/GRO	PCBs	TCLP(RCRA8)Metals	RCRA-Haz	8) # of Bottles: None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other:	9) Comments
-011	SP-2-06	S	10/18	1135		G	X						1								
-012	WC-SP-2-06	S	10/18	1135	C			X	X	X	X	X	1								
-013	SP-2-07	S	10/18	1200		G	X						1								
-014	WC SP-2-07	S		1200	C			X	X	X	X	X	1								
-015	SP-2-08	S		1220		G	X						1								
-016	WC-SP-2-08	S		1220	C			X	X	X	X	X	1								
-017	SP-2-09	S		1240		G	X						1								
-018	WC-SP-2-09	S		1240	C			X	X	X	X	X	1								
-019	SP-20-10	S		1300		G	X						1								
-020	WC-SP-2-10	S		1300	C			X	X	X	X	X	1								

10) Relinquished by:	Accepted by:	Date	Time
		10/18/22	18:11

11) Sampler (print name): James Harvey, Jonathan Ganz Date: 10/18/22

Additional Notes

Comments, Notes, Special Requirements, HAZARDS

Indicate if low-level methods required to meet current groundwater standards (SPLP for soil):
- [ ] BN or BNA (8270E SIM)
- [ ] VOC (8260D SIM or 8011)
- [ ] SPLP (BN, BNA, Metals)
- [ ] 1,4 Dioxane

Check if applicable:
- [ ] Project-Specific Reporting Limits
- [ ] High Contaminant Concentrations
- [ ] NJ LSRP Project (also check boxes above/right)

For NJ LSRP projects, indicate which standards need to be met:
- [ ] NJDEP GWQS
- [ ] NJDEP SRS
- [ ] NJDEP SPLP
- [ ] Other (specify):

Cooler Temperature: 2.9

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Internal use: sampling plan (check box) HC [ ] or client [ ] FSP#

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Hampton-Clarke WBE/DBE/SBE 800-426-9992
A Women-Owned, Disadvantaged, Small Business Enterprise

CHAIN OF CUSTODY RECORD

NELAC/NJ #07071 | PA #68-00463 | NY #11408 | CT #PH-0671 | KY #90124 | DE HSCA Approved

Project# (Lab Use Only): 2101904

Customer Information

1a) Customer: WSP
Address: 350 Mt Kemble Ave
Morristown, NJ 07960
1b) Email/Cell/Fax/Ph: JON.GRAZ@WSP.COM
1c) Send Invoice to: JON.GRAZ@WSP.COM
1d) Send Report to: JON GRAZ

Project Information

2a) Project: HDL/E Gateway Estates
2b) Project Mgr: Jonathan Graz
2c) Project Location (City/State): Brooklyn/NY
2d) Quote/PO # (If Applicable):

3) Reporting Requirements (Please Circle)

Turnaround	Report Type	Electronic Data Deliv.
When Available:	Summary	NJ Hazsite
1 Business Day (100%) *	Results + QC (Waste)	Excel Reg. NJ / NY / PA
2 Business Days (75%) *	Reduced:	EnviroData
3 Business Days (50%) *	[ ] NJ [ ] NY	EQuIS:
4 Business Days (35%) *	[ ] PA [ ] Other___	[ ] 4-File [ ] EZ
5 Business Days (25%)	NJ Full / NY ASP CatB	[ ] NYDEC
8 Business Days (Stand.)	NY ASP CatA	[ ] Region 2 or 5
Other:		Other:

* Expedited TAT Not Always Available. Please Check with Lab.

FOR LAB USE ONLY ↓
Batch # A033983

===> Check If Contingent ===>

Matrix Codes
DW - Drinking Water S - Soil A - Air
GW - Ground Water SL - Sludge
WW - Waste Water OL - Oil
OT - Other (please specify under item 9, Comments)

7) Analysis (specify methods & parameter lists)

<=== Check If Contingent <===

Lab Sample #	4) Customer Sample ID	5) Matrix	6) Sample Date	6) Sample Time	Sample Type: Composite (C)	Sample Type: Grab (G)	TCL VOCs	PAHs	TPH-DRO/GRO	PCBs	TCLP (RCRA) Metals	RCRA 8 Met	8) # of Bottles: None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other:	9) Comments
-021	SW-03	S	10/18	1425		G	X						1								
-022	WC-SW-03	S		1425	C			X	X	X	X	X	1								
-023	SW-01	S		1440		G	X						1								
-024	WC-SW-01	S		1440	C			X	X	X	X	X	1								
-025	SW-02	S		1455		G	X						1								
-026	WC-SW-02	S		1455	C			X	X	X	X	X	1								
-027	SW-04	S		1510		G	X						1								
-028	WC-SW-04	S		1510	C			X	X	X	X	X	1								
-029	SW-05	S		1535		G	X						1								
-030	WC-SW-05	S		1535	C			X	X	X	X	X	1								

10) Relinquished by:	Accepted by:	Date	Time
		10/18/22	18:11

11) Sampler (print name): James Harvey, Ian Arturo Date: 10/18/22

Additional Notes

Comments, Notes, Special Requirements, HAZARDS

Indicate if low-level methods required to meet current groundwater standards (SPLP for soil):
- [ ] BN or BNA (8270E SIM)
- [ ] VOC (8260D SIM or 8011)
- [ ] SPLP (BN, BNA, Metals)
- [ ] 1,4 Dioxane

For NJ LSRP projects, indicate which standards need to be met:
- [ ] NJDEP GWQS
- [ ] NJDEP SRS
- [ ] NJDEP SPLP
- [ ] Other (specify):

Check if applicable:
- [ ] Project-Specific Reporting Limits
- [ ] High Contaminant Concentrations
- [ ] NJ LSRP Project (also check boxes above/right)

Cooler Temperature: 2.9

Please note NUMBERED items. If not completed your analytical work may be delayed.
A fee of $5/sample will be assessed for storage should sample not be activated for any analysis.

Internal use: sampling plan (check box) HC [ ] or client [ ] FSP#

Hampton-Clarke Report Of Analysis

Client: WSP USA, Inc. **HC Project #:** 2102001

Project: HD161E-GatewayEstates

Sample ID: SP-1-01 COMP **Collection Date: 10/19/2022**
Lab#: AD34010-001 **Receipt Date: 10/19/2022**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**94**

Gasoline range organics 8015D(C6-C10)

Analyte	DF	Units	RL	Result
Gasoline Range Organics	89.9	mg/kg	24	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
1,4-Dichlorobenzene-d4	20.01	30	50	150	67	

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	0.035	ND
Acenaphthene	1	mg/kg	0.035	ND
Acenaphthylene	1	mg/kg	0.035	ND
Anthracene	**1**	**mg/kg**	**0.035**	**0.044**
Benzo[a]anthracene	**1**	**mg/kg**	**0.035**	**0.18**
Benzo[a]pyrene	**1**	**mg/kg**	**0.035**	**0.16**
Benzo[b]fluoranthene	**1**	**mg/kg**	**0.035**	**0.26**
Benzo[g,h,i]perylene	**1**	**mg/kg**	**0.035**	**0.11**
Benzo[k]fluoranthene	**1**	**mg/kg**	**0.035**	**0.069**
Chrysene	**1**	**mg/kg**	**0.035**	**0.17**
Dibenzo[a,h]anthracene	1	mg/kg	0.035	ND
Fluoranthene	**1**	**mg/kg**	**0.035**	**0.34**
Fluorene	1	mg/kg	0.035	ND
Indeno[1,2,3-cd]pyrene	**1**	**mg/kg**	**0.035**	**0.097**
Naphthalene	1	mg/kg	0.0089	ND
Phenanthrene	**1**	**mg/kg**	**0.035**	**0.20**
Pyrene	**1**	**mg/kg**	**0.035**	**0.29**

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: SP-1-01 COMP **Collection Date: 10/19/2022**
Lab#: AD34010-001 **Receipt Date: 10/19/2022**
Matrix: Soil

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	Recovery	Flags
TCMX-Surrogate	94.40	100	37	141	94	
TCMX-Surrogate	93.63	100	37	141	94	
DCB-Surrogate	94.31	100	34	146	94	
DCB-Surrogate	94.97	100	34	146	95	

pH 9045D

Analyte	DF	Units	RL	Result
pH	**1**	**ph**		**6.8**
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**	**0.59**
Cadmium	1	mg/l	0.050	ND
Chromium	1	mg/l	0.10	ND
Lead	**1**	**mg/l**	**0.050**	**0.65**
Selenium	1	mg/l	0.10	ND
Silver	1	mg/l	0.050	ND

TPH 8015D (C8-C44)

Analyte	DF	Units	RL	Result
Total Petroleum Hydrocarbons	1	mg/kg	64	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
O-Terphenyl	16.11	20	30	146	81	
Chlorobenzene	12.93	20	20	117	65	

Sample ID: SP-1-01 GRAB | **Collection Date: 10/19/2022**
Lab#: AD34010-002 | **Receipt Date: 10/19/2022**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**93**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.919	mg/kg	0.0020	ND
1,1,2,2-Tetrachloroethane	0.919	mg/kg	0.0020	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.919	mg/kg	0.0020	ND
1,1,2-Trichloroethane	0.919	mg/kg	0.0020	ND
1,1-Dichloroethane	0.919	mg/kg	0.0020	ND
1,1-Dichloroethene	0.919	mg/kg	0.0020	ND
1,2,3-Trichlorobenzene	0.919	mg/kg	0.0020	ND
1,2,4-Trichlorobenzene	0.919	mg/kg	0.0020	ND
1,2-Dibromo-3-chloropropane	0.919	mg/kg	0.0020	ND
1,2-Dibromoethane	0.919	mg/kg	0.00064	ND
1,2-Dichlorobenzene	0.919	mg/kg	0.0020	ND
1,2-Dichloroethane	0.919	mg/kg	0.0020	ND
1,2-Dichloropropane	0.919	mg/kg	0.0020	ND
1,3-Dichlorobenzene	0.919	mg/kg	0.0020	ND
1,4-Dichlorobenzene	0.919	mg/kg	0.0020	ND
1,4-Dioxane	0.919	mg/kg	0.099	ND
2-Butanone	0.919	mg/kg	0.0020	ND
2-Hexanone	0.919	mg/kg	0.0020	ND
4-Methyl-2-pentanone	0.919	mg/kg	0.0020	ND
Acetone	0.919	mg/kg	0.0099	ND
Benzene	0.919	mg/kg	0.00099	ND
Bromochloromethane	0.919	mg/kg	0.0020	ND
Bromodichloromethane	0.919	mg/kg	0.0020	ND
Bromoform	0.919	mg/kg	0.0020	ND
Bromomethane	0.919	mg/kg	0.0020	ND
Carbon disulfide	0.919	mg/kg	0.0020	ND
Carbon tetrachloride	0.919	mg/kg	0.0020	ND
Chlorobenzene	0.919	mg/kg	0.0020	ND
Chloroethane	0.919	mg/kg	0.0020	ND
Chloroform	0.919	mg/kg	0.0020	ND
Chloromethane	0.919	mg/kg	0.0020	ND
cis-1,2-Dichloroethene	0.919	mg/kg	0.0020	ND
cis-1,3-Dichloropropene	0.919	mg/kg	0.0020	ND
Cyclohexane	0.919	mg/kg	0.0020	ND
Dibromochloromethane	0.919	mg/kg	0.0020	ND
Dichlorodifluoromethane	0.919	mg/kg	0.0020	ND
Ethylbenzene	0.919	mg/kg	0.00099	ND
Isopropylbenzene	0.919	mg/kg	0.00099	ND
m&p-Xylenes	0.919	mg/kg	0.0014	ND
Methyl Acetate	0.919	mg/kg	0.0020	ND
Methylcyclohexane	0.919	mg/kg	0.0020	ND
Methylene chloride	0.919	mg/kg	0.0020	ND
Methyl-t-butyl ether	0.919	mg/kg	0.00099	ND
o-Xylene	0.919	mg/kg	0.00099	ND
Styrene	0.919	mg/kg	0.0020	ND
t-Butyl Alcohol	0.919	mg/kg	0.0099	ND
Tetrachloroethene	0.919	mg/kg	0.0020	ND
Toluene	0.919	mg/kg	0.00099	ND
trans-1,2-Dichloroethene	0.919	mg/kg	0.0020	ND
trans-1,3-Dichloropropene	0.919	mg/kg	0.0020	ND
Trichloroethene	0.919	mg/kg	0.0020	ND
Trichlorofluoromethane	0.919	mg/kg	0.0020	ND
Vinyl chloride	0.919	mg/kg	0.0020	ND
Xylenes (Total)	0.919	mg/kg	0.00099	ND

Sample ID:	**SP-1-01 GRAB**	**Collection Date:**	**10/19/2022**
Lab#:	**AD34010-002**	**Receipt Date:**	**10/19/2022**
Matrix:	**Soil**		

Sample ID: SP-1-02 COMP | **Collection Date: 10/19/2022**
Lab#: AD34010-003 | **Receipt Date: 10/19/2022**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**90**

Gasoline range organics 8015D(C6-C10)

Analyte	DF	Units	RL	Result
Gasoline Range Organics	96.3	mg/kg	27	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
1,4-Dichlorobenzene-d4	23.40	30	50	150	78	

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**	**0.038**
Benzo[a]anthracene	**1**	**mg/kg**	**0.037**	**0.15**
Benzo[a]pyrene	**1**	**mg/kg**	**0.037**	**0.14**
Benzo[b]fluoranthene	**1**	**mg/kg**	**0.037**	**0.22**
Benzo[g,h,i]perylene	**1**	**mg/kg**	**0.037**	**0.093**
Benzo[k]fluoranthene	**1**	**mg/kg**	**0.037**	**0.059**
Chrysene	**1**	**mg/kg**	**0.037**	**0.14**
Dibenzo[a,h]anthracene	1	mg/kg	0.037	ND
Fluoranthene	**1**	**mg/kg**	**0.037**	**0.28**
Fluorene	1	mg/kg	0.037	ND
Indeno[1,2,3-cd]pyrene	**1**	**mg/kg**	**0.037**	**0.081**
Naphthalene	1	mg/kg	0.0093	ND
Phenanthrene	**1**	**mg/kg**	**0.037**	**0.16**
Pyrene	**1**	**mg/kg**	**0.037**	**0.25**

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	0.028	ND
Aroclor-1016	1	mg/kg	0.028	ND
Aroclor-1221	1	mg/kg	0.028	ND
Aroclor-1232	1	mg/kg	0.028	ND
Aroclor-1242	1	mg/kg	0.028	ND
Aroclor-1248	1	mg/kg	0.028	ND
Aroclor-1254	1	mg/kg	0.028	ND
Aroclor-1260	1	mg/kg	0.028	ND
Aroclor-1262	1	mg/kg	0.028	ND
Aroclor-1268	1	mg/kg	0.028	ND

Sample ID: SP-1-02 COMP | **Collection Date: 10/19/2022**
Lab#: AD34010-003 | **Receipt Date: 10/19/2022**
Matrix: Soil

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
TCMX-Surrogate	100.07	100	37	141	100	
TCMX-Surrogate	99.09	100	37	141	99	
DCB-Surrogate	97.73	100	34	146	98	
DCB-Surrogate	99.28	100	34	146	99	

pH 9045D

Analyte	DF	Units	RL	Result
pH	**1**	**ph**		**7.1**
Temperature	**1**	**c**		**21.9**

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**	**0.62**
Cadmium	1	mg/l	0.050	ND
Chromium	1	mg/l	0.10	ND
Lead	**1**	**mg/l**	**0.050**	**0.32**
Selenium	1	mg/l	0.10	ND
Silver	1	mg/l	0.050	ND

TPH 8015D (C8-C44)

Analyte	DF	Units	RL	Result
Total Petroleum Hydrocarbons	1	mg/kg	67	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
O-Terphenyl	11.95	20	30	146	60	
Chlorobenzene	9.93	20	20	117	50	

Sample ID: SP-1-02 GRAB | **Collection Date: 10/19/2022**
Lab#: AD34010-004 | **Receipt Date: 10/19/2022**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**89**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.982	mg/kg	0.0022	ND
1,1,2,2-Tetrachloroethane	0.982	mg/kg	0.0022	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.982	mg/kg	0.0022	ND
1,1,2-Trichloroethane	0.982	mg/kg	0.0022	ND
1,1-Dichloroethane	0.982	mg/kg	0.0022	ND
1,1-Dichloroethene	0.982	mg/kg	0.0022	ND
1,2,3-Trichlorobenzene	0.982	mg/kg	0.0022	ND
1,2,4-Trichlorobenzene	0.982	mg/kg	0.0022	ND
1,2-Dibromo-3-chloropropane	0.982	mg/kg	0.0022	ND
1,2-Dibromoethane	0.982	mg/kg	0.00072	ND
1,2-Dichlorobenzene	0.982	mg/kg	0.0022	ND
1,2-Dichloroethane	0.982	mg/kg	0.0022	ND
1,2-Dichloropropane	0.982	mg/kg	0.0022	ND
1,3-Dichlorobenzene	0.982	mg/kg	0.0022	ND
1,4-Dichlorobenzene	0.982	mg/kg	0.0022	ND
1,4-Dioxane	0.982	mg/kg	0.11	ND
2-Butanone	0.982	mg/kg	0.0022	ND
2-Hexanone	0.982	mg/kg	0.0022	ND
4-Methyl-2-pentanone	0.982	mg/kg	0.0022	ND
Acetone	0.982	mg/kg	0.011	ND
Benzene	0.982	mg/kg	0.0011	ND
Bromochloromethane	0.982	mg/kg	0.0022	ND
Bromodichloromethane	0.982	mg/kg	0.0022	ND
Bromoform	0.982	mg/kg	0.0022	ND
Bromomethane	0.982	mg/kg	0.0022	ND
Carbon disulfide	0.982	mg/kg	0.0022	ND
Carbon tetrachloride	0.982	mg/kg	0.0022	ND
Chlorobenzene	0.982	mg/kg	0.0022	ND
Chloroethane	0.982	mg/kg	0.0022	ND
Chloroform	0.982	mg/kg	0.0022	ND
Chloromethane	0.982	mg/kg	0.0022	ND
cis-1,2-Dichloroethene	0.982	mg/kg	0.0022	ND
cis-1,3-Dichloropropene	0.982	mg/kg	0.0022	ND
Cyclohexane	0.982	mg/kg	0.0022	ND
Dibromochloromethane	0.982	mg/kg	0.0022	ND
Dichlorodifluoromethane	0.982	mg/kg	0.0022	ND
Ethylbenzene	0.982	mg/kg	0.0011	ND
Isopropylbenzene	0.982	mg/kg	0.0011	ND
m&p-Xylenes	0.982	mg/kg	0.0016	ND
Methyl Acetate	0.982	mg/kg	0.0022	ND
Methylcyclohexane	0.982	mg/kg	0.0022	ND
Methylene chloride	0.982	mg/kg	0.0022	ND
Methyl-t-butyl ether	0.982	mg/kg	0.0011	ND
o-Xylene	0.982	mg/kg	0.0011	ND
Styrene	0.982	mg/kg	0.0022	ND
t-Butyl Alcohol	0.982	mg/kg	0.011	ND
Tetrachloroethene	0.982	mg/kg	0.0022	ND
Toluene	0.982	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	0.982	mg/kg	0.0022	ND
trans-1,3-Dichloropropene	0.982	mg/kg	0.0022	ND
Trichloroethene	0.982	mg/kg	0.0022	ND
Trichlorofluoromethane	0.982	mg/kg	0.0022	ND
Vinyl chloride	0.982	mg/kg	0.0022	ND
Xylenes (Total)	0.982	mg/kg	0.0011	ND

Sample ID:	**SP-1-02 GRAB**	**Collection Date:**	**10/19/2022**
Lab#:	**AD34010-004**	**Receipt Date:**	**10/19/2022**
Matrix:	**Soil**		

Sample ID: SP-1-03 COMP | **Collection Date: 10/19/2022**
Lab#: AD34010-005 | **Receipt Date: 10/19/2022**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**85**

Gasoline range organics 8015D(C6-C10)

Analyte	DF	Units	RL	Result
Gasoline Range Organics	92.9	mg/kg	27	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
1,4-Dichlorobenzene-d4	23.75	30	50	150	79	

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	ND
Benzo[a]anthracene	**1**	**mg/kg**	**0.039**	**0.17**
Benzo[a]pyrene	**1**	**mg/kg**	**0.039**	**0.18**
Benzo[b]fluoranthene	**1**	**mg/kg**	**0.039**	**0.25**
Benzo[g,h,i]perylene	**1**	**mg/kg**	**0.039**	**0.13**
Benzo[k]fluoranthene	**1**	**mg/kg**	**0.039**	**0.074**
Chrysene	**1**	**mg/kg**	**0.039**	**0.17**
Dibenzo[a,h]anthracene	1	mg/kg	0.039	ND
Fluoranthene	**1**	**mg/kg**	**0.039**	**0.29**
Fluorene	1	mg/kg	0.039	ND
Indeno[1,2,3-cd]pyrene	**1**	**mg/kg**	**0.039**	**0.10**
Naphthalene	**1**	**mg/kg**	**0.0098**	**0.010**
Phenanthrene	**1**	**mg/kg**	**0.039**	**0.14**
Pyrene	**1**	**mg/kg**	**0.039**	**0.29**

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**	**0.101**
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
Aroclor-1248	1	mg/kg	0.029	ND
Aroclor-1254	**1**	**mg/kg**	**0.029**	**0.055**
Aroclor-1260	1	mg/kg	0.029	ND
Aroclor-1262	**1**	**mg/kg**	**0.029**	**0.046**
Aroclor-1268	1	mg/kg	0.029	ND

Sample ID: SP-1-03 COMP | **Collection Date: 10/19/2022**
Lab#: AD34010-005 | **Receipt Date: 10/19/2022**
Matrix: Soil

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
TCMX-Surrogate	100.64	100	37	141	101	
TCMX-Surrogate	99.83	100	37	141	100	
DCB-Surrogate	121.62	100	34	146	122	
DCB-Surrogate	124.77	100	34	146	125	

pH 9045D

Analyte	DF	Units	RL	Result
pH	**1**	**ph**		**8.3**
Temperature	**1**	**c**		**21.9**

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**	**1.1**
Cadmium	1	mg/l	0.050	ND
Chromium	1	mg/l	0.10	ND
Lead	**1**	**mg/l**	**0.050**	**0.35**
Selenium	1	mg/l	0.10	ND
Silver	1	mg/l	0.050	ND

TPH 8015D (C8-C44)

Analyte	DF	Units	RL	Result
Total Petroleum Hydrocarbons	**1**	**mg/kg**	**71**	**82**

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
O-Terphenyl	14.90	20	30	146	74	
Chlorobenzene	11.96	20	20	117	60	

Sample ID: SP-1-03 GRAB | **Collection Date: 10/19/2022**
Lab#: AD34010-006 | **Receipt Date: 10/19/2022**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**87**

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	0.00070	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
1,4-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	0.0021	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	0.0016	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**	**0.0078**
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
t-Butyl Alcohol	0.931	mg/kg	0.011	ND
Tetrachloroethene	0.931	mg/kg	0.0021	ND
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:	**SP-1-03 GRAB**	**Collection Date:**	**10/19/2022**
Lab#:	**AD34010-006**	**Receipt Date:**	**10/19/2022**
Matrix:	**Soil**		

Sample ID: SP-1-04 COMP | **Collection Date: 10/19/2022**
Lab#: AD34010-007 | **Receipt Date: 10/19/2022**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**93**

Gasoline range organics 8015D(C6-C10)

Analyte	DF	Units	RL	Result
Gasoline Range Organics	87.9	mg/kg	24	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
1,4-Dichlorobenzene-d4	19.94	30	50	150	66	

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	0.11	ND
Acenaphthene	3	mg/kg	0.11	ND
Acenaphthylene	3	mg/kg	0.11	ND
Anthracene	3	mg/kg	0.11	ND
Benzo[a]anthracene	**3**	**mg/kg**	**0.11**	**0.24**
Benzo[a]pyrene	**3**	**mg/kg**	**0.11**	**0.27**
Benzo[b]fluoranthene	**3**	**mg/kg**	**0.11**	**0.38**
Benzo[g,h,i]perylene	**3**	**mg/kg**	**0.11**	**0.17**
Benzo[k]fluoranthene	**3**	**mg/kg**	**0.11**	**0.12**
Chrysene	**3**	**mg/kg**	**0.11**	**0.22**
Dibenzo[a,h]anthracene	3	mg/kg	0.11	ND
Fluoranthene	**3**	**mg/kg**	**0.11**	**0.47**
Fluorene	3	mg/kg	0.11	ND
Indeno[1,2,3-cd]pyrene	**3**	**mg/kg**	**0.11**	**0.15**
Naphthalene	3	mg/kg	0.027	ND
Phenanthrene	**3**	**mg/kg**	**0.11**	**0.24**
Pyrene	**3**	**mg/kg**	**0.11**	**0.38**

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**	**0.14**
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
Aroclor-1248	1	mg/kg	0.027	ND
Aroclor-1254	**1**	**mg/kg**	**0.027**	**0.10**
Aroclor-1260	1	mg/kg	0.027	ND
Aroclor-1262	**1**	**mg/kg**	**0.027**	**0.041**
Aroclor-1268	1	mg/kg	0.027	ND

Sample ID: SP-1-04 COMP | **Collection Date: 10/19/2022**
Lab#: AD34010-007 | **Receipt Date: 10/19/2022**
Matrix: Soil

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
TCMX-Surrogate	100.85	100	37	141	101	
TCMX-Surrogate	99.85	100	37	141	100	
DCB-Surrogate	100.24	100	34	146	100	
DCB-Surrogate	100.65	100	34	146	101	

pH 9045D

Analyte	DF	Units	RL	Result
pH	**1**	**ph**		**8.6**
Temperature	**1**	**c**		**21.3**

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**	**0.78**
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

TPH 8015D (C8-C44)

Analyte	DF	Units	RL	Result
Total Petroleum Hydrocarbons	**1**	**mg/kg**	**65**	**180**

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
O-Terphenyl	14.46	20	30	146	72	
Chlorobenzene	12.01	20	20	117	60	

Sample ID: SP-1-04 GRAB | **Collection Date: 10/19/2022**
Lab#: AD34010-008 | **Receipt Date: 10/19/2022**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**94**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.956	mg/kg	0.0020	ND
1,1,2,2-Tetrachloroethane	0.956	mg/kg	0.0020	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.956	mg/kg	0.0020	ND
1,1,2-Trichloroethane	0.956	mg/kg	0.0020	ND
1,1-Dichloroethane	0.956	mg/kg	0.0020	ND
1,1-Dichloroethene	0.956	mg/kg	0.0020	ND
1,2,3-Trichlorobenzene	0.956	mg/kg	0.0020	ND
1,2,4-Trichlorobenzene	0.956	mg/kg	0.0020	ND
1,2-Dibromo-3-chloropropane	0.956	mg/kg	0.0020	ND
1,2-Dibromoethane	0.956	mg/kg	0.00066	ND
1,2-Dichlorobenzene	0.956	mg/kg	0.0020	ND
1,2-Dichloroethane	0.956	mg/kg	0.0020	ND
1,2-Dichloropropane	0.956	mg/kg	0.0020	ND
1,3-Dichlorobenzene	0.956	mg/kg	0.0020	ND
1,4-Dichlorobenzene	0.956	mg/kg	0.0020	ND
1,4-Dioxane	0.956	mg/kg	0.10	ND
2-Butanone	0.956	mg/kg	0.0020	ND
2-Hexanone	0.956	mg/kg	0.0020	ND
4-Methyl-2-pentanone	0.956	mg/kg	0.0020	ND
Acetone	0.956	mg/kg	0.010	ND
Benzene	0.956	mg/kg	0.0010	ND
Bromochloromethane	0.956	mg/kg	0.0020	ND
Bromodichloromethane	0.956	mg/kg	0.0020	ND
Bromoform	0.956	mg/kg	0.0020	ND
Bromomethane	0.956	mg/kg	0.0020	ND
Carbon disulfide	0.956	mg/kg	0.0020	ND
Carbon tetrachloride	0.956	mg/kg	0.0020	ND
Chlorobenzene	0.956	mg/kg	0.0020	ND
Chloroethane	0.956	mg/kg	0.0020	ND
Chloroform	0.956	mg/kg	0.0020	ND
Chloromethane	0.956	mg/kg	0.0020	ND
cis-1,2-Dichloroethene	0.956	mg/kg	0.0020	ND
cis-1,3-Dichloropropene	0.956	mg/kg	0.0020	ND
Cyclohexane	0.956	mg/kg	0.0020	ND
Dibromochloromethane	0.956	mg/kg	0.0020	ND
Dichlorodifluoromethane	0.956	mg/kg	0.0020	ND
Ethylbenzene	0.956	mg/kg	0.0010	ND
Isopropylbenzene	0.956	mg/kg	0.0010	ND
m&p-Xylenes	0.956	mg/kg	0.0015	ND
Methyl Acetate	0.956	mg/kg	0.0020	ND
Methylcyclohexane	0.956	mg/kg	0.0020	ND
Methylene chloride	0.956	mg/kg	0.0020	ND
Methyl-t-butyl ether	0.956	mg/kg	0.0010	ND
o-Xylene	0.956	mg/kg	0.0010	ND
Styrene	0.956	mg/kg	0.0020	ND
t-Butyl Alcohol	0.956	mg/kg	0.010	ND
Tetrachloroethene	0.956	mg/kg	0.0020	ND
Toluene	0.956	mg/kg	0.0010	ND
trans-1,2-Dichloroethene	0.956	mg/kg	0.0020	ND
trans-1,3-Dichloropropene	0.956	mg/kg	0.0020	ND
Trichloroethene	0.956	mg/kg	0.0020	ND
Trichlorofluoromethane	0.956	mg/kg	0.0020	ND
Vinyl chloride	0.956	mg/kg	0.0020	ND
Xylenes (Total)	0.956	mg/kg	0.0010	ND

Sample ID:	**SP-1-04 GRAB**	**Collection Date:**	**10/19/2022**
Lab#:	**AD34010-008**	**Receipt Date:**	**10/19/2022**
Matrix:	**Soil**		

Sample ID: SP-1-05 COMP | **Collection Date: 10/19/2022**
Lab#: AD34010-009 | **Receipt Date: 10/19/2022**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**94**

Gasoline range organics 8015D(C6-C10)

Analyte	DF	Units	RL	Result
Gasoline Range Organics	88.5	mg/kg	24	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
1,4-Dichlorobenzene-d4	20.92	30	50	150	70	

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	0.035	ND
Acenaphthene	1	mg/kg	0.035	ND
Acenaphthylene	**1**	**mg/kg**	**0.035**	**0.091**
Anthracene	**1**	**mg/kg**	**0.035**	**0.11**
Benzo[a]anthracene	**1**	**mg/kg**	**0.035**	**0.50**
Benzo[a]pyrene	**1**	**mg/kg**	**0.035**	**0.53**
Benzo[b]fluoranthene	**1**	**mg/kg**	**0.035**	**0.71**
Benzo[g,h,i]perylene	**1**	**mg/kg**	**0.035**	**0.36**
Benzo[k]fluoranthene	**1**	**mg/kg**	**0.035**	**0.23**
Chrysene	**1**	**mg/kg**	**0.035**	**0.49**
Dibenzo[a,h]anthracene	**1**	**mg/kg**	**0.035**	**0.095**
Fluoranthene	**1**	**mg/kg**	**0.035**	**0.90**
Fluorene	1	mg/kg	0.035	ND
Indeno[1,2,3-cd]pyrene	**1**	**mg/kg**	**0.035**	**0.32**
Naphthalene	**1**	**mg/kg**	**0.0089**	**0.013**
Phenanthrene	**1**	**mg/kg**	**0.035**	**0.40**
Pyrene	**1**	**mg/kg**	**0.035**	**0.85**

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
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

Sample ID: SP-1-05 COMP | **Collection Date: 10/19/2022**
Lab#: AD34010-009 | **Receipt Date: 10/19/2022**
Matrix: Soil

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
TCMX-Surrogate	89.52	100	37	141	90	
TCMX-Surrogate	88.44	100	37	141	88	
DCB-Surrogate	87.14	100	34	146	87	
DCB-Surrogate	88.08	100	34	146	88	

pH 9045D

Analyte	DF	Units	RL	Result
pH	**1**	**ph**		**8.3**
Temperature	**1**	**c**		**21.6**

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**	**0.80**
Cadmium	1	mg/l	0.050	ND
Chromium	1	mg/l	0.10	ND
Lead	**1**	**mg/l**	**0.050**	**0.34**
Selenium	1	mg/l	0.10	ND
Silver	1	mg/l	0.050	ND

TPH 8015D (C8-C44)

Analyte	DF	Units	RL	Result
Total Petroleum Hydrocarbons	**1**	**mg/kg**	**64**	**330**

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
O-Terphenyl	13.34	20	30	146	67	
Chlorobenzene	10.80	20	20	117	54	

Sample ID: SP-1-05 GRAB | **Collection Date: 10/19/2022**
Lab#: AD34010-010 | **Receipt Date: 10/19/2022**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**94**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.986	mg/kg	0.0021	ND
1,1,2,2-Tetrachloroethane	0.986	mg/kg	0.0021	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.986	mg/kg	0.0021	ND
1,1,2-Trichloroethane	0.986	mg/kg	0.0021	ND
1,1-Dichloroethane	0.986	mg/kg	0.0021	ND
1,1-Dichloroethene	0.986	mg/kg	0.0021	ND
1,2,3-Trichlorobenzene	0.986	mg/kg	0.0021	ND
1,2,4-Trichlorobenzene	0.986	mg/kg	0.0021	ND
1,2-Dibromo-3-chloropropane	0.986	mg/kg	0.0021	ND
1,2-Dibromoethane	0.986	mg/kg	0.00068	ND
1,2-Dichlorobenzene	0.986	mg/kg	0.0021	ND
1,2-Dichloroethane	0.986	mg/kg	0.0021	ND
1,2-Dichloropropane	0.986	mg/kg	0.0021	ND
1,3-Dichlorobenzene	0.986	mg/kg	0.0021	ND
1,4-Dichlorobenzene	0.986	mg/kg	0.0021	ND
1,4-Dioxane	0.986	mg/kg	0.10	ND
2-Butanone	0.986	mg/kg	0.0021	ND
2-Hexanone	0.986	mg/kg	0.0021	ND
4-Methyl-2-pentanone	0.986	mg/kg	0.0021	ND
Acetone	0.986	mg/kg	0.010	ND
Benzene	0.986	mg/kg	0.0010	ND
Bromochloromethane	0.986	mg/kg	0.0021	ND
Bromodichloromethane	0.986	mg/kg	0.0021	ND
Bromoform	0.986	mg/kg	0.0021	ND
Bromomethane	0.986	mg/kg	0.0021	ND
Carbon disulfide	0.986	mg/kg	0.0021	ND
Carbon tetrachloride	0.986	mg/kg	0.0021	ND
Chlorobenzene	0.986	mg/kg	0.0021	ND
Chloroethane	0.986	mg/kg	0.0021	ND
Chloroform	0.986	mg/kg	0.0021	ND
Chloromethane	0.986	mg/kg	0.0021	ND
cis-1,2-Dichloroethene	0.986	mg/kg	0.0021	ND
cis-1,3-Dichloropropene	0.986	mg/kg	0.0021	ND
Cyclohexane	0.986	mg/kg	0.0021	ND
Dibromochloromethane	0.986	mg/kg	0.0021	ND
Dichlorodifluoromethane	0.986	mg/kg	0.0021	ND
Ethylbenzene	0.986	mg/kg	0.0010	ND
Isopropylbenzene	0.986	mg/kg	0.0010	ND
m&p-Xylenes	0.986	mg/kg	0.0015	ND
Methyl Acetate	0.986	mg/kg	0.0021	ND
Methylcyclohexane	0.986	mg/kg	0.0021	ND
Methylene chloride	0.986	mg/kg	0.0021	ND
Methyl-t-butyl ether	0.986	mg/kg	0.0010	ND
o-Xylene	0.986	mg/kg	0.0010	ND
Styrene	0.986	mg/kg	0.0021	ND
t-Butyl Alcohol	0.986	mg/kg	0.010	ND
Tetrachloroethene	0.986	mg/kg	0.0021	ND
Toluene	0.986	mg/kg	0.0010	ND
trans-1,2-Dichloroethene	0.986	mg/kg	0.0021	ND
trans-1,3-Dichloropropene	0.986	mg/kg	0.0021	ND
Trichloroethene	0.986	mg/kg	0.0021	ND
Trichlorofluoromethane	0.986	mg/kg	0.0021	ND
Vinyl chloride	0.986	mg/kg	0.0021	ND
Xylenes (Total)	0.986	mg/kg	0.0010	ND

Sample ID:	**SP-1-05 GRAB**	**Collection Date:**	**10/19/2022**
Lab#:	**AD34010-010**	**Receipt Date:**	**10/19/2022**
Matrix:	**Soil**		

Sample ID: SP-1-06 COMP | **Collection Date: 10/19/2022**
Lab#: AD34010-011 | **Receipt Date: 10/19/2022**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**91**

Gasoline range organics 8015D(C6-C10)

Analyte	DF	Units	RL	Result
Gasoline Range Organics	96.2	mg/kg	26	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
1,4-Dichlorobenzene-d4	26.27	30	50	150	88	

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	0.11	ND
Acenaphthene	3	mg/kg	0.11	ND
Acenaphthylene	3	mg/kg	0.11	ND
Anthracene	3	mg/kg	0.11	ND
Benzo[a]anthracene	**3**	**mg/kg**	**0.11**	**0.44**
Benzo[a]pyrene	**3**	**mg/kg**	**0.11**	**0.42**
Benzo[b]fluoranthene	**3**	**mg/kg**	**0.11**	**0.62**
Benzo[g,h,i]perylene	**3**	**mg/kg**	**0.11**	**0.27**
Benzo[k]fluoranthene	**3**	**mg/kg**	**0.11**	**0.19**
Chrysene	**3**	**mg/kg**	**0.11**	**0.41**
Dibenzo[a,h]anthracene	3	mg/kg	0.11	ND
Fluoranthene	**3**	**mg/kg**	**0.11**	**0.78**
Fluorene	3	mg/kg	0.11	ND
Indeno[1,2,3-cd]pyrene	**3**	**mg/kg**	**0.11**	**0.24**
Naphthalene	3	mg/kg	0.027	ND
Phenanthrene	**3**	**mg/kg**	**0.11**	**0.43**
Pyrene	**3**	**mg/kg**	**0.11**	**0.76**

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
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

Sample ID: SP-1-06 COMP | **Collection Date: 10/19/2022**
Lab#: AD34010-011 | **Receipt Date: 10/19/2022**
Matrix: Soil

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
TCMX-Surrogate	95.82	100	37	141	96	
TCMX-Surrogate	96.40	100	37	141	96	
DCB-Surrogate	95.34	100	34	146	95	
DCB-Surrogate	97.32	100	34	146	97	

pH 9045D

Analyte	DF	Units	RL	Result
pH	**1**	**ph**		**8.3**
Temperature	**1**	**c**		**21.6**

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**	**0.80**
Cadmium	1	mg/l	0.050	ND
Chromium	1	mg/l	0.10	ND
Lead	**1**	**mg/l**	**0.050**	**0.060**
Selenium	1	mg/l	0.10	ND
Silver	1	mg/l	0.050	ND

TPH 8015D (C8-C44)

Analyte	DF	Units	RL	Result
Total Petroleum Hydrocarbons	**1**	**mg/kg**	**66**	**390**

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
O-Terphenyl	13.09	20	30	146	65	
Chlorobenzene	11.86	20	20	117	59	

Sample ID: SP-1-06 GRAB | **Collection Date: 10/19/2022**
Lab#: AD34010-012 | **Receipt Date: 10/19/2022**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**90**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.994	mg/kg	0.0022	ND
1,1,2,2-Tetrachloroethane	0.994	mg/kg	0.0022	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.994	mg/kg	0.0022	ND
1,1,2-Trichloroethane	0.994	mg/kg	0.0022	ND
1,1-Dichloroethane	0.994	mg/kg	0.0022	ND
1,1-Dichloroethene	0.994	mg/kg	0.0022	ND
1,2,3-Trichlorobenzene	0.994	mg/kg	0.0022	ND
1,2,4-Trichlorobenzene	0.994	mg/kg	0.0022	ND
1,2-Dibromo-3-chloropropane	0.994	mg/kg	0.0022	ND
1,2-Dibromoethane	0.994	mg/kg	0.00072	ND
1,2-Dichlorobenzene	0.994	mg/kg	0.0022	ND
1,2-Dichloroethane	0.994	mg/kg	0.0022	ND
1,2-Dichloropropane	0.994	mg/kg	0.0022	ND
1,3-Dichlorobenzene	0.994	mg/kg	0.0022	ND
1,4-Dichlorobenzene	0.994	mg/kg	0.0022	ND
1,4-Dioxane	0.994	mg/kg	0.11	ND
2-Butanone	0.994	mg/kg	0.0022	ND
2-Hexanone	0.994	mg/kg	0.0022	ND
4-Methyl-2-pentanone	0.994	mg/kg	0.0022	ND
Acetone	0.994	mg/kg	0.011	ND
Benzene	0.994	mg/kg	0.0011	ND
Bromochloromethane	0.994	mg/kg	0.0022	ND
Bromodichloromethane	0.994	mg/kg	0.0022	ND
Bromoform	0.994	mg/kg	0.0022	ND
Bromomethane	0.994	mg/kg	0.0022	ND
Carbon disulfide	0.994	mg/kg	0.0022	ND
Carbon tetrachloride	0.994	mg/kg	0.0022	ND
Chlorobenzene	0.994	mg/kg	0.0022	ND
Chloroethane	0.994	mg/kg	0.0022	ND
Chloroform	0.994	mg/kg	0.0022	ND
Chloromethane	0.994	mg/kg	0.0022	ND
cis-1,2-Dichloroethene	0.994	mg/kg	0.0022	ND
cis-1,3-Dichloropropene	0.994	mg/kg	0.0022	ND
Cyclohexane	0.994	mg/kg	0.0022	ND
Dibromochloromethane	0.994	mg/kg	0.0022	ND
Dichlorodifluoromethane	0.994	mg/kg	0.0022	ND
Ethylbenzene	0.994	mg/kg	0.0011	ND
Isopropylbenzene	0.994	mg/kg	0.0011	ND
m&p-Xylenes	0.994	mg/kg	0.0016	ND
Methyl Acetate	0.994	mg/kg	0.0022	ND
Methylcyclohexane	0.994	mg/kg	0.0022	ND
Methylene chloride	0.994	mg/kg	0.0022	ND
Methyl-t-butyl ether	0.994	mg/kg	0.0011	ND
o-Xylene	0.994	mg/kg	0.0011	ND
Styrene	0.994	mg/kg	0.0022	ND
t-Butyl Alcohol	0.994	mg/kg	0.011	ND
Tetrachloroethene	0.994	mg/kg	0.0022	ND
Toluene	0.994	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	0.994	mg/kg	0.0022	ND
trans-1,3-Dichloropropene	0.994	mg/kg	0.0022	ND
Trichloroethene	0.994	mg/kg	0.0022	ND
Trichlorofluoromethane	0.994	mg/kg	0.0022	ND
Vinyl chloride	0.994	mg/kg	0.0022	ND
Xylenes (Total)	0.994	mg/kg	0.0011	ND

Sample ID:	**SP-1-06 GRAB**	**Collection Date:**	**10/19/2022**
Lab#:	**AD34010-012**	**Receipt Date:**	**10/19/2022**
Matrix:	**Soil**		

Sample ID: SP-1-07 COMP | **Collection Date: 10/19/2022**
Lab#: AD34010-013 | **Receipt Date: 10/19/2022**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**94**

Gasoline range organics 8015D(C6-C10)

Analyte	DF	Units	RL	Result
Gasoline Range Organics	97.5	mg/kg	26	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
1,4-Dichlorobenzene-d4	35.38	30	50	150	118	

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	0.11	ND
Acenaphthene	3	mg/kg	0.11	ND
Acenaphthylene	3	mg/kg	0.11	ND
Anthracene	3	mg/kg	0.11	ND
Benzo[a]anthracene	**3**	**mg/kg**	**0.11**	**0.29**
Benzo[a]pyrene	**3**	**mg/kg**	**0.11**	**0.37**
Benzo[b]fluoranthene	**3**	**mg/kg**	**0.11**	**0.52**
Benzo[g,h,i]perylene	**3**	**mg/kg**	**0.11**	**0.28**
Benzo[k]fluoranthene	**3**	**mg/kg**	**0.11**	**0.16**
Chrysene	**3**	**mg/kg**	**0.11**	**0.29**
Dibenzo[a,h]anthracene	3	mg/kg	0.11	ND
Fluoranthene	**3**	**mg/kg**	**0.11**	**0.45**
Fluorene	3	mg/kg	0.11	ND
Indeno[1,2,3-cd]pyrene	**3**	**mg/kg**	**0.11**	**0.25**
Naphthalene	3	mg/kg	0.027	ND
Phenanthrene	**3**	**mg/kg**	**0.11**	**0.19**
Pyrene	**3**	**mg/kg**	**0.11**	**0.50**

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
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

Sample ID: SP-1-07 COMP | **Collection Date: 10/19/2022**
Lab#: AD34010-013 | **Receipt Date: 10/19/2022**
Matrix: Soil

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
TCMX-Surrogate	99.32	100	37	141	99	
TCMX-Surrogate	99.82	100	37	141	100	
DCB-Surrogate	93.78	100	34	146	94	
DCB-Surrogate	95.69	100	34	146	96	

pH 9045D

Analyte	DF	Units	RL	Result
pH	**1**	**ph**		**8.6**
Temperature	**1**	**c**		**21.9**

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**	**0.80**
Cadmium	1	mg/l	0.050	ND
Chromium	1	mg/l	0.10	ND
Lead	**1**	**mg/l**	**0.050**	**0.089**
Selenium	1	mg/l	0.10	ND
Silver	1	mg/l	0.050	ND

TPH 8015D (C8-C44)

Analyte	DF	Units	RL	Result
Total Petroleum Hydrocarbons	**1**	**mg/kg**	**64**	**180**

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
O-Terphenyl	12.22	20	30	146	61	
Chlorobenzene	10.95	20	20	117	55	

Sample ID: SP-1-07 GRAB | **Collection Date: 10/19/2022**
Lab#: AD34010-014 | **Receipt Date: 10/19/2022**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**94**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.876	mg/kg	0.0019	ND
1,1,2,2-Tetrachloroethane	0.876	mg/kg	0.0019	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.876	mg/kg	0.0019	ND
1,1,2-Trichloroethane	0.876	mg/kg	0.0019	ND
1,1-Dichloroethane	0.876	mg/kg	0.0019	ND
1,1-Dichloroethene	0.876	mg/kg	0.0019	ND
1,2,3-Trichlorobenzene	0.876	mg/kg	0.0019	ND
1,2,4-Trichlorobenzene	0.876	mg/kg	0.0019	ND
1,2-Dibromo-3-chloropropane	0.876	mg/kg	0.0019	ND
1,2-Dibromoethane	0.876	mg/kg	0.00061	ND
1,2-Dichlorobenzene	0.876	mg/kg	0.0019	ND
1,2-Dichloroethane	0.876	mg/kg	0.0019	ND
1,2-Dichloropropane	0.876	mg/kg	0.0019	ND
1,3-Dichlorobenzene	0.876	mg/kg	0.0019	ND
1,4-Dichlorobenzene	0.876	mg/kg	0.0019	ND
1,4-Dioxane	0.876	mg/kg	0.093	ND
2-Butanone	0.876	mg/kg	0.0019	ND
2-Hexanone	0.876	mg/kg	0.0019	ND
4-Methyl-2-pentanone	0.876	mg/kg	0.0019	ND
Acetone	0.876	mg/kg	0.0093	ND
Benzene	0.876	mg/kg	0.00093	ND
Bromochloromethane	0.876	mg/kg	0.0019	ND
Bromodichloromethane	0.876	mg/kg	0.0019	ND
Bromoform	0.876	mg/kg	0.0019	ND
Bromomethane	0.876	mg/kg	0.0019	ND
Carbon disulfide	0.876	mg/kg	0.0019	ND
Carbon tetrachloride	0.876	mg/kg	0.0019	ND
Chlorobenzene	0.876	mg/kg	0.0019	ND
Chloroethane	0.876	mg/kg	0.0019	ND
Chloroform	0.876	mg/kg	0.0019	ND
Chloromethane	0.876	mg/kg	0.0019	ND
cis-1,2-Dichloroethene	0.876	mg/kg	0.0019	ND
cis-1,3-Dichloropropene	0.876	mg/kg	0.0019	ND
Cyclohexane	0.876	mg/kg	0.0019	ND
Dibromochloromethane	0.876	mg/kg	0.0019	ND
Dichlorodifluoromethane	0.876	mg/kg	0.0019	ND
Ethylbenzene	0.876	mg/kg	0.00093	ND
Isopropylbenzene	0.876	mg/kg	0.00093	ND
m&p-Xylenes	0.876	mg/kg	0.0014	ND
Methyl Acetate	0.876	mg/kg	0.0019	ND
Methylcyclohexane	0.876	mg/kg	0.0019	ND
Methylene chloride	0.876	mg/kg	0.0019	ND
Methyl-t-butyl ether	0.876	mg/kg	0.00093	ND
o-Xylene	0.876	mg/kg	0.00093	ND
Styrene	0.876	mg/kg	0.0019	ND
t-Butyl Alcohol	0.876	mg/kg	0.0093	ND
Tetrachloroethene	0.876	mg/kg	0.0019	ND
Toluene	0.876	mg/kg	0.00093	ND
trans-1,2-Dichloroethene	0.876	mg/kg	0.0019	ND
trans-1,3-Dichloropropene	0.876	mg/kg	0.0019	ND
Trichloroethene	0.876	mg/kg	0.0019	ND
Trichlorofluoromethane	0.876	mg/kg	0.0019	ND
Vinyl chloride	0.876	mg/kg	0.0019	ND
Xylenes (Total)	0.876	mg/kg	0.00093	ND

Sample ID:	**SP-1-07 GRAB**	**Collection Date:**	**10/19/2022**
Lab#:	**AD34010-014**	**Receipt Date:**	**10/19/2022**
Matrix:	**Soil**		

Sample ID: SP-1-08 COMP | **Collection Date: 10/19/2022**
Lab#: AD34010-015 | **Receipt Date: 10/19/2022**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**85**

Gasoline range organics 8015D(C6-C10)

Analyte	DF	Units	RL	Result
Gasoline Range Organics	92.9	mg/kg	27	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
1,4-Dichlorobenzene-d4	29.63	30	50	150	99	

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**	**0.044**
Acenaphthylene	1	mg/kg	0.039	ND
Anthracene	**1**	**mg/kg**	**0.039**	**0.13**
Benzo[a]anthracene	**1**	**mg/kg**	**0.039**	**0.45**
Benzo[a]pyrene	**1**	**mg/kg**	**0.039**	**0.42**
Benzo[b]fluoranthene	**1**	**mg/kg**	**0.039**	**0.61**
Benzo[g,h,i]perylene	**1**	**mg/kg**	**0.039**	**0.25**
Benzo[k]fluoranthene	**1**	**mg/kg**	**0.039**	**0.18**
Chrysene	**1**	**mg/kg**	**0.039**	**0.43**
Dibenzo[a,h]anthracene	**1**	**mg/kg**	**0.039**	**0.072**
Fluoranthene	**1**	**mg/kg**	**0.039**	**0.87**
Fluorene	**1**	**mg/kg**	**0.039**	**0.041**
Indeno[1,2,3-cd]pyrene	**1**	**mg/kg**	**0.039**	**0.23**
Naphthalene	**1**	**mg/kg**	**0.0098**	**0.023**
Phenanthrene	**1**	**mg/kg**	**0.039**	**0.52**
Pyrene	**1**	**mg/kg**	**0.039**	**0.77**

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
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

Sample ID: SP-1-08 COMP | **Collection Date: 10/19/2022**
Lab#: AD34010-015 | **Receipt Date: 10/19/2022**
Matrix: Soil

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
TCMX-Surrogate	84.83	100	37	141	85	
TCMX-Surrogate	85.00	100	37	141	85	
DCB-Surrogate	112.00	100	34	146	112	
DCB-Surrogate	113.94	100	34	146	114	

pH 9045D

Analyte	DF	Units	RL	Result
pH	**1**	**ph**		**8.1**
Temperature	**1**	**c**		**21.9**

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**	**1.2**
Cadmium	1	mg/l	0.050	ND
Chromium	1	mg/l	0.10	ND
Lead	**1**	**mg/l**	**0.050**	**0.20**
Selenium	1	mg/l	0.10	ND
Silver	1	mg/l	0.050	ND

TPH 8015D (C8-C44)

Analyte	DF	Units	RL	Result
Total Petroleum Hydrocarbons	**1**	**mg/kg**	**71**	**150**

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
O-Terphenyl	14.08	20	30	146	70	
Chlorobenzene	11.81	20	20	117	59	

Sample ID: SP-1-08 GRAB | **Collection Date: 10/19/2022**
Lab#: AD34010-016 | **Receipt Date: 10/19/2022**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**85**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.924	mg/kg	0.0022	ND
1,1,2,2-Tetrachloroethane	0.924	mg/kg	0.0022	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.924	mg/kg	0.0022	ND
1,1,2-Trichloroethane	0.924	mg/kg	0.0022	ND
1,1-Dichloroethane	0.924	mg/kg	0.0022	ND
1,1-Dichloroethene	0.924	mg/kg	0.0022	ND
1,2,3-Trichlorobenzene	0.924	mg/kg	0.0022	ND
1,2,4-Trichlorobenzene	0.924	mg/kg	0.0022	ND
1,2-Dibromo-3-chloropropane	0.924	mg/kg	0.0022	ND
1,2-Dibromoethane	0.924	mg/kg	0.00071	ND
1,2-Dichlorobenzene	0.924	mg/kg	0.0022	ND
1,2-Dichloroethane	0.924	mg/kg	0.0022	ND
1,2-Dichloropropane	0.924	mg/kg	0.0022	ND
1,3-Dichlorobenzene	0.924	mg/kg	0.0022	ND
1,4-Dichlorobenzene	0.924	mg/kg	0.0022	ND
1,4-Dioxane	0.924	mg/kg	0.11	ND
2-Butanone	0.924	mg/kg	0.0022	ND
2-Hexanone	0.924	mg/kg	0.0022	ND
4-Methyl-2-pentanone	0.924	mg/kg	0.0022	ND
Acetone	0.924	mg/kg	0.011	ND
Benzene	0.924	mg/kg	0.0011	ND
Bromochloromethane	0.924	mg/kg	0.0022	ND
Bromodichloromethane	0.924	mg/kg	0.0022	ND
Bromoform	0.924	mg/kg	0.0022	ND
Bromomethane	0.924	mg/kg	0.0022	ND
Carbon disulfide	0.924	mg/kg	0.0022	ND
Carbon tetrachloride	0.924	mg/kg	0.0022	ND
Chlorobenzene	0.924	mg/kg	0.0022	ND
Chloroethane	0.924	mg/kg	0.0022	ND
Chloroform	0.924	mg/kg	0.0022	ND
Chloromethane	0.924	mg/kg	0.0022	ND
cis-1,2-Dichloroethene	0.924	mg/kg	0.0022	ND
cis-1,3-Dichloropropene	0.924	mg/kg	0.0022	ND
Cyclohexane	0.924	mg/kg	0.0022	ND
Dibromochloromethane	0.924	mg/kg	0.0022	ND
Dichlorodifluoromethane	0.924	mg/kg	0.0022	ND
Ethylbenzene	0.924	mg/kg	0.0011	ND
Isopropylbenzene	0.924	mg/kg	0.0011	ND
m&p-Xylenes	0.924	mg/kg	0.0016	ND
Methyl Acetate	0.924	mg/kg	0.0022	ND
Methylcyclohexane	0.924	mg/kg	0.0022	ND
Methylene chloride	0.924	mg/kg	0.0022	ND
Methyl-t-butyl ether	0.924	mg/kg	0.0011	ND
o-Xylene	0.924	mg/kg	0.0011	ND
Styrene	0.924	mg/kg	0.0022	ND
t-Butyl Alcohol	0.924	mg/kg	0.011	ND
Tetrachloroethene	0.924	mg/kg	0.0022	ND
Toluene	0.924	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	0.924	mg/kg	0.0022	ND
trans-1,3-Dichloropropene	0.924	mg/kg	0.0022	ND
Trichloroethene	0.924	mg/kg	0.0022	ND
Trichlorofluoromethane	0.924	mg/kg	0.0022	ND
Vinyl chloride	0.924	mg/kg	0.0022	ND
Xylenes (Total)	0.924	mg/kg	0.0011	ND

Sample ID:	**SP-1-08 GRAB**	**Collection Date:**	**10/19/2022**
Lab#:	**AD34010-016**	**Receipt Date:**	**10/19/2022**
Matrix:	**Soil**		

Sample ID: SP-1-09 COMP | **Collection Date: 10/19/2022**
Lab#: AD34010-017 | **Receipt Date: 10/19/2022**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**86**

Gasoline range organics 8015D(C6-C10)

Analyte	DF	Units	RL	Result
Gasoline Range Organics	89.9	mg/kg	26	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
1,4-Dichlorobenzene-d4	25.96	30	50	150	87	

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**	**0.064**
Acenaphthylene	1	mg/kg	0.039	ND
Anthracene	**1**	**mg/kg**	**0.039**	**0.16**
Benzo[a]anthracene	**1**	**mg/kg**	**0.039**	**0.65**
Benzo[a]pyrene	**1**	**mg/kg**	**0.039**	**0.63**
Benzo[b]fluoranthene	**1**	**mg/kg**	**0.039**	**0.88**
Benzo[g,h,i]perylene	**1**	**mg/kg**	**0.039**	**0.37**
Benzo[k]fluoranthene	**1**	**mg/kg**	**0.039**	**0.29**
Chrysene	**1**	**mg/kg**	**0.039**	**0.63**
Dibenzo[a,h]anthracene	**1**	**mg/kg**	**0.039**	**0.12**
Fluoranthene	**1**	**mg/kg**	**0.039**	**1.2**
Fluorene	**1**	**mg/kg**	**0.039**	**0.054**
Indeno[1,2,3-cd]pyrene	**1**	**mg/kg**	**0.039**	**0.34**
Naphthalene	**1**	**mg/kg**	**0.0097**	**0.027**
Phenanthrene	**1**	**mg/kg**	**0.039**	**0.65**
Pyrene	**1**	**mg/kg**	**0.039**	**1.1**

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**	**0.060**
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
Aroclor-1248	1	mg/kg	0.029	ND
Aroclor-1254	**1**	**mg/kg**	**0.029**	**0.060**
Aroclor-1260	1	mg/kg	0.029	ND
Aroclor-1262	1	mg/kg	0.029	ND
Aroclor-1268	1	mg/kg	0.029	ND

Sample ID: SP-1-09 COMP | **Collection Date: 10/19/2022**
Lab#: AD34010-017 | **Receipt Date: 10/19/2022**
Matrix: Soil

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
TCMX-Surrogate	85.68	100	37	141	86	
TCMX-Surrogate	88.43	100	37	141	88	
DCB-Surrogate	115.58	100	34	146	116	
DCB-Surrogate	117.14	100	34	146	117	

pH 9045D

Analyte	DF	Units	RL	Result
pH	**1**	**ph**		**8.1**
Temperature	**1**	**c**		**21.7**

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**	**1.3**
Cadmium	1	mg/l	0.050	ND
Chromium	1	mg/l	0.10	ND
Lead	**1**	**mg/l**	**0.050**	**0.35**
Selenium	1	mg/l	0.10	ND
Silver	1	mg/l	0.050	ND

TPH 8015D (C8-C44)

Analyte	DF	Units	RL	Result
Total Petroleum Hydrocarbons	**1**	**mg/kg**	**70**	**100**

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
O-Terphenyl	12.48	20	30	146	62	
Chlorobenzene	11.59	20	20	117	58	

Sample ID: SP-1-09 GRAB | **Collection Date: 10/19/2022**
Lab#: AD34010-018 | **Receipt Date: 10/19/2022**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**86**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.94	mg/kg	0.0022	ND
1,1,2,2-Tetrachloroethane	0.94	mg/kg	0.0022	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.94	mg/kg	0.0022	ND
1,1,2-Trichloroethane	0.94	mg/kg	0.0022	ND
1,1-Dichloroethane	0.94	mg/kg	0.0022	ND
1,1-Dichloroethene	0.94	mg/kg	0.0022	ND
1,2,3-Trichlorobenzene	0.94	mg/kg	0.0022	ND
1,2,4-Trichlorobenzene	0.94	mg/kg	0.0022	ND
1,2-Dibromo-3-chloropropane	0.94	mg/kg	0.0022	ND
1,2-Dibromoethane	0.94	mg/kg	0.00071	ND
1,2-Dichlorobenzene	0.94	mg/kg	0.0022	ND
1,2-Dichloroethane	0.94	mg/kg	0.0022	ND
1,2-Dichloropropane	0.94	mg/kg	0.0022	ND
1,3-Dichlorobenzene	0.94	mg/kg	0.0022	ND
1,4-Dichlorobenzene	0.94	mg/kg	0.0022	ND
1,4-Dioxane	0.94	mg/kg	0.11	ND
2-Butanone	0.94	mg/kg	0.0022	ND
2-Hexanone	0.94	mg/kg	0.0022	ND
4-Methyl-2-pentanone	0.94	mg/kg	0.0022	ND
Acetone	0.94	mg/kg	0.011	ND
Benzene	0.94	mg/kg	0.0011	ND
Bromochloromethane	0.94	mg/kg	0.0022	ND
Bromodichloromethane	0.94	mg/kg	0.0022	ND
Bromoform	0.94	mg/kg	0.0022	ND
Bromomethane	0.94	mg/kg	0.0022	ND
Carbon disulfide	0.94	mg/kg	0.0022	ND
Carbon tetrachloride	0.94	mg/kg	0.0022	ND
Chlorobenzene	0.94	mg/kg	0.0022	ND
Chloroethane	0.94	mg/kg	0.0022	ND
Chloroform	0.94	mg/kg	0.0022	ND
Chloromethane	0.94	mg/kg	0.0022	ND
cis-1,2-Dichloroethene	0.94	mg/kg	0.0022	ND
cis-1,3-Dichloropropene	0.94	mg/kg	0.0022	ND
Cyclohexane	0.94	mg/kg	0.0022	ND
Dibromochloromethane	0.94	mg/kg	0.0022	ND
Dichlorodifluoromethane	0.94	mg/kg	0.0022	ND
Ethylbenzene	0.94	mg/kg	0.0011	ND
Isopropylbenzene	0.94	mg/kg	0.0011	ND
m&p-Xylenes	0.94	mg/kg	0.0016	ND
Methyl Acetate	0.94	mg/kg	0.0022	ND
Methylcyclohexane	0.94	mg/kg	0.0022	ND
Methylene chloride	0.94	mg/kg	0.0022	ND
Methyl-t-butyl ether	0.94	mg/kg	0.0011	ND
o-Xylene	0.94	mg/kg	0.0011	ND
Styrene	0.94	mg/kg	0.0022	ND
t-Butyl Alcohol	0.94	mg/kg	0.011	ND
Tetrachloroethene	0.94	mg/kg	0.0022	ND
Toluene	0.94	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	0.94	mg/kg	0.0022	ND
trans-1,3-Dichloropropene	0.94	mg/kg	0.0022	ND
Trichloroethene	0.94	mg/kg	0.0022	ND
Trichlorofluoromethane	0.94	mg/kg	0.0022	ND
Vinyl chloride	0.94	mg/kg	0.0022	ND
Xylenes (Total)	0.94	mg/kg	0.0011	ND

Sample ID:	**SP-1-09 GRAB**	**Collection Date:**	**10/19/2022**
Lab#:	**AD34010-018**	**Receipt Date:**	**10/19/2022**
Matrix:	**Soil**		

Sample ID: SP-1-10 COMP | **Collection Date: 10/19/2022**
Lab#: AD34010-019 | **Receipt Date: 10/19/2022**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**92**

Gasoline range organics 8015D(C6-C10)

Analyte	DF	Units	RL	Result
Gasoline Range Organics	92.1	mg/kg	25	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
1,4-Dichlorobenzene-d4	20.86	30	50	150	70	

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	0.036	ND
Acenaphthene	1	mg/kg	0.036	ND
Acenaphthylene	1	mg/kg	0.036	ND
Anthracene	**1**	**mg/kg**	**0.036**	**0.079**
Benzo[a]anthracene	**1**	**mg/kg**	**0.036**	**0.35**
Benzo[a]pyrene	**1**	**mg/kg**	**0.036**	**0.36**
Benzo[b]fluoranthene	**1**	**mg/kg**	**0.036**	**0.50**
Benzo[g,h,i]perylene	**1**	**mg/kg**	**0.036**	**0.22**
Benzo[k]fluoranthene	**1**	**mg/kg**	**0.036**	**0.16**
Chrysene	**1**	**mg/kg**	**0.036**	**0.36**
Dibenzo[a,h]anthracene	**1**	**mg/kg**	**0.036**	**0.060**
Fluoranthene	**1**	**mg/kg**	**0.036**	**0.72**
Fluorene	1	mg/kg	0.036	ND
Indeno[1,2,3-cd]pyrene	**1**	**mg/kg**	**0.036**	**0.20**
Naphthalene	**1**	**mg/kg**	**0.0091**	**0.0091**
Phenanthrene	**1**	**mg/kg**	**0.036**	**0.35**
Pyrene	**1**	**mg/kg**	**0.036**	**0.61**

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
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

Sample ID: SP-1-10 COMP | **Collection Date: 10/19/2022**
Lab#: AD34010-019 | **Receipt Date: 10/19/2022**
Matrix: Soil

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
TCMX-Surrogate	78.15	100	37	141	78	
TCMX-Surrogate	79.62	100	37	141	80	
DCB-Surrogate	75.78	100	34	146	76	
DCB-Surrogate	77.67	100	34	146	78	

pH 9045D

Analyte	DF	Units	RL	Result
pH	**1**	**ph**		**8.4**
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**	**0.88**
Cadmium	1	mg/l	0.050	ND
Chromium	1	mg/l	0.10	ND
Lead	**1**	**mg/l**	**0.050**	**0.16**
Selenium	1	mg/l	0.10	ND
Silver	1	mg/l	0.050	ND

TPH 8015D (C8-C44)

Analyte	DF	Units	RL	Result
Total Petroleum Hydrocarbons	**1**	**mg/kg**	**65**	**190**

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
O-Terphenyl	13.26	20	30	146	66	
Chlorobenzene	12.45	20	20	117	62	

Sample ID: SP-1-10 GRAB | **Collection Date: 10/19/2022**
Lab#: AD34010-020 | **Receipt Date: 10/19/2022**
Matrix: Soil

% 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	0.928	mg/kg	0.0020	ND
1,1,2,2-Tetrachloroethane	0.928	mg/kg	0.0020	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.928	mg/kg	0.0020	ND
1,1,2-Trichloroethane	0.928	mg/kg	0.0020	ND
1,1-Dichloroethane	0.928	mg/kg	0.0020	ND
1,1-Dichloroethene	0.928	mg/kg	0.0020	ND
1,2,3-Trichlorobenzene	0.928	mg/kg	0.0020	ND
1,2,4-Trichlorobenzene	0.928	mg/kg	0.0020	ND
1,2-Dibromo-3-chloropropane	0.928	mg/kg	0.0020	ND
1,2-Dibromoethane	0.928	mg/kg	0.00066	ND
1,2-Dichlorobenzene	0.928	mg/kg	0.0020	ND
1,2-Dichloroethane	0.928	mg/kg	0.0020	ND
1,2-Dichloropropane	0.928	mg/kg	0.0020	ND
1,3-Dichlorobenzene	0.928	mg/kg	0.0020	ND
1,4-Dichlorobenzene	0.928	mg/kg	0.0020	ND
1,4-Dioxane	0.928	mg/kg	0.10	ND
2-Butanone	0.928	mg/kg	0.0020	ND
2-Hexanone	0.928	mg/kg	0.0020	ND
4-Methyl-2-pentanone	0.928	mg/kg	0.0020	ND
Acetone	0.928	mg/kg	0.010	ND
Benzene	0.928	mg/kg	0.0010	ND
Bromochloromethane	0.928	mg/kg	0.0020	ND
Bromodichloromethane	0.928	mg/kg	0.0020	ND
Bromoform	0.928	mg/kg	0.0020	ND
Bromomethane	0.928	mg/kg	0.0020	ND
Carbon disulfide	0.928	mg/kg	0.0020	ND
Carbon tetrachloride	0.928	mg/kg	0.0020	ND
Chlorobenzene	0.928	mg/kg	0.0020	ND
Chloroethane	0.928	mg/kg	0.0020	ND
Chloroform	0.928	mg/kg	0.0020	ND
Chloromethane	0.928	mg/kg	0.0020	ND
cis-1,2-Dichloroethene	0.928	mg/kg	0.0020	ND
cis-1,3-Dichloropropene	0.928	mg/kg	0.0020	ND
Cyclohexane	0.928	mg/kg	0.0020	ND
Dibromochloromethane	0.928	mg/kg	0.0020	ND
Dichlorodifluoromethane	0.928	mg/kg	0.0020	ND
Ethylbenzene	0.928	mg/kg	0.0010	ND
Isopropylbenzene	0.928	mg/kg	0.0010	ND
m&p-Xylenes	0.928	mg/kg	0.0015	ND
Methyl Acetate	0.928	mg/kg	0.0020	ND
Methylcyclohexane	0.928	mg/kg	0.0020	ND
Methylene chloride	0.928	mg/kg	0.0020	ND
Methyl-t-butyl ether	0.928	mg/kg	0.0010	ND
o-Xylene	0.928	mg/kg	0.0010	ND
Styrene	0.928	mg/kg	0.0020	ND
t-Butyl Alcohol	0.928	mg/kg	0.010	ND
Tetrachloroethene	0.928	mg/kg	0.0020	ND
Toluene	0.928	mg/kg	0.0010	ND
trans-1,2-Dichloroethene	0.928	mg/kg	0.0020	ND
trans-1,3-Dichloropropene	0.928	mg/kg	0.0020	ND
Trichloroethene	0.928	mg/kg	0.0020	ND
Trichlorofluoromethane	0.928	mg/kg	0.0020	ND
Vinyl chloride	0.928	mg/kg	0.0020	ND
Xylenes (Total)	0.928	mg/kg	0.0010	ND

Sample ID:	**SP-1-10 GRAB**	**Collection Date:**	**10/19/2022**
Lab#:	**AD34010-020**	**Receipt Date:**	**10/19/2022**
Matrix:	**Soil**		

Hampton-Clarke, Inc. (WBE/DBE/SBE)
175 US Highway 46 and 2 Madison Road, Fairfield, New Jersey 07004
Ph: 800-426-9992 | 973-244-9770 Fax: 973-244-9787 | 973-439-1458

Service Center: 137-D Gaither Drive, Mount Laurel, New Jersey 08054
Ph (Service Center): 856-780-6057 Fax: 856-780-6056

Hampton-Clarke
WBE/DBE/SBE 800-426-9992
A Women-Owned, Disadvantaged, Small Business Enterprise

CHAIN OF CUSTODY RECORD

Project# (Lab Use Only) 2102001
Page 1 of 1

NELAC/NJ #07071 | PA #68-00463 | NY #11408 | CT #PH-0671 | KY #90124 | DE HSCA Approved

Customer Information
1a) Customer: WSP
Address: 350 Mt Kemble Ave
Morristown, NJ 07960
1b) Email/Cell/Fax/Ph: Jon.Ganz@wsp.com
1c) Send Invoice to: Jon Ganz
1d) Send Report to: Jon Ganz

Project Information
2a) Project: 17D161F Gateway Estates
2b) Project Mgr: Jon Ganz
2c) Project Location (City/State): Brooklyn/NY
2d) Quote/PO # (If Applicable):

3) Reporting Requirements (Please Circle)

Turnaround	Report Type	Electronic Data Deliv.
When Available:	Summary	NJ Hazsite
1 Business Day (100%) *	Results + QC (Waste)	Excel Reg. NJ / NY / PA
2 Business Days (75%) *	Reduced:	EnviroData
3 Business Days (50%) *	[ ] NJ [ ] NY	EQuIS:
4 Business Days (35%) *	[ ] PA [ ] Other___	[ ] 4-File [ ] EZ
(5 Business Days (25%)) (circled)	NJ Full / NY ASP CatB	[ ] NYDEC
8 Business Days (Stand.)	NY ASP CatA	[ ] Region 2 or 5
Other: ______		Other: ______

* Expedited TAT Not Always Available. Please Check with Lab.

FOR LAB USE ONLY ↓
Batch # A034010

===> Check If Contingent ===>   <=== Check If Contingent <===

Matrix Codes
DW - Drinking Water S - Soil A - Air
GW - Ground Water SL - Sludge
WW - Waste Water OL - Oil
OT - Other (please specify under item 9, Comments)

7) Analysis (specify methods & parameter lists)

Lab Sample #	4) Customer Sample ID	5) Matrix	6) Sample Date	6) Sample Time	Composite (C)	Grab (G)	TCL VOCs	PAHs	TPH-DRO/GRO	PCBs	TCLP(RCRA 8) Metals	RCRA-Char						8) # of Bottles: None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other:	9) Comments
-001/-002	SP-1-01	S	10/19	1220	X	X	X	X	X	X	X	X						2								
-003/-004	SP-1-02	S	↓	1205	X	X	X	X	X	X	X	X						2								
-005/-006	SP-1-03	S		1150	X	X	X	X	X	X	X	X						2								
-007/-008	SP-1-04	S		1135	X	X	X	X	X	X	X	X						2								
-009/-010	SP-1-05	S		0900	X	X	X	X	X	X	X	X						2								
-011/-012	SP-1-06	S		0920	X	X	X	X	X	X	X	X						2								
-013/-014	SP-1-07	S		0940	X	X	X	X	X	X	X	X						2								
-015/-016	SP-1-08	S		1015	X	X	X	X	X	X	X	X						2								
-017/-018	SP-1-09	S		1115	X	X	X	X	X	X	X	X						2								
-019/-020	SP-1-10	S	↓	1035	X	X	X	X	X	X	X	X						2								

10) Relinquished by:	Accepted by:	Date	Time
[signature]	[signature]	10/19/22	1755

Comments, Notes, Special Requirements, HAZARDS

Indicate if low-level methods required to meet current groundwater standards (SPLP for soil):
- [ ] **BN or BNA (8270E SIM)**
- [ ] **VOC (8260D SIM or 8011)**
- [ ] **SPLP (BN, BNA, Metals)**
- [ ] **1,4 Dioxane**

Check if applicable:
- [ ] **Project-Specific Reporting Limits**
- [ ] **High Contaminant Concentrations**
- [ ] **NJ LSRP Project (also check boxes above/right)**

For NJ LSRP projects, indicate which standards need to be met:
- [ ] **NJDEP GWQS**
- [ ] **NJDEP SRS**
- [ ] **NJDEP SPLP**
- [ ] **Other (specify):**

Cooler Temperature: 2.7

11) Sampler (print name): James Harper, Ian Artwo **Date:**

Additional Notes

Please note NUMBERED items. If not completed your analytical work may be delayed.
A fee of $5/sample will be assessed for storage should sample not be activated for any analysis.

Internal use: sampling plan (check box) HC [ ] or client [ ] FSP#