Sampling Summary Report

for

Construction of New Bomb Squad Administration Buildings
Rodman's Neck, Bronx, New York 10464

DDC PROJECT NO. SANDBOMB

WOL No. OEHS-20201409799-WOL-118

CONTRACT REGISTRATION NO. 20201409799

Prepared for:

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PROJECT NO. 31402661.092

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1.0 INTRODUCTION

At the request of the New York City (NYC) Department of Design and Construction (DDC), Louis Berger U.S., Inc., a WSP Company (Louis Berger) prepared this Sampling Summary Report (SSR) for the SANDBOMB City of New York Police Department (NYPD) Bomb Squad and Tactical Training facility Site located on Rodman's Neck in the Pelham Bay Park section of the Borough of Bronx, New York (hereinafter referred to as the Site). This SSR documents field sampling activities including the advancement of soil borings, the screening of soils, and the collection and analyses of soil and groundwater samples.

1.1 Project Description

The scope of the SANDBOMB activities consists of the construction of several new Bomb Squad buildings and the demolition of existing structures. The Site is comprised of Block 5650, Lot 1, according to the NYC Department of Finance (DOF) Digital Tax Maps and the current Bomb Squad building is currently occupied and in use as an administrative building, classroom, and general storage for the NYPD Bomb Squad, as well as a police dog training facility.

The infrastructure improvements will generate approximately 4,900 cubic yards (CY) of soil. Soils generated as part of the SANDBOMB infrastructure activities will be managed as per applicable New York State Department of Environmental Conservation (NYSDEC) Part 375 Restricted Use soil cleanup objectives (SCOs) for Commercial Criteria and any additional specifications required by the DDC.

Based on information provided by the DDC, the depth of excavation proposed for the infrastructure project is estimated to range from 2 feet below grade (ftbg) to 5 ftbg.

2.0 FIELD ACTIVITIES

Louis Berger provided oversight for the advancement of five soil borings and collected soil and groundwater samples during the field investigation conducted on August 30 and October 1, 2021, in the vicinity of the planned construction. Drilling services for the advancement of the soil borings were provided by PAL Environmental Services (PAL).

2.1 Utility Mark-Outs

Prior to the beginning of invasive field activities, PAL contacted the New York one-call center to mark-out utilities beneath the sidewalk at each boring location. Additionally, all nine (9) soil borings were cleared with a geophysical survey.

2.2 Soil Sampling and Analysis

Soil borings for proposed excavations were performed to a maximum of 5 ftbg. Soil samples were collected utilizing hand tools such as post hole diggers and hand augers. Soils were screened along the vertical length of the soil column using a photoionization detector (PID) and visual/olfactory senses.

One grab and one composite soil sample were collected from each boring for laboratory analysis. The grab soil samples were collected from either the 6-inch interval above the terminal depth of the proposed excavation (where recovery allowed), the 6-inch interval above an encountered refusal (when encountered), or the 6-inch interval above the groundwater table (when encountered). The composite soil sample was prepared by homogenizing the entire length of the soil column for each soil boring, except where groundwater or refusal was encountered, where the sample was collected from the ground surface to the encountered groundwater or refusal. Grab and composite samples were identified as SB01 through SB09.

Upon completion of the soil boring activities, all soil cuttings generated during were returned to the same borehole and patched.

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

Boring ID	Proposed Excavation Activity	Depth of Proposed Excavation (ftbg)	Depth of Boring (ftbg)	Grab Sample Interval (ftbg)	Composite Sample Interval (ftbg)
SB01/TWP01	Proposed UST location	5	5*	3.0 - 3.5	0.0 - 3.5
SB02	Berm Material	2	2	1.5 - 2.0	0.0 - 2.0
SB03	New Building	3	3	2.5 - 3.0	0.0 - 3.0
SB04	Elevator Shaft	5	2.5*	2.0 - 2.5	0.5 - 2.5
SB05	New Building	3	3	2.5 - 3.0	0.0 - 3.0
SB06	New Building	3	3	2.5 - 3.0	0.0 - 3.0
SB07	New Tree Planting excavation	5	1.0**	0.5 - 1.0	0.0 - 1.0
SB08	New Building, and New Site Work, New Road, and Parking Areas	2	2	1.5 - 2.0	0.5 - 2.0
SB09	New Site Work, New Road, and Parking Areas	2	2	1.5 - 2.0	0.5 - 2.0

* Groundwater was encountered in soil boring SB01 and SB04. Soil boring SB04 was terminated at groundwater; however SB01 was advanced in order to install a temporary well point.
**Refusal was encountered at soil boring SB07 consisting of cobbles and rocks. The soil boring was terminated at 1.0 ftbg after several attempts.

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 were provided by Hampton-Clarke (HC) of Fairfield, New Jersey, which is a New York State Department of Health (NYSDOH) ELAP-certified analytical laboratory (No. 11408).

The grab soil samples SB01 through SB09 were analyzed for Target Compound List (TCL) VOCs using U.S. Environmental Protection Agency (USEPA) Method 8260C. The composite soil samples SB01 through SB09 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 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, and the three RCRA Characteristics, ignitability, reactivity, and corrosivity, by USEPA Methods 9012B/9034,

1030/1010A, and 9045C, as well as Paint Filter Test by USEPA Method 9095B, for waste classification purposes.

2.3 Analytical Results

Analytical laboratory results indicated several compounds exceeded the NYSDEC Part 375 Restricted Use SCOs for Commercial Criteria, and one soil sample, SB06, exceeded the RCRA Hazardous Waste Action Level for TCLP lead. The following table is a summary of exceedances.

Analyte	Commercial Use (Track 2) SCOs	RCRA Hazardous Waste Levels	SB01	SB02	SB03	SB04	SB05	SB06	SB07	SB08	SB09
Benzo[a]anthracene	5.6 mg/kg	NS	X								
Benzo[a]pyrene	1 mg/kg	NS	X	X	X	X		X	X	X	X
Benzo[b]fluoranthene	5.6 mg/kg	NS	X	X							
Dibenzo[a,h]anthracene	0.56 mg/kg	NS	X	X							
TCLP Lead	NS	5 mg/L						X			

NS – No Standard

Comments:

- Summarized analytical results are presented in Tables 2 through 6.

- TCLP Lead exceeded the USEPA Hazardous Waste Limit of 5 milligrams per liter (mg/L) or parts per million (ppm) in soil SB06 at a concentration of 6.9 mg/L or ppm. The TCLP results are presented in Table 5.

- The following compounds exceeded the NYSDEC Part 375 SCOs for Commercial Criteria:
  - Benzo[a]anthracene exceeded in sample SB01.
  - Benzo[a]pyrene exceeded in samples SB01, SB02, SB03, SB04, SB06, SB07, SB08, and SB09.
  - Benzo[b]fluoranthene exceeded in samples SB01 and SB02.
  - Dibenzo[a,h]anthracene exceeded in samples SB01 and SB02.

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:

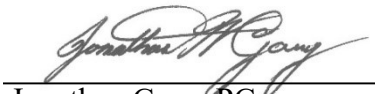
- The contract documents should identify provisions and a contingency for managing, handling, transporting, and disposing of any hazardous contaminated soils. The Contractor should be required to submit a Material Handling Plan to identify the specific protocol and procedures that will be employed to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

- Laboratory analytical results indicated soil sample SB06 exhibited evidence of hazardous waste characteristics for toxicity as discussed above and identified in Table 5. Upon commencement of the infrastructure improvement 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 barium detections may be attributed to contaminants related to fill material; and,

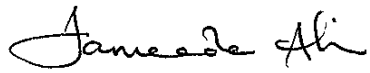
- The soil pre-characterization results should be presented to disposal facilities for classification and acceptance in accordance with the individual facility permit requirements and State and Federal regulations.

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.

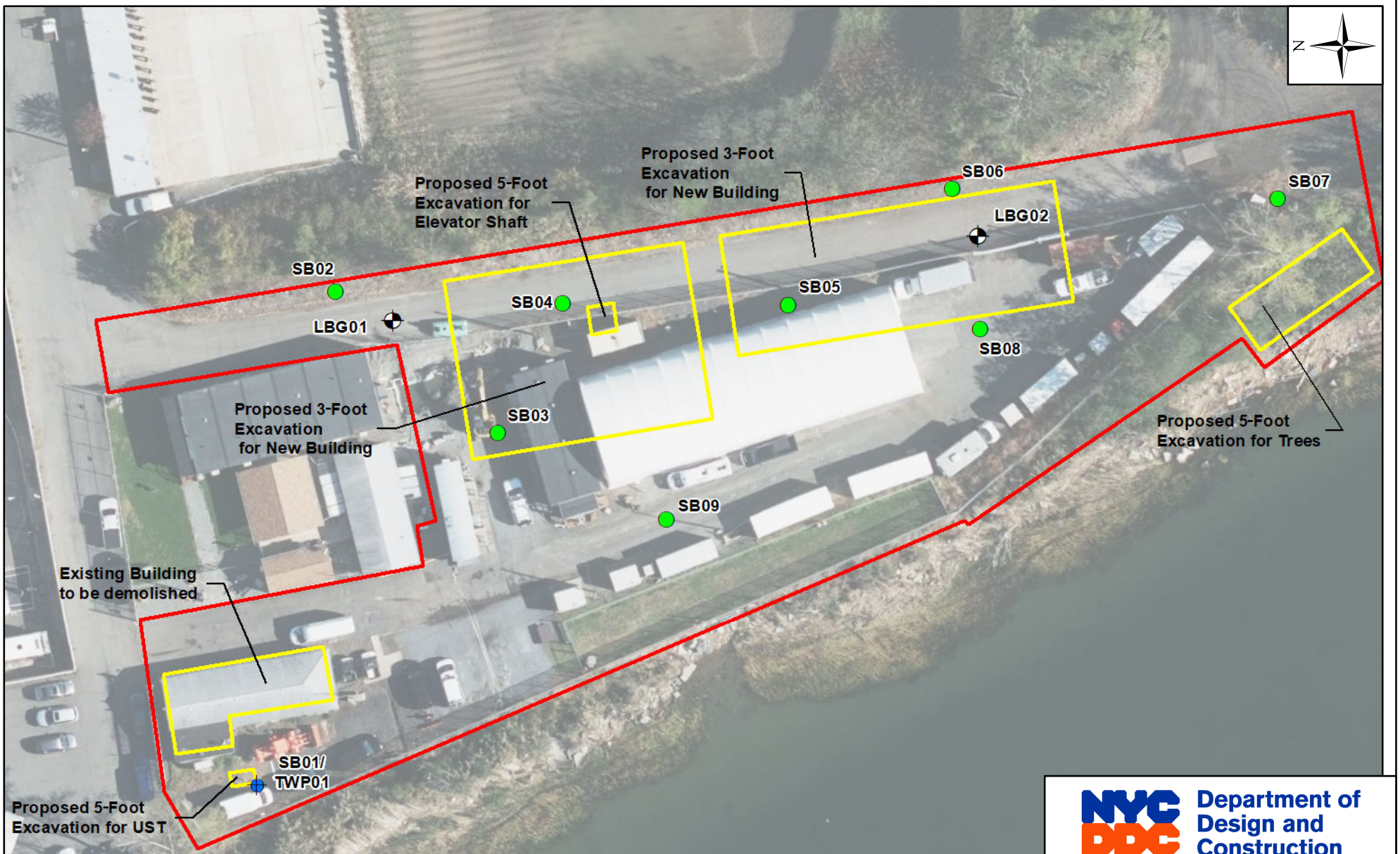
In preparing this report, Louis Berger has relied upon and presumed accurate certain information (or the absence thereof) about the Site and adjacent properties provided by governmental officials and agencies, the Client, and others identified herein. Except as otherwise stated in the report, Louis Berger 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. SANDBOMB WOL NO.: OEHS-20201409799-WOL-118

SOIL BORING LOCATION PLAN

PHASE II ENVIRONMENTAL SITE INVESTIGATION
REPORT FOR CONSTRUCTION OF NEW
BOMB SQUAD ADMINISTRATION BUILDINGS
RODMAN'S NECK,
BRONX, NEW YORK 10464

SCALE: 1" = 50'	DATE: 10/19/2021	FIGURE: 1

TABLES

Table 1a. Summary of Environmental Boring Data
Sampling Summary Report for Construction of New Bomb Squad Administration Buildings
Rodman's Neck, Bronx, New York 10464

Boring No.	Sample ID	High PID (ppm)	Sample Interval (ftbg)	Total VOCs (mg/kg)	Total PAHs (mg/kg)	TCLP Metals Exceed (Yes/No)[1]	Depth to Water (ftbg)	Total Depth (ftbg)	Other Comments
SB01/ TWP01	SB01/ TWP01	<1	3.0 - 3.5	0.0040	-	No	3.5	5.0	No visual or olfactory signs of contamination observed. Fill material was observed.
			0.0 - 3.5	-	65.12				
SB02	SB02	<1	1.5 - 2.0	0.0043	-	No	NE	2.0	No visual or olfactory signs of contamination observed. Fill material was observed.
			0.0 - 2.0	-	48.98				
SB03	SB03	<1	2.5 - 3.0	0.0658	-	No	NE	3.0	No visual or olfactory signs of contamination observed. Fill material was observed.
			0.0 - 3.0	-	34.688				
SB04	SB04	<1	2.0 - 2.5	0.0432	-	No	2.5	2.5	No visual or olfactory signs of contamination observed. Fill material was observed.
			0.5 - 2.5	-	34.28				
SB05	SB05	<1	2.5 - 3.0	ND	-	No	NE	3.0	No visual or olfactory signs of contamination observed. Fill material was observed.
			0.0 - 3.0	-	1.52				
SB06	SB06	<1	2.5 - 3.0	0.011	-	YES	NE	3.0	No visual or olfactory signs of contamination observed. Fill material was observed.
			0.0 - 3.0	-	21.27				
SB07	SB07	<1	0.5 - 1.0	0.0092	-	No	NE	1.0	No visual or olfactory signs of contamination observed. Fill material was observed. Refusal at 1 ftbg due to cobbles and rocks.
			0.0 - 1.0	-	25.77				
SB08	SB08	<1	1.5 - 2.0	0.0232	-	No	NE	2.0	No visual or olfactory signs of contamination observed. Fill material was observed.
			0.5 - 2.0	-	16.18				
SB09	SB09	<1	1.5 - 2.0	0.1211	-	No	NE	2.0	No visual or olfactory signs of contamination observed. Fill material was observed.
			0.5 - 2.0	-	34.22				

Notes:
[1] - TCLP metal(s) exceeds Resource Conservation and Recovery Act (RCRA) Hazardous Waste
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 1b. Summary of Observation Well Data
Sampling Summary Report for Construction of New Bomb Squad Administration Buildings
Rodman's Neck, Bronx, New York 10464

Observation Well No.	Sample ID	Well PID (ppm)	Sample depth (ftbg)	Total VOCs (mg/kg)	NYCDEP Exceedance (Yes/No)[1]	Depth to Water (ftbg)	Total Well Depth (ftbg)	Other Comments
LBG01	LBG01	<1	7.6	ND	No	3.3	11.8	No visual or olfactory signs of contamination observed.
LBG02	LBG02	<1	12.0	ND	No	9.5	17.7	No visual or olfactory signs of contamination observed.

Notes:
[1] - Analytical results of the groundwater samples exceeded the NYCDEP Sewer Discharge Criteria..
All groundwater samples were analyzed for the NYCDEP Sewer Discharge Criteria.
PID = Photoionization detector
ND = Not Detected
ftbg = feet below grade

Table 2. Summary of Target Compound List (TCL) Volatile Organic Compounds (VOCs) Detected in Soil
Sampling Summary Report for Construction of New Bomb Squad Administration Buildings
Rodman's Neck, Bronx, New York 10464

TCL VOCs	Commercial Use (Track 2) Soil Cleanup Objectives (SCOs)	Sample ID, Date Collected, and Depth								
		SB01	SB02	SB03	SB04	SB05	SB06	SB07	SB08	SB09
		10/1/2021	9/30/2021	10/1/2021	9/30/2021	9/30/2021	9/30/2021	9/30/2021	9/30/2021	9/30/2021
		3.0 - 3.5	1.5 - 2.0	2.5 - 3.0	2.0 - 2.5	2.5 - 3.0	2.5 - 3.0	0.5 - 1.0	1.5 - 2.0	1.5 - 2.0
2-Butanone	500	ND	ND	ND	ND	ND	ND	ND	ND	0.013
Acetone	500	ND	ND	0.046	0.037	ND	ND	ND	0.019	0.099
Ethylbenzene	390	ND	ND	0.0016	ND	ND	ND	ND	ND	ND
m&p-Xylenes	500	ND	ND	0.0061	ND	ND	0.0017	ND	ND	ND
Methylene chloride	500	0.0040	0.0043	0.0097	0.0062	ND	0.0093	0.0092	0.0042	0.0091
o-Xylene	500	ND	ND	0.0024	ND	ND	ND	ND	ND	ND
Xylenes (Total)	500	ND	ND	0.0085	ND	ND	0.0017	ND	ND	ND

Notes:
All concentrations are in parts per million or milligrams per kilogram (ppm or mg/kg)
ND = Compound not detected above method detection limit (see attached lab report for MDLs)
SCOs = Soil Cleanup Objectives as per the NYSDEC Regulations 6 NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives (December 14, 2006)

Table 3. Summary of Polycyclic Aromatic Hydrocarbons (PAHs) Detected in Soil
Sampling Summary Report for Construction of New Bomb Squad Administration Buildings
Rodman's Neck, Bronx, New York 10464

PAHs	Commercial Use (Track 2) Soil Cleanup Objectives (SCOs)	Sample ID, Date Collected, and Depth								
		SB01	SB02	SB03	SB04	SB05	SB06	SB07	SB08	SB09
		10/1/2021	9/30/2021	10/1/2021	9/30/2021	9/30/2021	9/30/2021	9/30/2021	9/30/2021	9/30/2021
		0.0 - 3.5	0.0 - 2.0	0.0 - 3.0	0.5 - 2.5	0.0 - 3.0	0.0 - 3.0	0.0 - 1.0	0.5 - 2.0	0.5 - 2.0
Acenaphthene	500	ND	ND	0.3	0.54	ND	ND	ND	ND	0.69
Acenaphthylene	500	ND	0.39	0.26	0.9	ND	ND	ND	ND	ND
Anthracene	500	1.4	1.1	0.95	1.3	ND	0.73	0.51	ND	1.7
Benzo[a]anthracene	5.6	6.3	4.7	3.2	3.0	ND	2.1	2.5	1.6	2.9
Benzo[a]pyrene	1	6.4	4.5	3.0	3.0	ND	1.8	2.7	1.7	1.9
Benzo[b]fluoranthene	5.6	10	6.4	4.5	4.2	0.44	2.6	3.5	2.3	2.8
Benzo[g,h,i]perylene	500	2.7	3.0	1.2	1.2	ND	1	1.7	0.86	1.0
Benzo[k]fluoranthene	56	3.2	1.8	1.4	1.5	ND	0.76	1.2	0.71	0.9
Chrysene	56	5.7	3.7	2.7	2.5	ND	1.7	2.2	1.4	2.4
Dibenzo[a,h]anthracene	0.56	0.82	0.79	0.37	0.36	ND	ND	0.46	ND	ND
Fluoranthene	500	11	8.6	6.2	6.0	0.56	3.7	4.0	2.7	6.6
Fluorene	500	ND	ND	0.33	0.87	ND	ND	ND	ND	1.1
Indeno[1,2,3-cd]pyrene	5.6	2.6	2.5	1.2	1.2	ND	0.88	1.5	0.71	0.93
Naphthalene	500	ND	ND	0.078	0.11	ND	ND	ND	ND	ND
Phenanthrene	500	4.0	4.0	3.4	2.4	ND	2.6	1.7	1.6	6.0
Pyrene	500	11	7.5	5.6	5.2	0.52	3.4	3.8	2.6	5.3

Notes:
All concentrations are in parts per million or milligrams per kilogram (ppm or mg/kg)
ND = Compound not detected above method detection limit (see attached lab report for MDLs)
SCOs = Soil Cleanup Objectives as per the NYSDEC Regulations 6 NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives (December 14, 2006)
Shading = Concentration exceeds Commercial Use (Track 2) Soil Cleanup Objectives

Table 4. Summary of Polychlorinated Biphenyls (PCBs) Detected in Soil
Sampling Summary Report for Construction of New Bomb Squad Administration Buildings
Rodman's Neck, Bronx, New York 10464

PCBs	Commercial Use (Track 2) Soil Cleanup Objectives (SCOs)	Sample ID, Date Collected, and Depth								
		SB01	SB02	SB03	SB04	SB05	SB06	SB07	SB08	SB09
		10/1/2021	9/30/2021	10/1/2021	9/30/2021	9/30/2021	9/30/2021	9/30/2021	9/30/2021	9/30/2021
		0.0 - 3.5	0.0 - 2.0	0.0 - 3.0	0.5 - 2.5	0.0 - 3.0	0.0 - 3.0	0.0 - 1.0	0.5 - 2.0	0.5 - 2.0
PCB-1254	1	ND	ND	ND	0.055	ND	0.075	ND	0.066	ND
PCB-1260	1	ND	ND	ND	ND	ND	ND	ND	ND	0.050
PCB-1262	1	ND	ND	ND	ND	ND	0.035	ND	ND	ND
PCB (Total)*	1	ND	ND	ND	0.055	ND	0.11	ND	0.066	0.050

Notes:
All concentrations are in parts per million or milligrams per kilogram (ppm or mg/kg)
ND = Compound not detected above method detection limit (see attached lab report for MDLs)
SCOs = Soil Cleanup Objectives as per the NYSDEC Regulations 6 NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives (December 14, 2006)
* Refers to the total concentration of PCBs in the sample

Table 5. Summary of Waste Classification Results in Soil
Sampling Summary Report for Construction of New Bomb Squad Administration Buildings
Rodman's Neck, Bronx, New York 10464

Analyte	Resource Conservation and Recovery Act (RCRA) Hazardous Waste Levels	Sample ID, Date Collected, and Depth								
		SB01	SB02	SB03	SB04	SB05	SB06	SB07	SB08	SB09
		10/1/2021	9/30/2021	10/1/2021	9/30/2021	9/30/2021	9/30/2021	9/30/2021	9/30/2021	9/30/2021
		0.0 - 3.5	0.0 - 2.0	0.0 - 3.0	0.5 - 2.5	0.0 - 3.0	0.0 - 3.0	0.0 - 1.0	0.5 - 2.0	0.5 - 2.0
RCRA (Including TCLP Metals)										
pH	2 - 12.5*	8.4	8.2	8.4	8.9	8.6	8.6	8.5	8.8	9.5
Ignitability	>140 °F**	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG
Paint Filter Test	NS	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG
Reactive Cyanide	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
Reactive Sulfide	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	5	ND	ND	ND	ND	ND	0.13	ND	ND	ND
Barium	100	0.90	0.48	1.1	0.55	0.60	0.57	0.51	0.87	0.54
Cadmium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lead	5	0.14	0.30	0.52	0.77	2.8	6.9	0.37	0.49	0.39
Mercury	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
Selenium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
TPH DRO/GRO (mg/kg)										
TPH - Diesel Range Organics	NS	630	590	480	2,000	360	480	580	1,600	650
TPH - Gasoline Range Organics	NS	ND	30	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
TCLP = Toxicity Characteristic Leaching Procedure
NS = No Standard
NA = Not Applicable or Not Analyzed
*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 (free liquids were not detected during Paint Filter Test) or Negative (flame did not propagate down the 200 millimeter track)
ND = Compound not detected above method detection limit (see attached lab report for MDLs)
Shading = Concentration exceeds RCRA Hazardous Waste Levels

Table 6. Groundwater Quality Compared to New York City Department of Environmental Protection Limitations for Effluent to Sanitary or Combined Sewers
Sampling Summary Report for Construction of New Bomb Squad Administration Buildings
Rodman's Neck, Bronx, New York 10464

Parameter[1]	NYC DEP Limitations to Sanitary or Combined Sewers	Sample ID and Date Collected		
		TWP01	LBG01	LBG02
		10/1/2021	10/1/2021	10/1/2021
Non-Polar Material[2]	50 mg/L	ND	ND	ND
Flash Point - Liquid/Solid	>140 °F	>141°F	>141°F	>141°F
pH	≥5 and ≤12	7.3	6.9	7.0
Cadmium (Instantaneous or Composite)	2 or 0.69 mg/L	ND	ND	ND
Chromium Hexavalent (VI)	5 mg/L	ND	ND	ND
Copper	5 mg/L	0.028 mg/L	ND	ND
Lead	2 mg/L	0.044 mg/L	0.033 mg/L	0.023 mg/L
Mercury	0.05 mg/L	ND	ND	ND
Nickel	3 mg/L	ND	ND	ND
Zinc	5 mg/L	0.059 mg/L	ND	0.042 mg/L
Benzene	134 ug/L	ND	ND	ND
Carbon tetrachloride	NS	ND	ND	ND
Chloroform	NS	ND	ND	ND
1,4-Dichlorobenzene	NS	ND	ND	ND
Ethylbenzene	380 ug/L	ND	ND	ND
MTBE (Methyl-Tert-Butyl-Ether)	50 ug/L	ND	ND	ND
Naphthalene	47 ug/L	ND	ND	ND
Phenol	NS	ND	ND	ND
Tetrachloroethene	20 ug/L	ND	ND	ND
Toluene	74 ug/L	ND	ND	ND
1,2,4-Trichlorobenzene	NS	ND	ND	ND
1,1,1-Trichloroethane	NS	ND	ND	ND
Xylenes (Total)	74 ug/L	ND	ND	ND
PCBs (Total)[3]	1 ug/L	ND	ND	ND
Total Suspended Solids[4]	350 mg/L	170 mg/L	88 mg/L	96 mg/L
CBOD[5]	NS	ND	4.3 mg/L	2.4 mg/L
Chloride[5]	NS	170 mg/L	630 mg/L	850 mg/L
Total Nitrogen[5]	NS	17.6 mg/L	4.5 mg/L	0.52 mg/L
Total Solids[5]	NS	930 mg/L	1,800 mg/L	2,900 mg/L

Notes:
NS = No Standard
ND = Compound not detected above method detection limit (see attached lab report for MDLs)
[1] All handling and preservation of collected samples and laboratory analyses of samples was performed in accordance with 40 CFR Part 136.
[2] Analysis for non-polar materials was performed by EPA method 1664.
[3] Analysis for polychlorinated biphenyls (PCBs) was performed according to EPA method 608 with method detection limit ≤ 65 parts per trillion. Analysis for PCBs is required if discharge ≥ 10,000 gallons per day (gpd) and duration of discharge > 10 days.
[4] For discharge ≥ 10,000 gpd, the total suspended solids (TSS) limit is 350 mg/l. For discharge < 10,000 gpd, the limit is determined on a case by case basis.
[5] Analysis for Carbonaceous Biochemical Oxygen Demand (CBOD), Chloride, Total Nitrogen, and Total Solids are required if proposed discharge ≥ 10,000 gpd.

APPENDIX A
GEOLOGIC BORING LOGS

Louis Berger

Drilling Log

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BORING NO.: SB01/TWP01

LOCATION: Bronx, NY

CLIENT:	NYC Department of Design and Construction	**PROJECT NO.:**	31402661.092
PROJECT:	Phase II ESI for SANDBOMB New Bomb Squad Administration Building	**FMS ID#:**	SANDBOMB
DRILLING CONTRACTOR:	PAL Environmental Services	**WOL #:**	OEHS-20201409799-WOL-118
DRILLING METHOD:	Airknife and Vactron	**DATE STARTED:**	10/1/2021
BOREHOLE DATA	**WELL DATA**	**DATE FINISHED:**	10/1/2021
Diameter (in): 6	**Well Diameter (in):** N/A	**DRIILER:**	T. Portillo
Total Depth (ft.): 5	**Total Depth (ft.):** N/A	**LBA INSPECTOR:**	H. August
Depth to Refusal (ft): N/A	**Screen Length (ft):** N/A	**NORTHING (ft):**	250021.6234
Depth to Water (ft.): 3.5	**Depth to Water (ft.):** N/A	**EASTING (ft):**	1038680.099
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.
Groundwater sample TWP01 collected from a temporary well point.

Well Construction	Depth (feet)	Lithology	USCS	Sample Interval	Sample Recovery	PID Reading (ppm)	Description and Stratigraphy	Remarks
	0		FILL			<1	Very dusky red (10R 2/2), coarse to fine GRAVEL, some Silt, little coarse to fine Sand, moist.	**Silty Gravel (Fill)**
	2		FILL			<1	Moderate brown (5YR 3/4), coarse to fine GRAVEL, some Silt, little coarse to fine Sand, moist.	
▽	4		FILL			<1	Moderate brown (5YR 3/4), SILT, some coarse to fine Sand, little coarse to fine Gravel, moist.	**Sandy Silt (Fill). Collected grab sample SB01 from 3.0 to 3.5 ftbg and composite sample SB01 from 0 to 3.5 ftbg.**
							Total Depth of Boring 5 feet.	

Louis Berger

Drilling Log

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BORING NO.: SB02

LOCATION: Bronx, NY

CLIENT:	NYC Department of Design and Construction	**PROJECT NO.:**	31402661.092
PROJECT:	Phase II ESI for SANDBOMB New Bomb Squad Administration Building	**FMS ID#:**	SANDBOMB
DRILLING CONTRACTOR:	PAL Environmental Services	**WOL #:**	OEHS-20201409799-WOL-118
DRILLING METHOD:	Airknife and Vactron	**DATE STARTED:**	9/30/2021
BOREHOLE DATA		**DATE FINISHED:**	9/30/2021
Diameter (in):	6	**DRIILER:**	T. Portillo
Total Depth (ft.):	2	**LBA INSPECTOR:**	H. August
Depth to Refusal (ft):	N/A	**NORTHING (ft):**	249992.7107
Depth to Water (ft.):	N/A	**EASTING (ft):**	1038862.965
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.

Well Construction	Depth (feet)	Lithology	USCS	Sample Interval	Sample Recovery	PID Reading (ppm)	Description and Stratigraphy	Remarks
	0		FILL			<1	Grayish Brown (5YR3/2), SILT, little coarse to fine Sand, little coarse to fine Gravel, moist.	**Silt (Fill). Collected grab sample SB02 from 1.5 to 2.0 ftbg and composite sample SB02 from 0 to 2 ftbg.**
	2						Total Depth of Boring 2 feet.	
	4							

Drilling Log

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BORING NO.: SB03

LOCATION: Bronx, NY

CLIENT:	NYC Department of Design and Construction	**PROJECT NO.:**	31402661.092
PROJECT:	Phase II ESI for SANDBOMB New Bomb Squad Administration Building	**FMS ID#:**	SANDBOMB
DRILLING CONTRACTOR:	PAL Environmental Services	**WOL #:**	OEHS-20201409799-WOL-118
DRILLING METHOD:	Airknife and Vactron	**DATE STARTED:**	10/1/2021
BOREHOLE DATA		**DATE FINISHED:**	10/1/2021
Diameter (in):	6	**DRIILER:**	T. Portillo
Total Depth (ft.):	3	**LBA INSPECTOR:**	H. August
Depth to Refusal (ft):	N/A	**NORTHING (ft):**	249932.6154
Depth to Water (ft.):	N/A	**EASTING (ft):**	1038810.417
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.

Well Construction	Depth (feet)	Lithology	USCS	Sample Interval	Sample Recovery	PID Reading (ppm)	Description and Stratigraphy	Remarks
			FILL			<1	Dusky brown (5YR 2/2), medium GRAVEL, little Silt, and coarse to fine Sand, moist.	**Sandy Gravel (Fill)**
	2		FILL			<1	Grayish brown (5YR 3/2), medium GRAVEL, little Silt, some coarse to fine Sand, moist. Total Depth of Boring 3 feet.	**Collected grab sample SB03 from 2.5 to 3 ftbg and composite sample SB03 from 0 to 3 ftbg.**
	4							

Drilling Log

Louis Berger

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BORING NO.: SB04

LOCATION: Bronx, NY

CLIENT:	NYC Department of Design and Construction	**PROJECT NO.:**	31402661.092
PROJECT:	Phase II ESI for SANDBOMB New Bomb Squad Administration Building	**FMS ID#:**	SANDBOMB
DRILLING CONTRACTOR:	PAL Environmental Services	**WOL #:**	OEHS-20201409799-WOL-118
DRILLING METHOD:	Airknife and Vactron	**DATE STARTED:**	9/30/2021
BOREHOLE DATA	**WELL DATA**	**DATE FINISHED:**	9/30/2021
Diameter (in): 6	**Well Diameter (in):** N/A	**DRIILER:**	T. Portillo
Total Depth (ft.): 2.5	**Total Depth (ft.):** N/A	**LBA INSPECTOR:**	H. August
Depth to Refusal (ft): N/A	**Screen Length (ft):** N/A	**NORTHING (ft):**	249908.5686
Depth to Water (ft.): 2.5	**Depth to Water (ft.):** N/A	**EASTING (ft):**	1038858.576
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
▽	2		ASPHALT			<1	Grayish black (N2), ASPHALT, dry.	**Asphalt**
			FILL			<1	Grayish black (N2), coarse to fine GRAVEL, little Silt, some coarse to fine Sand, moist.	**Sandy Gravel (Fill). Collected grab sample SB04 from 2 to 2.5 ftbg and composite sample SB04 from 0.5 to 2.5 ftbg.**
							Total Depth of Boring 2.5 feet.	
	4							

Louis Berger

Drilling Log

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BORING NO.: SB05

LOCATION: Bronx, NY

CLIENT:	NYC Department of Design and Construction	**PROJECT NO.:**	31402661.092
PROJECT:	Phase II ESI for SANDBOMB New Bomb Squad Administration Building	**FMS ID#:**	SANDBOMB
DRILLING CONTRACTOR:	PAL Environmental Services	**WOL #:**	OEHS-20201409799-WOL-118
DRILLING METHOD:	Airknife and Vactron	**DATE STARTED:**	9/30/2021
BOREHOLE DATA		**DATE FINISHED:**	9/30/2021
Diameter (in):	6	**DRIILER:**	T. Portillo
Total Depth (ft.):	3	**LBA INSPECTOR:**	H. August
Depth to Refusal (ft):	N/A	**NORTHING (ft):**	249825.1628
Depth to Water (ft.):	N/A	**EASTING (ft):**	1038857.954
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.

Well Construction	Depth (feet)	Lithology	USCS	Sample Interval	Sample Recovery	PID Reading (ppm)	Description and Stratigraphy	Remarks
			FILL			<1	Dusky yellowish brown (10YR 2/2), coarse to fine GRAVEL, little Silt, some coarse to fine Sand, moist.	**Sandy Gravel (Fill)**
	2		FILL			<1	Moderate brown (5YR 4/4), coarse to fine GRAVEL, some Silt, some coarse to fine Sand, moist. Total Depth of Boring 3 feet.	**Silty Sandy Gravel (Fill). Collected grab sample SB05 from 2.5 to 3 ftbg and composite sample SB05 from 0 to 3 ftbg.**
	4							

Louis Berger

Drilling Log

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BORING NO.: SB06

LOCATION: Bronx, NY

CLIENT:	NYC Department of Design and Construction	**PROJECT NO.:**	31402661.092
PROJECT:	Phase II ESI for SANDBOMB New Bomb Squad Administration Building	**FMS ID#:**	SANDBOMB
DRILLING CONTRACTOR:	PAL Environmental Services	**WOL #:**	OEHS-20201409799-WOL-118
DRILLING METHOD:	Airknife and Vactron	**DATE STARTED:**	9/30/2021
BOREHOLE DATA		**DATE FINISHED:**	9/30/2021
Diameter (in):	6	**DRIILER:**	T. Portillo
Total Depth (ft.):	3	**LBA INSPECTOR:**	H. August
Depth to Refusal (ft):	N/A	**NORTHING (ft):**	249764.7414
Depth to Water (ft.):	N/A	**EASTING (ft):**	1038900.772
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.

Well Construction	Depth (feet)	Lithology	USCS	Sample Interval	Sample Recovery	PID Reading (ppm)	Description and Stratigraphy	Remarks
			FILL			<1	Dusky brown (5YR 2/2), coarse to fine GRAVEL, little Silt, little coarse to fine Sand, moist.	**Gravel (Fill)**
			FILL			<1	Black (N1), SILT, little coarse to fine Sand, little coarse to fine Gravel, moist.	**Silt (Fill)**
	2		FILL			<1	Black (N1), SILT, little coarse to fine Sand, some coarse to fine Gravel, moist.	**Gravelly Silt (Fill). Collected grab sample SB06 from 2.5 to 3 ftbg, and composite sample SB06 from 0 to 3 ftbg.**
							Total Depth of Boring 3 feet.	
	4							

Drilling Log

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BORING NO.: SB07

LOCATION: Bronx, NY

CLIENT:	NYC Department of Design and Construction	**PROJECT NO.:**	31402661.092
PROJECT:	Phase II ESI for SANDBOMB New Bomb Squad Administration Building	**FMS ID#:**	SANDBOMB
DRILLING CONTRACTOR:	PAL Environmental Services	**WOL #:**	OEHS-20201409799-WOL-118
DRILLING METHOD:	Airknife and Vactron	**DATE STARTED:**	9/30/2021
BOREHOLE DATA		**DATE FINISHED:**	9/30/2021
Diameter (in):	6	**DRIILER:**	T. Portillo
Total Depth (ft.):	1	**LBA INSPECTOR:**	H. August
Depth to Refusal (ft):	1.0	**NORTHING (ft):**	249644.1671
Depth to Water (ft.):	N/A	**EASTING (ft):**	1038897.179
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.

Well Construction	Depth (feet)	Lithology	USCS	Sample Interval	Sample Recovery	PID Reading (ppm)	Description and Stratigraphy	Remarks
	0		FILL			<1	Grayish brown (5YR 3/2), coarse to fine SAND, little Silt, little coarse to fine Gravel, Cobbles, moist.	**Sand with Cobbles (Fill). Collected grab sample SB07 from 0.5 to 1 ftbg and composite sample SB07 from 0 to 1 ftbg.**
	1						Total Depth of Boring 1 foot.	
							Refusal at 1 ftbg due to cobbles and rocks	
	2							
	4							

Louis Berger

Drilling Log

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BORING NO.: SB08

LOCATION: Bronx, NY

CLIENT:	NYC Department of Design and Construction	**PROJECT NO.:**	31402661.092
PROJECT:	Phase II ESI for SANDBOMB New Bomb Squad Administration Building	**FMS ID#:**	SANDBOMB
DRILLING CONTRACTOR:	PAL Environmental Services	**WOL #:**	OEHS-20201409799-WOL-118
DRILLING METHOD:	Airknife and Vactron	**DATE STARTED:**	9/30/2021
BOREHOLE DATA		**DATE FINISHED:**	9/30/2021
Diameter (in):	6	**DRIILER:**	T. Portillo
Total Depth (ft.):	2	**LBA INSPECTOR:**	H. August
Depth to Refusal (ft):	N/A	**NORTHING (ft):**	249754.1323
Depth to Water (ft.):	N/A	**EASTING (ft):**	1038848.736
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.

Well Construction	Depth (feet)	Lithology	USCS	Sample Interval	Sample Recovery	PID Reading (ppm)	Description and Stratigraphy	Remarks
	0		ASPHALT			<1	Grayish black (N2), ASPHALT, dry.	**Asphalt**
			FILL			<1	Grayish black (N2), coarse to fine GRAVEL, some coarse to fine Sand, moist.	**Sandy Gravel (Fill)**
			FILL			<1	Olive Black (5Y 2/1), coarse to fine SAND, little coarse to fine Gravel, moist.	**Sand (Fill). Collected grab sample SB08 from 1.5 to 2 ftbg and composite sample SB08 from 0.5 to 2 ftbg.**
	2						Total Depth of Boring 2 feet.	
	4							

Louis Berger

Drilling Log

Page 1 of 1

BORING NO.: SB09

LOCATION: Bronx, NY

CLIENT:	NYC Department of Design and Construction	**PROJECT NO.:**	31402661.092
PROJECT:	Phase II ESI for SANDBOMB New Bomb Squad Administration Building	**FMS ID#:**	SANDBOMB
DRILLING CONTRACTOR:	PAL Environmental Services	**WOL #:**	OEHS-20201409799-WOL-118
DRILLING METHOD:	Airknife and Vactron	**DATE STARTED:**	9/30/2021
BOREHOLE DATA		**DATE FINISHED:**	9/30/2021
Diameter (in):	6	**DRIILER:**	T. Portillo
Total Depth (ft.):	2	**LBA INSPECTOR:**	H. August
Depth to Refusal (ft):	N/A	**NORTHING (ft):**	249870.1687
Depth to Water (ft.):	N/A	**EASTING (ft):**	1038778.638
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.

Well Construction	Depth (feet)	Lithology	USCS	Sample Interval	Sample Recovery	PID Reading (ppm)	Description and Stratigraphy	Remarks
	0		ASPHALT			<1	Grayish black (N2), ASPHALT, dry.	**Asphalt**
			FILL			<1	Grayish black (N2), coarse to fine GRAVEL, trace Silt, and coarse to fine Sand, moist.	**Sandy Gravel (Fill). Collected grab sample SB09 from 1.5 to 2 ftbg and composite sample SB09 from 0.5 to 2 ftbg.**
	2						Total Depth of Boring 2 feet.	
	4							

APPENDIX B
LABORATORY ANALYTICAL RESULTS

Hampton-Clarke Report Of Analysis

Client: WSP USA, Inc. **HC Project #:** 1100131

Project: SAND BOMB

Sample ID: SB09 GRAB **Collection Date: 9/30/2021**
Lab#: AD26376-001 **Receipt Date: 10/1/2021**
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	0.00056	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**	**0.013**
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**	**0.099**
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	0.0038	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	0.0013	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**	**0.0091**
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

Sample ID: SB09 GRAB | **Collection Date: 9/30/2021**
Lab#: AD26376-001 | **Receipt Date: 10/1/2021**
Matrix: Soil

Xylenes (Total)	0.99	mg/kg	0.0011	ND

Sample ID: SB09 COMP | **Collection Date: 9/30/2021**
Lab#: AD26376-002 | **Receipt Date: 10/1/2021**
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	95.4	mg/kg	25	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
1,4-Dichlorobenzene-d4	23.99	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	5	mg/kg	0.35	ND
Acenaphthene	**5**	**mg/kg**	**0.35**	**0.69**
Acenaphthylene	5	mg/kg	0.35	ND
Anthracene	**5**	**mg/kg**	**0.35**	**1.7**
Benzo[a]anthracene	**5**	**mg/kg**	**0.35**	**2.9**
Benzo[a]pyrene	**5**	**mg/kg**	**0.35**	**1.9**
Benzo[b]fluoranthene	**5**	**mg/kg**	**0.35**	**2.8**
Benzo[g,h,i]perylene	**5**	**mg/kg**	**0.35**	**1.0**
Benzo[k]fluoranthene	**5**	**mg/kg**	**0.35**	**0.90**
Chrysene	**5**	**mg/kg**	**0.35**	**2.4**
Dibenzo[a,h]anthracene	5	mg/kg	0.35	ND
Fluoranthene	**5**	**mg/kg**	**0.35**	**6.6**
Fluorene	**5**	**mg/kg**	**0.35**	**1.1**
Indeno[1,2,3-cd]pyrene	**5**	**mg/kg**	**0.35**	**0.93**
Naphthalene	5	mg/kg	0.10	ND
Phenanthrene	**5**	**mg/kg**	**0.35**	**6.0**
Pyrene	**5**	**mg/kg**	**0.35**	**5.3**

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**	**0.050**
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**	**0.050**
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	85.80	100	37	141	86	
TCMX-Surrogate	73.46	100	37	141	73	
DCB-Surrogate	56.86	100	34	146	57	
DCB-Surrogate	57.71	100	34	146	58	

pH 9040C/9045D

Analyte	DF	Units	RL	Result
pH	**1**	**ph**		**9.5**

Sample ID: SB09 COMP | **Collection Date: 9/30/2021**
Lab#: AD26376-002 | **Receipt Date: 10/1/2021**
Matrix: Soil

Temperature	**1**	**c**		**23.5**

Reactive Cyanide

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

Reactive Sulfide

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

TCLP Metals 6010D

Analyte	DF	Units	RL	Result
Arsenic	1	mg/l	0.10	ND
Barium	**1**	**mg/l**	**0.25**	**0.54**
Cadmium	1	mg/l	0.050	ND
Chromium	1	mg/l	0.10	ND
Lead	**1**	**mg/l**	**0.050**	**0.39**
Nickel	1	mg/l	0.10	ND
Selenium	1	mg/l	0.10	ND
Silver	1	mg/l	0.050	ND

Total PetroleumHydrocarbons8015D(C8-C40)

Analyte	DF	Units	RL	Result
Total Petroleum Hydrocarbons	**1**	**mg/kg**	**96**	**650**

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
O-Terphenyl	11.12	20	30	146	56	
Chlorobenzene	6.00	20	20	117	30	

Sample ID: SB08 GRAB | **Collection Date: 9/30/2021**
Lab#: AD26376-003 | **Receipt Date: 10/1/2021**
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	0.965	mg/kg	0.0020	ND
1,1,2,2-Tetrachloroethane	0.965	mg/kg	0.0020	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.965	mg/kg	0.0020	ND
1,1,2-Trichloroethane	0.965	mg/kg	0.0020	ND
1,1-Dichloroethane	0.965	mg/kg	0.0020	ND
1,1-Dichloroethene	0.965	mg/kg	0.0020	ND
1,2,3-Trichlorobenzene	0.965	mg/kg	0.0020	ND
1,2,4-Trichlorobenzene	0.965	mg/kg	0.0020	ND
1,2-Dibromo-3-chloropropane	0.965	mg/kg	0.0020	ND
1,2-Dibromoethane	0.965	mg/kg	0.00050	ND
1,2-Dichlorobenzene	0.965	mg/kg	0.0020	ND
1,2-Dichloroethane	0.965	mg/kg	0.0020	ND
1,2-Dichloropropane	0.965	mg/kg	0.0020	ND
1,3-Dichlorobenzene	0.965	mg/kg	0.0020	ND
1,4-Dichlorobenzene	0.965	mg/kg	0.0020	ND
1,4-Dioxane	0.965	mg/kg	0.10	ND
2-Butanone	0.965	mg/kg	0.0020	ND
2-Hexanone	0.965	mg/kg	0.0020	ND
4-Methyl-2-pentanone	0.965	mg/kg	0.0020	ND
Acetone	**0.965**	**mg/kg**	**0.010**	**0.019**
Benzene	0.965	mg/kg	0.0010	ND
Bromochloromethane	0.965	mg/kg	0.0020	ND
Bromodichloromethane	0.965	mg/kg	0.0020	ND
Bromoform	0.965	mg/kg	0.0020	ND
Bromomethane	0.965	mg/kg	0.0020	ND
Carbon disulfide	0.965	mg/kg	0.0034	ND
Carbon tetrachloride	0.965	mg/kg	0.0020	ND
Chlorobenzene	0.965	mg/kg	0.0020	ND
Chloroethane	0.965	mg/kg	0.0020	ND
Chloroform	0.965	mg/kg	0.0020	ND
Chloromethane	0.965	mg/kg	0.0020	ND
cis-1,2-Dichloroethene	0.965	mg/kg	0.0020	ND
cis-1,3-Dichloropropene	0.965	mg/kg	0.0020	ND
Cyclohexane	0.965	mg/kg	0.0020	ND
Dibromochloromethane	0.965	mg/kg	0.0020	ND
Dichlorodifluoromethane	0.965	mg/kg	0.0020	ND
Ethylbenzene	0.965	mg/kg	0.0010	ND
Isopropylbenzene	0.965	mg/kg	0.0010	ND
m&p-Xylenes	0.965	mg/kg	0.0012	ND
Methyl Acetate	0.965	mg/kg	0.0020	ND
Methylcyclohexane	0.965	mg/kg	0.0020	ND
Methylene chloride	**0.965**	**mg/kg**	**0.0020**	**0.0042**
Methyl-t-butyl ether	0.965	mg/kg	0.0010	ND
o-Xylene	0.965	mg/kg	0.0010	ND
Styrene	0.965	mg/kg	0.0020	ND
t-Butyl Alcohol	0.965	mg/kg	0.010	ND
Tetrachloroethene	0.965	mg/kg	0.0020	ND
Toluene	0.965	mg/kg	0.0010	ND
trans-1,2-Dichloroethene	0.965	mg/kg	0.0020	ND
trans-1,3-Dichloropropene	0.965	mg/kg	0.0020	ND
Trichloroethene	0.965	mg/kg	0.0020	ND
Trichlorofluoromethane	0.965	mg/kg	0.0020	ND
Vinyl chloride	0.965	mg/kg	0.0020	ND
Xylenes (Total)	0.965	mg/kg	0.0010	ND

Sample ID: SB08 COMP | **Collection Date: 9/30/2021**
Lab#: AD26376-004 | **Receipt Date: 10/1/2021**
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	98.4	mg/kg	26	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
1,4-Dichlorobenzene-d4	22.38	30	50	150	75	

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	10	mg/kg	0.69	ND
Acenaphthene	10	mg/kg	0.69	ND
Acenaphthylene	10	mg/kg	0.69	ND
Anthracene	10	mg/kg	0.69	ND
Benzo[a]anthracene	**10**	**mg/kg**	**0.69**	**1.6**
Benzo[a]pyrene	**10**	**mg/kg**	**0.69**	**1.7**
Benzo[b]fluoranthene	**10**	**mg/kg**	**0.69**	**2.3**
Benzo[g,h,i]perylene	**10**	**mg/kg**	**0.69**	**0.86**
Benzo[k]fluoranthene	**10**	**mg/kg**	**0.69**	**0.71**
Chrysene	**10**	**mg/kg**	**0.69**	**1.4**
Dibenzo[a,h]anthracene	10	mg/kg	0.69	ND
Fluoranthene	**10**	**mg/kg**	**0.69**	**2.7**
Fluorene	10	mg/kg	0.69	ND
Indeno[1,2,3-cd]pyrene	**10**	**mg/kg**	**0.69**	**0.71**
Naphthalene	10	mg/kg	0.20	ND
Phenanthrene	**10**	**mg/kg**	**0.69**	**1.6**
Pyrene	**10**	**mg/kg**	**0.69**	**2.6**

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**	**0.026**	**0.066**
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**	**0.066**
Aroclor-1260	1	mg/kg	0.026	ND
Aroclor-1262	1	mg/kg	0.026	ND
Aroclor-1268	1	mg/kg	0.026	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
TCMX-Surrogate	82.01	100	37	141	82	
TCMX-Surrogate	73.31	100	37	141	73	
DCB-Surrogate	48.71	100	34	146	49	
DCB-Surrogate	48.85	100	34	146	49	

pH 9040C/9045D

Analyte	DF	Units	RL	Result
pH	**1**	**ph**		**8.8**

Sample ID: SB08 COMP | **Collection Date: 9/30/2021**
Lab#: AD26376-004 | **Receipt Date: 10/1/2021**
Matrix: Soil

Temperature	**1**	**c**		**23.4**

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**	**0.87**
Cadmium	1	mg/l	0.050	ND
Chromium	1	mg/l	0.10	ND
Lead	**1**	**mg/l**	**0.050**	**0.49**
Nickel	1	mg/l	0.10	ND
Selenium	1	mg/l	0.10	ND
Silver	1	mg/l	0.050	ND

Total PetroleumHydrocarbons8015D(C8-C40)

Analyte	DF	Units	RL	Result
Total Petroleum Hydrocarbons	**1**	**mg/kg**	**94**	**1600**

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
O-Terphenyl	8.94	20	30	146	45	
Chlorobenzene	4.74	20	20	117	24	

Sample ID: SB07 GRAB | **Collection Date: 9/30/2021**
Lab#: AD26376-005 | **Receipt Date: 10/1/2021**
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	0.998	mg/kg	0.0022	ND
1,1,2,2-Tetrachloroethane	0.998	mg/kg	0.0022	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.998	mg/kg	0.0022	ND
1,1,2-Trichloroethane	0.998	mg/kg	0.0022	ND
1,1-Dichloroethane	0.998	mg/kg	0.0022	ND
1,1-Dichloroethene	0.998	mg/kg	0.0022	ND
1,2,3-Trichlorobenzene	0.998	mg/kg	0.0022	ND
1,2,4-Trichlorobenzene	0.998	mg/kg	0.0022	ND
1,2-Dibromo-3-chloropropane	0.998	mg/kg	0.0022	ND
1,2-Dibromoethane	0.998	mg/kg	0.00054	ND
1,2-Dichlorobenzene	0.998	mg/kg	0.0022	ND
1,2-Dichloroethane	0.998	mg/kg	0.0022	ND
1,2-Dichloropropane	0.998	mg/kg	0.0022	ND
1,3-Dichlorobenzene	0.998	mg/kg	0.0022	ND
1,4-Dichlorobenzene	0.998	mg/kg	0.0022	ND
1,4-Dioxane	0.998	mg/kg	0.11	ND
2-Butanone	0.998	mg/kg	0.0022	ND
2-Hexanone	0.998	mg/kg	0.0022	ND
4-Methyl-2-pentanone	0.998	mg/kg	0.0022	ND
Acetone	0.998	mg/kg	0.011	ND
Benzene	0.998	mg/kg	0.0011	ND
Bromochloromethane	0.998	mg/kg	0.0022	ND
Bromodichloromethane	0.998	mg/kg	0.0022	ND
Bromoform	0.998	mg/kg	0.0022	ND
Bromomethane	0.998	mg/kg	0.0022	ND
Carbon disulfide	0.998	mg/kg	0.0037	ND
Carbon tetrachloride	0.998	mg/kg	0.0022	ND
Chlorobenzene	0.998	mg/kg	0.0022	ND
Chloroethane	0.998	mg/kg	0.0022	ND
Chloroform	0.998	mg/kg	0.0022	ND
Chloromethane	0.998	mg/kg	0.0022	ND
cis-1,2-Dichloroethene	0.998	mg/kg	0.0022	ND
cis-1,3-Dichloropropene	0.998	mg/kg	0.0022	ND
Cyclohexane	0.998	mg/kg	0.0022	ND
Dibromochloromethane	0.998	mg/kg	0.0022	ND
Dichlorodifluoromethane	0.998	mg/kg	0.0022	ND
Ethylbenzene	0.998	mg/kg	0.0011	ND
Isopropylbenzene	0.998	mg/kg	0.0011	ND
m&p-Xylenes	0.998	mg/kg	0.0013	ND
Methyl Acetate	0.998	mg/kg	0.0022	ND
Methylcyclohexane	0.998	mg/kg	0.0022	ND
Methylene chloride	**0.998**	**mg/kg**	**0.0022**	**0.0092**
Methyl-t-butyl ether	0.998	mg/kg	0.0011	ND
o-Xylene	0.998	mg/kg	0.0011	ND
Styrene	0.998	mg/kg	0.0022	ND
t-Butyl Alcohol	0.998	mg/kg	0.011	ND
Tetrachloroethene	0.998	mg/kg	0.0022	ND
Toluene	0.998	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	0.998	mg/kg	0.0022	ND
trans-1,3-Dichloropropene	0.998	mg/kg	0.0022	ND
Trichloroethene	0.998	mg/kg	0.0022	ND
Trichlorofluoromethane	0.998	mg/kg	0.0022	ND
Vinyl chloride	0.998	mg/kg	0.0022	ND
Xylenes (Total)	0.998	mg/kg	0.0011	ND

Sample ID: SB07 COMP | **Collection Date: 9/30/2021**
Lab#: AD26376-006 | **Receipt Date: 10/1/2021**
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	98.6	mg/kg	27	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
1,4-Dichlorobenzene-d4	22.16	30	50	150	74	

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	0.36	ND
Acenaphthene	5	mg/kg	0.36	ND
Acenaphthylene	5	mg/kg	0.36	ND
Anthracene	**5**	**mg/kg**	**0.36**	**0.51**
Benzo[a]anthracene	**5**	**mg/kg**	**0.36**	**2.5**
Benzo[a]pyrene	**5**	**mg/kg**	**0.36**	**2.7**
Benzo[b]fluoranthene	**5**	**mg/kg**	**0.36**	**3.5**
Benzo[g,h,i]perylene	**5**	**mg/kg**	**0.36**	**1.7**
Benzo[k]fluoranthene	**5**	**mg/kg**	**0.36**	**1.2**
Chrysene	**5**	**mg/kg**	**0.36**	**2.2**
Dibenzo[a,h]anthracene	**5**	**mg/kg**	**0.36**	**0.46**
Fluoranthene	**5**	**mg/kg**	**0.36**	**4.0**
Fluorene	5	mg/kg	0.36	ND
Indeno[1,2,3-cd]pyrene	**5**	**mg/kg**	**0.36**	**1.5**
Naphthalene	5	mg/kg	0.10	ND
Phenanthrene	**5**	**mg/kg**	**0.36**	**1.7**
Pyrene	**5**	**mg/kg**	**0.36**	**3.8**

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	0.027	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

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
TCMX-Surrogate	84.88	100	37	141	85	
TCMX-Surrogate	82.41	100	37	141	82	
DCB-Surrogate	57.04	100	34	146	57	
DCB-Surrogate	58.82	100	34	146	59	

pH 9040C/9045D

Analyte	DF	Units	RL	Result
pH	**1**	**ph**		**8.5**

Sample ID: SB07 COMP | **Collection Date: 9/30/2021**
Lab#: AD26376-006 | **Receipt Date: 10/1/2021**
Matrix: Soil

Temperature	**1**	**c**		**23.5**

Reactive Cyanide

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

Reactive Sulfide

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

TCLP Metals 6010D

Analyte	DF	Units	RL	Result
Arsenic	2	mg/l	0.20	ND
Barium	**1**	**mg/l**	**0.25**	**0.51**
Cadmium	1	mg/l	0.050	ND
Chromium	2	mg/l	0.20	ND
Lead	**2**	**mg/l**	**0.10**	**0.37**
Nickel	1	mg/l	0.10	ND
Selenium	2	mg/l	0.20	ND
Silver	2	mg/l	0.10	ND

Total PetroleumHydrocarbons8015D(C8-C40)

Analyte	DF	Units	RL	Result
Total Petroleum Hydrocarbons	**1**	**mg/kg**	**65**	**580**

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
O-Terphenyl	18.09	20	30	146	90	
Chlorobenzene	10.97	20	20	117	55	

Sample ID: SB06 GRAB | **Collection Date: 9/30/2021**
Lab#: AD26376-007 | **Receipt Date: 10/1/2021**
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	0.00055	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	0.0038	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**	**0.0013**	**0.0017**
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**	**0.0093**
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**	**0.0017**

Sample ID: SB06 COMP | **Collection Date: 9/30/2021**
Lab#: AD26376-008 | **Receipt Date: 10/1/2021**
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	99.2	mg/kg	28	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
1,4-Dichlorobenzene-d4	23.42	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	5	mg/kg	0.37	ND
Acenaphthene	5	mg/kg	0.37	ND
Acenaphthylene	5	mg/kg	0.37	ND
Anthracene	**5**	**mg/kg**	**0.37**	**0.73**
Benzo[a]anthracene	**5**	**mg/kg**	**0.37**	**2.1**
Benzo[a]pyrene	**5**	**mg/kg**	**0.37**	**1.8**
Benzo[b]fluoranthene	**5**	**mg/kg**	**0.37**	**2.6**
Benzo[g,h,i]perylene	**5**	**mg/kg**	**0.37**	**1.0**
Benzo[k]fluoranthene	**5**	**mg/kg**	**0.37**	**0.76**
Chrysene	**5**	**mg/kg**	**0.37**	**1.7**
Dibenzo[a,h]anthracene	5	mg/kg	0.37	ND
Fluoranthene	**5**	**mg/kg**	**0.37**	**3.7**
Fluorene	5	mg/kg	0.37	ND
Indeno[1,2,3-cd]pyrene	**5**	**mg/kg**	**0.37**	**0.88**
Naphthalene	5	mg/kg	0.11	ND
Phenanthrene	**5**	**mg/kg**	**0.37**	**2.6**
Pyrene	**5**	**mg/kg**	**0.37**	**3.4**

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**	**0.11**
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**	**0.075**
Aroclor-1260	1	mg/kg	0.028	ND
Aroclor-1262	**1**	**mg/kg**	**0.028**	**0.035**
Aroclor-1268	1	mg/kg	0.028	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
TCMX-Surrogate	87.20	100	37	141	87	
TCMX-Surrogate	79.94	100	37	141	80	
DCB-Surrogate	64.82	100	34	146	65	
DCB-Surrogate	66.13	100	34	146	66	

pH 9040C/9045D

Analyte	DF	Units	RL	Result
pH	**1**	**ph**		**8.6**

Sample ID: SB06 COMP | **Collection Date: 9/30/2021**
Lab#: AD26376-008 | **Receipt Date: 10/1/2021**
Matrix: Soil

Temperature	**1**	**c**		**23.4**

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**	**0.13**
Barium	**1**	**mg/l**	**0.25**	**0.57**
Cadmium	1	mg/l	0.050	ND
Chromium	1	mg/l	0.10	ND
Lead	**1**	**mg/l**	**0.050**	**6.9**
Nickel	1	mg/l	0.10	ND
Selenium	1	mg/l	0.10	ND
Silver	1	mg/l	0.050	ND

Total PetroleumHydrocarbons8015D(C8-C40)

Analyte	DF	Units	RL	Result
Total Petroleum Hydrocarbons	**1**	**mg/kg**	**67**	**480**

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
O-Terphenyl	15.40	20	30	146	77	
Chlorobenzene	6.25	20	20	117	31	

Sample ID: SB05 GRAB
Lab#: AD26376-009
Matrix: Soil

Collection Date: 9/30/2021
Receipt Date: 10/1/2021

%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	0.998	mg/kg	0.0022	ND
1,1,2,2-Tetrachloroethane	0.998	mg/kg	0.0022	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.998	mg/kg	0.0022	ND
1,1,2-Trichloroethane	0.998	mg/kg	0.0022	ND
1,1-Dichloroethane	0.998	mg/kg	0.0022	ND
1,1-Dichloroethene	0.998	mg/kg	0.0022	ND
1,2,3-Trichlorobenzene	0.998	mg/kg	0.0022	ND
1,2,4-Trichlorobenzene	0.998	mg/kg	0.0022	ND
1,2-Dibromo-3-chloropropane	0.998	mg/kg	0.0022	ND
1,2-Dibromoethane	0.998	mg/kg	0.00055	ND
1,2-Dichlorobenzene	0.998	mg/kg	0.0022	ND
1,2-Dichloroethane	0.998	mg/kg	0.0022	ND
1,2-Dichloropropane	0.998	mg/kg	0.0022	ND
1,3-Dichlorobenzene	0.998	mg/kg	0.0022	ND
1,4-Dichlorobenzene	0.998	mg/kg	0.0022	ND
1,4-Dioxane	0.998	mg/kg	0.11	ND
2-Butanone	0.998	mg/kg	0.0022	ND
2-Hexanone	0.998	mg/kg	0.0022	ND
4-Methyl-2-pentanone	0.998	mg/kg	0.0022	ND
Acetone	0.998	mg/kg	0.011	ND
Benzene	0.998	mg/kg	0.0011	ND
Bromochloromethane	0.998	mg/kg	0.0022	ND
Bromodichloromethane	0.998	mg/kg	0.0022	ND
Bromoform	0.998	mg/kg	0.0022	ND
Bromomethane	0.998	mg/kg	0.0022	ND
Carbon disulfide	0.998	mg/kg	0.0038	ND
Carbon tetrachloride	0.998	mg/kg	0.0022	ND
Chlorobenzene	0.998	mg/kg	0.0022	ND
Chloroethane	0.998	mg/kg	0.0022	ND
Chloroform	0.998	mg/kg	0.0022	ND
Chloromethane	0.998	mg/kg	0.0022	ND
cis-1,2-Dichloroethene	0.998	mg/kg	0.0022	ND
cis-1,3-Dichloropropene	0.998	mg/kg	0.0022	ND
Cyclohexane	0.998	mg/kg	0.0022	ND
Dibromochloromethane	0.998	mg/kg	0.0022	ND
Dichlorodifluoromethane	0.998	mg/kg	0.0022	ND
Ethylbenzene	0.998	mg/kg	0.0011	ND
Isopropylbenzene	0.998	mg/kg	0.0011	ND
m&p-Xylenes	0.998	mg/kg	0.0013	ND
Methyl Acetate	0.998	mg/kg	0.0022	ND
Methylcyclohexane	0.998	mg/kg	0.0022	ND
Methylene chloride	0.998	mg/kg	0.0022	ND
Methyl-t-butyl ether	0.998	mg/kg	0.0011	ND
o-Xylene	0.998	mg/kg	0.0011	ND
Styrene	0.998	mg/kg	0.0022	ND
t-Butyl Alcohol	0.998	mg/kg	0.011	ND
Tetrachloroethene	0.998	mg/kg	0.0022	ND
Toluene	0.998	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	0.998	mg/kg	0.0022	ND
trans-1,3-Dichloropropene	0.998	mg/kg	0.0022	ND
Trichloroethene	0.998	mg/kg	0.0022	ND
Trichlorofluoromethane	0.998	mg/kg	0.0022	ND
Vinyl chloride	0.998	mg/kg	0.0022	ND
Xylenes (Total)	0.998	mg/kg	0.0011	ND

Sample ID: SB05 COMP | **Collection Date: 9/30/2021**
Lab#: AD26376-010 | **Receipt Date: 10/1/2021**
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	99.4	mg/kg	26	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
1,4-Dichlorobenzene-d4	20.08	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	5	mg/kg	0.35	ND
Acenaphthene	5	mg/kg	0.35	ND
Acenaphthylene	5	mg/kg	0.35	ND
Anthracene	5	mg/kg	0.35	ND
Benzo[a]anthracene	5	mg/kg	0.35	ND
Benzo[a]pyrene	5	mg/kg	0.35	ND
Benzo[b]fluoranthene	**5**	**mg/kg**	**0.35**	**0.44**
Benzo[g,h,i]perylene	5	mg/kg	0.35	ND
Benzo[k]fluoranthene	5	mg/kg	0.35	ND
Chrysene	5	mg/kg	0.35	ND
Dibenzo[a,h]anthracene	5	mg/kg	0.35	ND
Fluoranthene	**5**	**mg/kg**	**0.35**	**0.56**
Fluorene	5	mg/kg	0.35	ND
Indeno[1,2,3-cd]pyrene	5	mg/kg	0.35	ND
Naphthalene	5	mg/kg	0.10	ND
Phenanthrene	5	mg/kg	0.35	ND
Pyrene	**5**	**mg/kg**	**0.35**	**0.52**

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

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
TCMX-Surrogate	87.36	100	37	141	87	
TCMX-Surrogate	82.49	100	37	141	82	
DCB-Surrogate	60.55	100	34	146	61	
DCB-Surrogate	62.09	100	34	146	62	

pH 9040C/9045D

Analyte	DF	Units	RL	Result
pH	**1**	**ph**		**8.6**

Sample ID: SB05 COMP | **Collection Date: 9/30/2021**
Lab#: AD26376-010 | **Receipt Date: 10/1/2021**
Matrix: Soil

Temperature	**1**	**c**		**23.5**

Reactive Cyanide

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

Reactive Sulfide

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

TCLP Metals 6010D

Analyte	DF	Units	RL	Result
Arsenic	1	mg/l	0.10	ND
Barium	**1**	**mg/l**	**0.25**	**0.60**
Cadmium	1	mg/l	0.050	ND
Chromium	1	mg/l	0.10	ND
Lead	**1**	**mg/l**	**0.050**	**2.8**
Nickel	1	mg/l	0.10	ND
Selenium	1	mg/l	0.10	ND
Silver	1	mg/l	0.050	ND

Total PetroleumHydrocarbons8015D(C8-C40)

Analyte	DF	Units	RL	Result
Total Petroleum Hydrocarbons	**1**	**mg/kg**	**64**	**360**

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
O-Terphenyl	13.02	20	30	146	65	
Chlorobenzene	10.69	20	20	117	53	

Sample ID: SB04 GRAB | **Collection Date: 9/30/2021**
Lab#: AD26376-011 | **Receipt Date: 10/1/2021**
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	0.967	mg/kg	0.0020	ND
1,1,2,2-Tetrachloroethane	0.967	mg/kg	0.0020	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.967	mg/kg	0.0020	ND
1,1,2-Trichloroethane	0.967	mg/kg	0.0020	ND
1,1-Dichloroethane	0.967	mg/kg	0.0020	ND
1,1-Dichloroethene	0.967	mg/kg	0.0020	ND
1,2,3-Trichlorobenzene	0.967	mg/kg	0.0020	ND
1,2,4-Trichlorobenzene	0.967	mg/kg	0.0020	ND
1,2-Dibromo-3-chloropropane	0.967	mg/kg	0.0020	ND
1,2-Dibromoethane	0.967	mg/kg	0.00051	ND
1,2-Dichlorobenzene	0.967	mg/kg	0.0020	ND
1,2-Dichloroethane	0.967	mg/kg	0.0020	ND
1,2-Dichloropropane	0.967	mg/kg	0.0020	ND
1,3-Dichlorobenzene	0.967	mg/kg	0.0020	ND
1,4-Dichlorobenzene	0.967	mg/kg	0.0020	ND
1,4-Dioxane	0.967	mg/kg	0.10	ND
2-Butanone	0.967	mg/kg	0.0020	ND
2-Hexanone	0.967	mg/kg	0.0020	ND
4-Methyl-2-pentanone	0.967	mg/kg	0.0020	ND
Acetone	**0.967**	**mg/kg**	**0.010**	**0.037**
Benzene	0.967	mg/kg	0.0010	ND
Bromochloromethane	0.967	mg/kg	0.0020	ND
Bromodichloromethane	0.967	mg/kg	0.0020	ND
Bromoform	0.967	mg/kg	0.0020	ND
Bromomethane	0.967	mg/kg	0.0020	ND
Carbon disulfide	0.967	mg/kg	0.0035	ND
Carbon tetrachloride	0.967	mg/kg	0.0020	ND
Chlorobenzene	0.967	mg/kg	0.0020	ND
Chloroethane	0.967	mg/kg	0.0020	ND
Chloroform	0.967	mg/kg	0.0020	ND
Chloromethane	0.967	mg/kg	0.0020	ND
cis-1,2-Dichloroethene	0.967	mg/kg	0.0020	ND
cis-1,3-Dichloropropene	0.967	mg/kg	0.0020	ND
Cyclohexane	0.967	mg/kg	0.0020	ND
Dibromochloromethane	0.967	mg/kg	0.0020	ND
Dichlorodifluoromethane	0.967	mg/kg	0.0020	ND
Ethylbenzene	0.967	mg/kg	0.0010	ND
Isopropylbenzene	0.967	mg/kg	0.0010	ND
m&p-Xylenes	0.967	mg/kg	0.0012	ND
Methyl Acetate	0.967	mg/kg	0.0020	ND
Methylcyclohexane	0.967	mg/kg	0.0020	ND
Methylene chloride	**0.967**	**mg/kg**	**0.0020**	**0.0062**
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	0.0020	ND
t-Butyl Alcohol	0.967	mg/kg	0.010	ND
Tetrachloroethene	0.967	mg/kg	0.0020	ND
Toluene	0.967	mg/kg	0.0010	ND
trans-1,2-Dichloroethene	0.967	mg/kg	0.0020	ND
trans-1,3-Dichloropropene	0.967	mg/kg	0.0020	ND
Trichloroethene	0.967	mg/kg	0.0020	ND
Trichlorofluoromethane	0.967	mg/kg	0.0020	ND
Vinyl chloride	0.967	mg/kg	0.0020	ND
Xylenes (Total)	0.967	mg/kg	0.0010	ND

Sample ID: SB04 COMP | **Collection Date: 9/30/2021**
Lab#: AD26376-012 | **Receipt Date: 10/1/2021**
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	97.8	mg/kg	26	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
1,4-Dichlorobenzene-d4	22.36	30	50	150	75	

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	0.35	ND
Acenaphthene	**5**	**mg/kg**	**0.35**	**0.54**
Acenaphthylene	**5**	**mg/kg**	**0.35**	**0.90**
Anthracene	**5**	**mg/kg**	**0.35**	**1.3**
Benzo[a]anthracene	**5**	**mg/kg**	**0.35**	**3.0**
Benzo[a]pyrene	**5**	**mg/kg**	**0.35**	**3.0**
Benzo[b]fluoranthene	**5**	**mg/kg**	**0.35**	**4.2**
Benzo[g,h,i]perylene	**5**	**mg/kg**	**0.35**	**1.2**
Benzo[k]fluoranthene	**5**	**mg/kg**	**0.35**	**1.5**
Chrysene	**5**	**mg/kg**	**0.35**	**2.5**
Dibenzo[a,h]anthracene	**5**	**mg/kg**	**0.35**	**0.36**
Fluoranthene	**5**	**mg/kg**	**0.35**	**6.0**
Fluorene	**5**	**mg/kg**	**0.35**	**0.87**
Indeno[1,2,3-cd]pyrene	**5**	**mg/kg**	**0.35**	**1.2**
Naphthalene	**5**	**mg/kg**	**0.10**	**0.11**
Phenanthrene	**5**	**mg/kg**	**0.35**	**2.4**
Pyrene	**5**	**mg/kg**	**0.35**	**5.2**

Paint Filter Test 9095B

Analyte	DF	Units	RL	Result
Paint Filter Test	**1**			**NEG**

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.026**	**0.055**
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**	**0.055**
Aroclor-1260	1	mg/kg	0.026	ND
Aroclor-1262	1	mg/kg	0.026	ND
Aroclor-1268	1	mg/kg	0.026	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
TCMX-Surrogate	75.80	100	37	141	76	
TCMX-Surrogate	59.49	100	37	141	59	
DCB-Surrogate	46.36	100	34	146	46	
DCB-Surrogate	47.69	100	34	146	48	

pH 9040C/9045D

Analyte	DF	Units	RL	Result
pH	**1**	**ph**		**8.9**

Sample ID: SB04 COMP | **Collection Date: 9/30/2021**
Lab#: AD26376-012 | **Receipt Date: 10/1/2021**
Matrix: Soil

Temperature	**1**	**c**		**23.3**

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	2	mg/l	0.20	ND
Barium	**1**	**mg/l**	**0.25**	**0.55**
Cadmium	1	mg/l	0.050	ND
Chromium	2	mg/l	0.20	ND
Lead	**2**	**mg/l**	**0.10**	**0.77**
Nickel	1	mg/l	0.10	ND
Selenium	2	mg/l	0.20	ND
Silver	2	mg/l	0.10	ND

Total PetroleumHydrocarbons8015D(C8-C40)

Analyte	DF	Units	RL	Result
Total Petroleum Hydrocarbons	**1**	**mg/kg**	**63**	**2000**

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
O-Terphenyl	18.87	20	30	146	94	
Chlorobenzene	10.81	20	20	117	54	

Sample ID: SB02 GRAB | **Collection Date: 9/30/2021**
Lab#: AD26376-013 | **Receipt Date: 10/1/2021**
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	0.971	mg/kg	0.0022	ND
1,1,2,2-Tetrachloroethane	0.971	mg/kg	0.0022	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.971	mg/kg	0.0022	ND
1,1,2-Trichloroethane	0.971	mg/kg	0.0022	ND
1,1-Dichloroethane	0.971	mg/kg	0.0022	ND
1,1-Dichloroethene	0.971	mg/kg	0.0022	ND
1,2,3-Trichlorobenzene	0.971	mg/kg	0.0022	ND
1,2,4-Trichlorobenzene	0.971	mg/kg	0.0022	ND
1,2-Dibromo-3-chloropropane	0.971	mg/kg	0.0022	ND
1,2-Dibromoethane	0.971	mg/kg	0.00056	ND
1,2-Dichlorobenzene	0.971	mg/kg	0.0022	ND
1,2-Dichloroethane	0.971	mg/kg	0.0022	ND
1,2-Dichloropropane	0.971	mg/kg	0.0022	ND
1,3-Dichlorobenzene	0.971	mg/kg	0.0022	ND
1,4-Dichlorobenzene	0.971	mg/kg	0.0022	ND
1,4-Dioxane	0.971	mg/kg	0.11	ND
2-Butanone	0.971	mg/kg	0.0022	ND
2-Hexanone	0.971	mg/kg	0.0022	ND
4-Methyl-2-pentanone	0.971	mg/kg	0.0022	ND
Acetone	0.971	mg/kg	0.011	ND
Benzene	0.971	mg/kg	0.0011	ND
Bromochloromethane	0.971	mg/kg	0.0022	ND
Bromodichloromethane	0.971	mg/kg	0.0022	ND
Bromoform	0.971	mg/kg	0.0022	ND
Bromomethane	0.971	mg/kg	0.0022	ND
Carbon disulfide	0.971	mg/kg	0.0038	ND
Carbon tetrachloride	0.971	mg/kg	0.0022	ND
Chlorobenzene	0.971	mg/kg	0.0022	ND
Chloroethane	0.971	mg/kg	0.0022	ND
Chloroform	0.971	mg/kg	0.0022	ND
Chloromethane	0.971	mg/kg	0.0022	ND
cis-1,2-Dichloroethene	0.971	mg/kg	0.0022	ND
cis-1,3-Dichloropropene	0.971	mg/kg	0.0022	ND
Cyclohexane	0.971	mg/kg	0.0022	ND
Dibromochloromethane	0.971	mg/kg	0.0022	ND
Dichlorodifluoromethane	0.971	mg/kg	0.0022	ND
Ethylbenzene	0.971	mg/kg	0.0011	ND
Isopropylbenzene	0.971	mg/kg	0.0011	ND
m&p-Xylenes	0.971	mg/kg	0.0013	ND
Methyl Acetate	0.971	mg/kg	0.0022	ND
Methylcyclohexane	0.971	mg/kg	0.0022	ND
Methylene chloride	**0.971**	**mg/kg**	**0.0022**	**0.0043**
Methyl-t-butyl ether	0.971	mg/kg	0.0011	ND
o-Xylene	0.971	mg/kg	0.0011	ND
Styrene	0.971	mg/kg	0.0022	ND
t-Butyl Alcohol	0.971	mg/kg	0.011	ND
Tetrachloroethene	0.971	mg/kg	0.0022	ND
Toluene	0.971	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	0.971	mg/kg	0.0022	ND
trans-1,3-Dichloropropene	0.971	mg/kg	0.0022	ND
Trichloroethene	0.971	mg/kg	0.0022	ND
Trichlorofluoromethane	0.971	mg/kg	0.0022	ND
Vinyl chloride	0.971	mg/kg	0.0022	ND
Xylenes (Total)	0.971	mg/kg	0.0011	ND

Sample ID: SB02 COMP | **Collection Date: 9/30/2021**
Lab#: AD26376-014 | **Receipt Date: 10/1/2021**
Matrix: Soil

%Solids SM2540G

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

Gasoline range organics 8015D(C6-C10)

Analyte	DF	Units	RL	Result
Gasoline Range Organics	**99.2**	**mg/kg**	**29**	**30**

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
1,4-Dichlorobenzene-d4	21.86	30	50	150	73	

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	0.38	ND
Acenaphthene	5	mg/kg	0.38	ND
Acenaphthylene	**5**	**mg/kg**	**0.38**	**0.39**
Anthracene	**5**	**mg/kg**	**0.38**	**1.1**
Benzo[a]anthracene	**5**	**mg/kg**	**0.38**	**4.7**
Benzo[a]pyrene	**5**	**mg/kg**	**0.38**	**4.5**
Benzo[b]fluoranthene	**5**	**mg/kg**	**0.38**	**6.4**
Benzo[g,h,i]perylene	**5**	**mg/kg**	**0.38**	**3.0**
Benzo[k]fluoranthene	**5**	**mg/kg**	**0.38**	**1.8**
Chrysene	**5**	**mg/kg**	**0.38**	**3.7**
Dibenzo[a,h]anthracene	**5**	**mg/kg**	**0.38**	**0.79**
Fluoranthene	**5**	**mg/kg**	**0.38**	**8.6**
Fluorene	5	mg/kg	0.38	ND
Indeno[1,2,3-cd]pyrene	**5**	**mg/kg**	**0.38**	**2.5**
Naphthalene	5	mg/kg	0.11	ND
Phenanthrene	**5**	**mg/kg**	**0.38**	**4.0**
Pyrene	**5**	**mg/kg**	**0.38**	**7.5**

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

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
TCMX-Surrogate	80.18	100	37	141	80	
TCMX-Surrogate	70.27	100	37	141	70	
DCB-Surrogate	46.90	100	34	146	47	
DCB-Surrogate	46.89	100	34	146	47	

pH 9040C/9045D

Analyte	DF	Units	RL	Result
pH	**1**	**ph**		**8.2**

Sample ID: SB02 COMP | **Collection Date: 9/30/2021**
Lab#: AD26376-014 | **Receipt Date: 10/1/2021**
Matrix: Soil

Temperature	**1**	**c**		**23.4**

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**	**0.48**
Cadmium	1	mg/l	0.050	ND
Chromium	1	mg/l	0.10	ND
Lead	**1**	**mg/l**	**0.050**	**0.30**
Nickel	1	mg/l	0.10	ND
Selenium	1	mg/l	0.10	ND
Silver	1	mg/l	0.050	ND

Total PetroleumHydrocarbons8015D(C8-C40)

Analyte	DF	Units	RL	Result
Total Petroleum Hydrocarbons	**1**	**mg/kg**	**69**	**590**

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
O-Terphenyl	17.61	20	30	146	88	
Chlorobenzene	10.75	20	20	117	54	

Sample ID: SB03 GRAB | **Collection Date: 10/1/2021**
Lab#: AD26376-015 | **Receipt Date: 10/1/2021**
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	0.988	mg/kg	0.0021	ND
1,1,2,2-Tetrachloroethane	0.988	mg/kg	0.0021	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.988	mg/kg	0.0021	ND
1,1,2-Trichloroethane	0.988	mg/kg	0.0021	ND
1,1-Dichloroethane	0.988	mg/kg	0.0021	ND
1,1-Dichloroethene	0.988	mg/kg	0.0021	ND
1,2,3-Trichlorobenzene	0.988	mg/kg	0.0021	ND
1,2,4-Trichlorobenzene	0.988	mg/kg	0.0021	ND
1,2-Dibromo-3-chloropropane	0.988	mg/kg	0.0021	ND
1,2-Dibromoethane	0.988	mg/kg	0.00054	ND
1,2-Dichlorobenzene	0.988	mg/kg	0.0021	ND
1,2-Dichloroethane	0.988	mg/kg	0.0021	ND
1,2-Dichloropropane	0.988	mg/kg	0.0021	ND
1,3-Dichlorobenzene	0.988	mg/kg	0.0021	ND
1,4-Dichlorobenzene	0.988	mg/kg	0.0021	ND
1,4-Dioxane	0.988	mg/kg	0.11	ND
2-Butanone	0.988	mg/kg	0.0021	ND
2-Hexanone	0.988	mg/kg	0.0021	ND
4-Methyl-2-pentanone	0.988	mg/kg	0.0021	ND
Acetone	**0.988**	**mg/kg**	**0.011**	**0.046**
Benzene	0.988	mg/kg	0.0011	ND
Bromochloromethane	0.988	mg/kg	0.0021	ND
Bromodichloromethane	0.988	mg/kg	0.0021	ND
Bromoform	0.988	mg/kg	0.0021	ND
Bromomethane	0.988	mg/kg	0.0021	ND
Carbon disulfide	0.988	mg/kg	0.0037	ND
Carbon tetrachloride	0.988	mg/kg	0.0021	ND
Chlorobenzene	0.988	mg/kg	0.0021	ND
Chloroethane	0.988	mg/kg	0.0021	ND
Chloroform	0.988	mg/kg	0.0021	ND
Chloromethane	0.988	mg/kg	0.0021	ND
cis-1,2-Dichloroethene	0.988	mg/kg	0.0021	ND
cis-1,3-Dichloropropene	0.988	mg/kg	0.0021	ND
Cyclohexane	0.988	mg/kg	0.0021	ND
Dibromochloromethane	0.988	mg/kg	0.0021	ND
Dichlorodifluoromethane	0.988	mg/kg	0.0021	ND
Ethylbenzene	**0.988**	**mg/kg**	**0.0011**	**0.0016**
Isopropylbenzene	0.988	mg/kg	0.0011	ND
m&p-Xylenes	**0.988**	**mg/kg**	**0.0013**	**0.0061**
Methyl Acetate	0.988	mg/kg	0.0021	ND
Methylcyclohexane	0.988	mg/kg	0.0021	ND
Methylene chloride	**0.988**	**mg/kg**	**0.0021**	**0.0097**
Methyl-t-butyl ether	0.988	mg/kg	0.0011	ND
o-Xylene	**0.988**	**mg/kg**	**0.0011**	**0.0024**
Styrene	0.988	mg/kg	0.0021	ND
t-Butyl Alcohol	0.988	mg/kg	0.011	ND
Tetrachloroethene	0.988	mg/kg	0.0021	ND
Toluene	0.988	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	0.988	mg/kg	0.0021	ND
trans-1,3-Dichloropropene	0.988	mg/kg	0.0021	ND
Trichloroethene	0.988	mg/kg	0.0021	ND
Trichlorofluoromethane	0.988	mg/kg	0.0021	ND
Vinyl chloride	0.988	mg/kg	0.0021	ND
Xylenes (Total)	**0.988**	**mg/kg**	**0.0011**	**0.0085**

Sample ID: SB03 COMP | **Collection Date: 10/1/2021**
Lab#: AD26376-016 | **Receipt Date: 10/1/2021**
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	99.4	mg/kg	28	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
1,4-Dichlorobenzene-d4	22.09	30	50	150	74	

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	0.19	ND
Acenaphthene	**5**	**mg/kg**	**0.19**	**0.30**
Acenaphthylene	**5**	**mg/kg**	**0.19**	**0.26**
Anthracene	**5**	**mg/kg**	**0.19**	**0.95**
Benzo[a]anthracene	**5**	**mg/kg**	**0.19**	**3.2**
Benzo[a]pyrene	**5**	**mg/kg**	**0.19**	**3.0**
Benzo[b]fluoranthene	**5**	**mg/kg**	**0.19**	**4.5**
Benzo[g,h,i]perylene	**5**	**mg/kg**	**0.19**	**1.2**
Benzo[k]fluoranthene	**5**	**mg/kg**	**0.19**	**1.4**
Chrysene	**5**	**mg/kg**	**0.19**	**2.7**
Dibenzo[a,h]anthracene	**5**	**mg/kg**	**0.19**	**0.37**
Fluoranthene	**5**	**mg/kg**	**0.19**	**6.2**
Fluorene	**5**	**mg/kg**	**0.19**	**0.33**
Indeno[1,2,3-cd]pyrene	**5**	**mg/kg**	**0.19**	**1.2**
Naphthalene	**5**	**mg/kg**	**0.054**	**0.078**
Phenanthrene	**5**	**mg/kg**	**0.19**	**3.4**
Pyrene	**5**	**mg/kg**	**0.19**	**5.6**

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	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

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
TCMX-Surrogate	84.07	100	37	141	84	
TCMX-Surrogate	72.39	100	37	141	72	
DCB-Surrogate	47.04	100	34	146	47	
DCB-Surrogate	48.76	100	34	146	49	

pH 9040C/9045D

Analyte	DF	Units	RL	Result
pH	**1**	**ph**		**8.4**

Sample ID: SB03 COMP | **Collection Date: 10/1/2021**
Lab#: AD26376-016 | **Receipt Date: 10/1/2021**
Matrix: Soil

Temperature	**1**	**c**		**23.4**

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**	**1.1**
Cadmium	1	mg/l	0.050	ND
Chromium	1	mg/l	0.10	ND
Lead	**1**	**mg/l**	**0.050**	**0.52**
Nickel	1	mg/l	0.10	ND
Selenium	1	mg/l	0.10	ND
Silver	1	mg/l	0.050	ND

Total PetroleumHydrocarbons8015D(C8-C40)

Analyte	DF	Units	RL	Result
Total Petroleum Hydrocarbons	**1**	**mg/kg**	**67**	**480**

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
O-Terphenyl	15.32	20	30	146	77	
Chlorobenzene	9.08	20	20	117	45	

Sample ID: SB01 GRAB | **Collection Date: 10/1/2021**
Lab#: AD26376-017 | **Receipt Date: 10/1/2021**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
%Solids	**1**	**percent**		**78**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1.01	mg/kg	0.0026	ND
1,1,2,2-Tetrachloroethane	1.01	mg/kg	0.0026	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1.01	mg/kg	0.0026	ND
1,1,2-Trichloroethane	1.01	mg/kg	0.0026	ND
1,1-Dichloroethane	1.01	mg/kg	0.0026	ND
1,1-Dichloroethene	1.01	mg/kg	0.0026	ND
1,2,3-Trichlorobenzene	1.01	mg/kg	0.0026	ND
1,2,4-Trichlorobenzene	1.01	mg/kg	0.0026	ND
1,2-Dibromo-3-chloropropane	1.01	mg/kg	0.0026	ND
1,2-Dibromoethane	1.01	mg/kg	0.00064	ND
1,2-Dichlorobenzene	1.01	mg/kg	0.0026	ND
1,2-Dichloroethane	1.01	mg/kg	0.0026	ND
1,2-Dichloropropane	1.01	mg/kg	0.0026	ND
1,3-Dichlorobenzene	1.01	mg/kg	0.0026	ND
1,4-Dichlorobenzene	1.01	mg/kg	0.0026	ND
1,4-Dioxane	1.01	mg/kg	0.13	ND
2-Butanone	1.01	mg/kg	0.0026	ND
2-Hexanone	1.01	mg/kg	0.0026	ND
4-Methyl-2-pentanone	1.01	mg/kg	0.0026	ND
Acetone	1.01	mg/kg	0.013	ND
Benzene	1.01	mg/kg	0.0013	ND
Bromochloromethane	1.01	mg/kg	0.0026	ND
Bromodichloromethane	1.01	mg/kg	0.0026	ND
Bromoform	1.01	mg/kg	0.0026	ND
Bromomethane	1.01	mg/kg	0.0026	ND
Carbon disulfide	1.01	mg/kg	0.0044	ND
Carbon tetrachloride	1.01	mg/kg	0.0026	ND
Chlorobenzene	1.01	mg/kg	0.0026	ND
Chloroethane	1.01	mg/kg	0.0026	ND
Chloroform	1.01	mg/kg	0.0026	ND
Chloromethane	1.01	mg/kg	0.0026	ND
cis-1,2-Dichloroethene	1.01	mg/kg	0.0026	ND
cis-1,3-Dichloropropene	1.01	mg/kg	0.0026	ND
Cyclohexane	1.01	mg/kg	0.0026	ND
Dibromochloromethane	1.01	mg/kg	0.0026	ND
Dichlorodifluoromethane	1.01	mg/kg	0.0026	ND
Ethylbenzene	1.01	mg/kg	0.0013	ND
Isopropylbenzene	1.01	mg/kg	0.0013	ND
m&p-Xylenes	1.01	mg/kg	0.0015	ND
Methyl Acetate	1.01	mg/kg	0.0026	ND
Methylcyclohexane	1.01	mg/kg	0.0026	ND
Methylene chloride	**1.01**	**mg/kg**	**0.0026**	**0.0040**
Methyl-t-butyl ether	1.01	mg/kg	0.0013	ND
o-Xylene	1.01	mg/kg	0.0013	ND
Styrene	1.01	mg/kg	0.0026	ND
t-Butyl Alcohol	1.01	mg/kg	0.013	ND
Tetrachloroethene	1.01	mg/kg	0.0026	ND
Toluene	1.01	mg/kg	0.0013	ND
trans-1,2-Dichloroethene	1.01	mg/kg	0.0026	ND
trans-1,3-Dichloropropene	1.01	mg/kg	0.0026	ND
Trichloroethene	1.01	mg/kg	0.0026	ND
Trichlorofluoromethane	1.01	mg/kg	0.0026	ND
Vinyl chloride	1.01	mg/kg	0.0026	ND
Xylenes (Total)	1.01	mg/kg	0.0013	ND

Sample ID: SB01 COMP | **Collection Date: 10/1/2021**
Lab#: AD26376-018 | **Receipt Date: 10/1/2021**
Matrix: Soil

%Solids SM2540G

Analyte	DF	Units	RL	Result
%Solids	**1**	**percent**		**82**

Gasoline range organics 8015D(C6-C10)

Analyte	DF	Units	RL	Result
Gasoline Range Organics	98.2	mg/kg	30	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	5	mg/kg	0.41	ND
Acenaphthene	5	mg/kg	0.41	ND
Acenaphthylene	5	mg/kg	0.41	ND
Anthracene	**5**	**mg/kg**	**0.41**	**1.4**
Benzo[a]anthracene	**5**	**mg/kg**	**0.41**	**6.3**
Benzo[a]pyrene	**5**	**mg/kg**	**0.41**	**6.4**
Benzo[b]fluoranthene	**5**	**mg/kg**	**0.41**	**10**
Benzo[g,h,i]perylene	**5**	**mg/kg**	**0.41**	**2.7**
Benzo[k]fluoranthene	**5**	**mg/kg**	**0.41**	**3.2**
Chrysene	**5**	**mg/kg**	**0.41**	**5.7**
Dibenzo[a,h]anthracene	**5**	**mg/kg**	**0.41**	**0.82**
Fluoranthene	**5**	**mg/kg**	**0.41**	**11**
Fluorene	5	mg/kg	0.41	ND
Indeno[1,2,3-cd]pyrene	**5**	**mg/kg**	**0.41**	**2.6**
Naphthalene	5	mg/kg	0.12	ND
Phenanthrene	**5**	**mg/kg**	**0.41**	**4.0**
Pyrene	**5**	**mg/kg**	**0.41**	**11**

Paint Filter Test 9095B

Analyte	DF	Units	RL	Result
Paint Filter Test	**1**			**NEG**

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.030	ND
Aroclor-1016	1	mg/kg	0.030	ND
Aroclor-1221	1	mg/kg	0.030	ND
Aroclor-1232	1	mg/kg	0.030	ND
Aroclor-1242	1	mg/kg	0.030	ND
Aroclor-1248	1	mg/kg	0.030	ND
Aroclor-1254	1	mg/kg	0.030	ND
Aroclor-1260	1	mg/kg	0.030	ND
Aroclor-1262	1	mg/kg	0.030	ND
Aroclor-1268	1	mg/kg	0.030	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
TCMX-Surrogate	82.67	100	37	141	83	
TCMX-Surrogate	72.67	100	37	141	73	
DCB-Surrogate	76.73	100	34	146	77	
DCB-Surrogate	78.57	100	34	146	79	

pH 9040C/9045D

Analyte	DF	Units	RL	Result
pH	**1**	**ph**		**8.4**

Sample ID: SB01 COMP | **Collection Date: 10/1/2021**
Lab#: AD26376-018 | **Receipt Date: 10/1/2021**
Matrix: Soil

Temperature	**1**	**c**		**23.7**

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**	**0.90**
Cadmium	1	mg/l	0.050	ND
Chromium	1	mg/l	0.10	ND
Lead	**1**	**mg/l**	**0.050**	**0.14**
Nickel	1	mg/l	0.10	ND
Selenium	1	mg/l	0.10	ND
Silver	1	mg/l	0.050	ND

Total PetroleumHydrocarbons8015D(C8-C40)

Analyte	DF	Units	RL	Result
Total Petroleum Hydrocarbons	**1**	**mg/kg**	**110**	**630**

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
O-Terphenyl	10.01	20	30	146	50	
Chlorobenzene	7.22	20	20	117	36	

Hampton-Clarke, Inc. (WBE/DBE/SBE)
175 Route 46 West 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): 1100131

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

Customer Information

1a) Customer: ~~Jon~~ Louis Berger
Address: 96 Morton St, 8th Fl
NY, NY, 10014
1b) Email/Cell/Fax/Ph: Jon.ganz@wsp.com
1c) Send Invoice to: Jon.ganz@wsp.com
1d) Send Report to: Jon.ganz@wsp.com

Project Information

2a) Project: SANDBOMB
2b) Project Mgr: Jon Ganz
2c) Project Location (City/State): Bronx, NY
2d) Quote/PO # (If Applicable): 3ito 2661, ~~0092~~

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 #: AD26376

===> 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	Composite (C)	Grab (G)	VO-NY soils	PAHs (8270C)	TPH DRO/GRO (8015B)	PCBs (8081A/608)	TCLP Metals (RCRA8) (B11/601B)	RCRA Character 1012B/9034, 1030/1010	Paint Filter Test (9095B)	8) # of Bottles: None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other:	9) Comments
001	SB09	S	9/30/21	1300		X	X							1								
002	SB09			1300	X			X	X	X	X	X	X	1								
003	SB08			1135		X	X							1								
004	SB08			1135	X			X	X	X	X	X	X	1								
005	SB07			1035		X	X							1								
006	SB07			1035	X			X	X	X	X	X	X	1								
007	SB06			0930		X	X							1								
008	SB06			0930	X			X	X	X	X	X	X	1								
009	SB05			1325		X	X							1								
010	SB05			1325	X			X	X	X	X	X	X	1								

10) Relinquished by:	Accepted by:	Date	Time
Harry August	[signature]	10/1/21	14:12

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)

11) Sampler (print name): Harry August Date: 10/1/21

Cooler Temperature: 3.0

Additional Notes
Tat per analysis requirements

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)
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Ph: 800-426-9992 | 973-244-9770 Fax: 973-244-9787 | 973-439-1458
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A Women-Owned, Disadvantaged, Small Business Enterprise

CHAIN OF CUSTODY RECORD

Project# (Lab Use Only) 1100131   Page 2 of 2

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

Customer Information
1a) Customer: Louis Berger
Address: 96 Morton St, 8th Fl
NY, NY, 10014
1b) Email/Cell/Fax/Ph: Jon.Ganz@wsp.com
1c) Send Invoice to: jon.ganz@wsp.com
1d) Send Report to: jon.ganz@wsp.com

Project Information
2a) Project: SANDBOMB
2b) Project Mgr: Jon Ganz
2c) Project Location (City/State): Bronx, NY
2d) Quote/PO # (If Applicable): 314C2661.09609 US

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 # AD26376

===> 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	Time	Composite (C)	Grab (G)	VO-NY Soils	PAHs (8270C)	TPH DRO/GRO (8015B)	PCBs (8082A/608)	TCLP Metals (RCRA8) (8011/6010B)	RCRA Character 9012B/9034, 1030/1010	Paint Filter Test (9095B)	8) # of Bottles: None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other:	9) Comments
011	SB04	S	9/30/21	1515		X	X							1								
012	SB04	↓	↓	1515	X			X	X	X	X	X	X	1								
013	SB02			0810		X	X							1								
014	SB02			0810	X			X	X	X	X	X	X	1								
015	SB03		10/1/21	0805		X	X															
016	SB03		↓	0805	X			X	X	X	X	X	X									
017	SB01			0900		X	X															
018	SB01	↓	↓	0900	X			X	X	X	X	X	X									

10) Relinquished by:	Accepted by:	Date	Time
Harry August	[signature]	10/1/21	1412

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: 3.0

11) Sampler (print name): Harry August   Date: 10/1/21

Additional Notes TAT per analysis requirements

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 #:** 1100124

Project: SAND BOMB

Sample ID: TWP01 **Collection Date: 10/1/2021**
Lab#: AD26369-001 **Receipt Date: 10/1/2021**
Matrix: Aqueous

Carbonaceous BOD-5 Day (SM5210 B-11)

Analyte	DF	Units	RL	Result
Carbonaceous Bod, 5 Day	1	mg/l	2.0	ND

Chloride (Water) 300.0

Analyte	DF	Units	RL	Result
Chloride	**5**	**mg/l**	**10**	**170**

Cr (Hexavalent) 3500-Cr B11

Analyte	DF	Units	RL	Result
Cr (Hexavalent)	1	mg/l	0.020	ND

Flash Point 1010A

Analyte	DF	Units	RL	Result
Flash Point	**1**	**deg. f**		**>141**

Mercury (Water) 245.1

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.20	ND

Metals-Three 200.7

Analyte	DF	Units	RL	Result
Copper	**1**	**ug/l**	**25**	**28**
Nickel	1	ug/l	10	ND
Zinc	**1**	**ug/l**	**25**	**59**

Metals-Two 200.8

Analyte	DF	Units	RL	Result
Cadmium	1	ug/l	1.0	ND
Lead	**1**	**ug/l**	**0.75**	**44**

Nitrate-N (Water) 300.0

Analyte	DF	Units	RL	Result
Nitrate	**1**	**mg/l**	**1.0**	**15**

Nitrite-N (Aqueous) 300.0

Analyte	DF	Units	RL	Result
Nitrite	1	mg/l	1.0	ND

PCB 608.3

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	ug/l	0.0500	ND
Aroclor-1016	1	ug/l	0.0500	ND
Aroclor-1221	1	ug/l	0.0500	ND
Aroclor-1232	1	ug/l	0.0500	ND
Aroclor-1242	1	ug/l	0.0500	ND
Aroclor-1248	1	ug/l	0.0500	ND
Aroclor-1254	1	ug/l	0.0500	ND
Aroclor-1260	1	ug/l	0.0500	ND
Aroclor-1262	1	ug/l	0.0500	ND
Aroclor-1268	1	ug/l	0.0500	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
TCMX-Surrogate	62.42	100	39	132	62	
TCMX-Surrogate	52.91	100	39	132	53	
DCB-Surrogate	65.59	100	39	142	66	
DCB-Surrogate	55.55	100	39	142	56	

Sample ID: TWP01 | **Collection Date: 10/1/2021**
Lab#: AD26369-001 | **Receipt Date: 10/1/2021**
Matrix: Aqueous

pH (SM4500-H+ B-11)

Analyte	DF	Units	RL	Result
pH	**1**	**ph**		**7.3**
Temperature	**1**	**c**		**21.3**

Semivolatile Organics (no search) 625.1

Analyte	DF	Units	RL	Result
1,2,4-Trichlorobenzene	1	ug/l	2.00	ND
Naphthalene	1	ug/l	0.500	ND
Phenol	1	ug/l	2.00	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Terphenyl-d14	61.33	50	55	146	123	
Phenol-d5	37.59	100	27	115	38	
Nitrobenzene-d5	45.91	50	51	139	92	
2-Fluorophenol	53.78	100	29	113	54	
2-Fluorobiphenyl	48.21	50	53	129	96	
2,4,6-Tribromophenol	107.52	100	54	149	108	

SGT-HEM (Non-Polar Material) 1664B

Analyte	DF	Units	RL	Result
SGT-HEM (Non-Polar Material)	1	mg/l	5.7	ND

Total Solids (SM2540B-11)

Analyte	DF	Units	RL	Result
Total Solids @ 103-105 C	**1**	**mg/l**	**40**	**930**

Total Suspended Solids (SM2540D-11)

Analyte	DF	Units	RL	Result
Total Suspended Solids @ 103-105 C	**1**	**mg/l**	**10**	**170**

Volatile Organics (no search) 624.1

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.00	ND
1,4-Dichlorobenzene	1	ug/l	1.00	ND
Benzene	1	ug/l	0.500	ND
Carbon tetrachloride	1	ug/l	1.00	ND
Chloroform	1	ug/l	1.96	ND
Ethylbenzene	1	ug/l	1.00	ND
m&p-Xylenes	1	ug/l	1.00	ND
Methyl-t-butyl ether	1	ug/l	0.500	ND
o-Xylene	1	ug/l	1.00	ND
Tetrachloroethene	1	ug/l	1.00	ND
Toluene	1	ug/l	1.00	ND
Xylenes (Total)	1	ug/l	1.00	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Toluene-d8	29.61	30	79	111	99	
Dibromofluoromethane	29.66	30	73	131	99	
Bromofluorobenzene	30.04	30	82	112	100	
1,2-Dichloroethane-d4	31.39	30	78	128	105	

Sample ID: LBG01 **Collection Date: 10/1/2021**
Lab#: AD26369-002 **Receipt Date: 10/1/2021**
Matrix: Aqueous

Carbonaceous BOD-5 Day (SM5210 B-11)

Analyte	DF	Units	RL	Result
Carbonaceous Bod, 5 Day	**1**	**mg/l**	**2.0**	**4.3**

Chloride (Water) 300.0

Analyte	DF	Units	RL	Result
Chloride	**50**	**mg/l**	**100**	**630**

Cr (Hexavalent) 3500-Cr B11

Analyte	DF	Units	RL	Result
Cr (Hexavalent)	1	mg/l	0.020	ND

Flash Point 1010A

Analyte	DF	Units	RL	Result
Flash Point	**1**	**deg. f**		**>141**

Mercury (Water) 245.1

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.20	ND

Metals-Three 200.7

Analyte	DF	Units	RL	Result
Copper	1	ug/l	25	ND
Nickel	1	ug/l	10	ND
Zinc	1	ug/l	25	ND

Metals-Two 200.8

Analyte	DF	Units	RL	Result
Cadmium	1	ug/l	1.0	ND
Lead	**1**	**ug/l**	**0.75**	**33**

Nitrate-N (Water) 300.0

Analyte	DF	Units	RL	Result
Nitrate	1	mg/l	1.0	ND

Nitrite-N (Aqueous) 300.0

Analyte	DF	Units	RL	Result
Nitrite	1	mg/l	1.0	ND

PCB 608.3

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	ug/l	0.0500	ND
Aroclor-1016	1	ug/l	0.0500	ND
Aroclor-1221	1	ug/l	0.0500	ND
Aroclor-1232	1	ug/l	0.0500	ND
Aroclor-1242	1	ug/l	0.0500	ND
Aroclor-1248	1	ug/l	0.0500	ND
Aroclor-1254	1	ug/l	0.0500	ND
Aroclor-1260	1	ug/l	0.0500	ND
Aroclor-1262	1	ug/l	0.0500	ND
Aroclor-1268	1	ug/l	0.0500	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
TCMX-Surrogate	79.39	100	39	132	79	
TCMX-Surrogate	63.87	100	39	132	64	
DCB-Surrogate	76.98	100	39	142	77	
DCB-Surrogate	65.97	100	39	142	66	

pH (SM4500-H+ B-11)

Analyte	DF	Units	RL	Result
pH	**1**	**ph**		**6.9**
Temperature	**1**	**c**		**21.1**

Semivolatile Organics (no search) 625.1

Analyte	DF	Units	RL	Result

Sample ID: LBG01 **Collection Date: 10/1/2021**
Lab#: AD26369-002 **Receipt Date: 10/1/2021**
Matrix: Aqueous

1,2,4-Trichlorobenzene	1	ug/l	2.00	ND	
Naphthalene	1	ug/l	0.500	ND	
Phenol	1	ug/l	2.00	ND	

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Terphenyl-d14	60.04	50	55	146	120	
Phenol-d5	34.92	100	27	115	35	
Nitrobenzene-d5	44.64	50	51	139	89	
2-Fluorophenol	49.22	100	29	113	49	
2-Fluorobiphenyl	48.19	50	53	129	96	
2,4,6-Tribromophenol	106.82	100	54	149	107	

SGT-HEM (Non-Polar Material) 1664B

Analyte	DF	Units	RL	Result
SGT-HEM (Non-Polar Material)	1	mg/l	5.6	ND

Total Solids (SM2540B-11)

Analyte	DF	Units	RL	Result
Total Solids @ 103-105 C	**1**	**mg/l**	**40**	**1800**

Total Suspended Solids (SM2540D-11)

Analyte	DF	Units	RL	Result
Total Suspended Solids @ 103-105 C	**1**	**mg/l**	**5.0**	**88**

Volatile Organics (no search) 624.1

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.00	ND
1,4-Dichlorobenzene	1	ug/l	1.00	ND
Benzene	1	ug/l	0.500	ND
Carbon tetrachloride	1	ug/l	1.00	ND
Chloroform	1	ug/l	1.96	ND
Ethylbenzene	1	ug/l	1.00	ND
m&p-Xylenes	1	ug/l	1.00	ND
Methyl-t-butyl ether	1	ug/l	0.500	ND
o-Xylene	1	ug/l	1.00	ND
Tetrachloroethene	1	ug/l	1.00	ND
Toluene	1	ug/l	1.00	ND
Xylenes (Total)	1	ug/l	1.00	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Toluene-d8	28.84	30	79	111	96	
Dibromofluoromethane	30.00	30	73	131	100	
Bromofluorobenzene	29.69	30	82	112	99	
1,2-Dichloroethane-d4	31.70	30	78	128	106	

Sample ID: LBG02 | **Collection Date: 10/1/2021**
Lab#: AD26369-003 | **Receipt Date: 10/1/2021**
Matrix: Aqueous

Carbonaceous BOD-5 Day (SM5210 B-11)

Analyte	DF	Units	RL	Result
Carbonaceous Bod, 5 Day	**1**	**mg/l**	**2.0**	**2.4**

Chloride (Water) 300.0

Analyte	DF	Units	RL	Result
Chloride	**50**	**mg/l**	**100**	**850**

Cr (Hexavalent) 3500-Cr B11

Analyte	DF	Units	RL	Result
Cr (Hexavalent)	1	mg/l	0.020	ND

Flash Point 1010A

Analyte	DF	Units	RL	Result
Flash Point	**1**	**deg. f**		**>141**

Mercury (Water) 245.1

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.20	ND

Metals-Three 200.7

Analyte	DF	Units	RL	Result
Copper	1	ug/l	25	ND
Nickel	1	ug/l	10	ND
Zinc	**1**	**ug/l**	**25**	**42**

Metals-Two 200.8

Analyte	DF	Units	RL	Result
Cadmium	1	ug/l	1.0	ND
Lead	**1**	**ug/l**	**0.75**	**23**

Nitrate-N (Water) 300.0

Analyte	DF	Units	RL	Result
Nitrate	1	mg/l	1.0	ND

Nitrite-N (Aqueous) 300.0

Analyte	DF	Units	RL	Result
Nitrite	1	mg/l	1.0	ND

PCB 608.3

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	ug/l	0.0500	ND
Aroclor-1016	1	ug/l	0.0500	ND
Aroclor-1221	1	ug/l	0.0500	ND
Aroclor-1232	1	ug/l	0.0500	ND
Aroclor-1242	1	ug/l	0.0500	ND
Aroclor-1248	1	ug/l	0.0500	ND
Aroclor-1254	1	ug/l	0.0500	ND
Aroclor-1260	1	ug/l	0.0500	ND
Aroclor-1262	1	ug/l	0.0500	ND
Aroclor-1268	1	ug/l	0.0500	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
TCMX-Surrogate	79.78	100	39	132	80	
TCMX-Surrogate	51.76	100	39	132	52	
DCB-Surrogate	76.54	100	39	142	77	
DCB-Surrogate	57.46	100	39	142	57	

pH (SM4500-H+ B-11)

Analyte	DF	Units	RL	Result
pH	**1**	**ph**		**7.0**
Temperature	**1**	**c**		**21.3**

Semivolatile Organics (no search) 625.1

Analyte	DF	Units	RL	Result

Sample ID: LBG02 | **Collection Date: 10/1/2021**
Lab#: AD26369-003 | **Receipt Date: 10/1/2021**
Matrix: Aqueous

1,2,4-Trichlorobenzene	1	ug/l	2.00	ND	
Naphthalene	1	ug/l	0.500	ND	
Phenol	1	ug/l	2.00	ND	

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Terphenyl-d14	56.05	50	55	146	112	
Phenol-d5	36.84	100	27	115	37	
Nitrobenzene-d5	45.77	50	51	139	92	
2-Fluorophenol	54.67	100	29	113	55	
2-Fluorobiphenyl	48.18	50	53	129	96	
2,4,6-Tribromophenol	100.22	100	54	149	100	

SGT-HEM (Non-Polar Material) 1664B

Analyte	DF	Units	RL	Result
SGT-HEM (Non-Polar Material)	1	mg/l	5.7	ND

Total Solids (SM2540B-11)

Analyte	DF	Units	RL	Result
Total Solids @ 103-105 C	**1**	**mg/l**	**40**	**2900**

Total Suspended Solids (SM2540D-11)

Analyte	DF	Units	RL	Result
Total Suspended Solids @ 103-105 C	**1**	**mg/l**	**4.0**	**96**

Volatile Organics (no search) 624.1

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.00	ND
1,4-Dichlorobenzene	1	ug/l	1.00	ND
Benzene	1	ug/l	0.500	ND
Carbon tetrachloride	1	ug/l	1.00	ND
Chloroform	1	ug/l	1.96	ND
Ethylbenzene	1	ug/l	1.00	ND
m&p-Xylenes	1	ug/l	1.00	ND
Methyl-t-butyl ether	1	ug/l	0.500	ND
o-Xylene	1	ug/l	1.00	ND
Tetrachloroethene	1	ug/l	1.00	ND
Toluene	1	ug/l	1.00	ND
Xylenes (Total)	1	ug/l	1.00	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Toluene-d8	28.96	30	79	111	97	
Dibromofluoromethane	30.30	30	73	131	101	
Bromofluorobenzene	30.33	30	82	112	101	
1,2-Dichloroethane-d4	31.78	30	78	128	106	

Hampton-Clarke, Inc. (WBE/DBE/SBE)
175 Route 46 West 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): 1100124 | Page 1 of 1

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

Customer Information

1a) Customer: Louis Berger
Address: 96 Morton St, 8th Fl
NY, NY, 10014
1b) Email/Cell/Fax/Ph: Jon.ganz@wsp.com
1c) Send Invoice to: Jon.ganz@wsp.com
1d) Send Report to: Jon.ganz@wsp.com

Project Information

2a) Project: SANDBOMB
2b) Project Mgr: Jon Ganz
2c) Project Location (City/State): Bronx, NY
2d) Quote/PO # (If Applicable): 31402661.000 HA 0092

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
(circled) 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 #: AD26369

===> 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)*: NYC DEP Effluent Parameters

Lab Sample #	4) Customer Sample ID	5) Matrix	6) Sample Date	6) Sample Time	Composite (C)	Grab (G)	NYC DEP Effluent Parameters	8) # of Bottles: None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other:	9) Comments
001	TWP01	GW	10/1/21	900		X		9				~~X~~	1	~~X~~		5-HCl and 1-HNO3 bottles
002	HA ~~B01~~ LBG01	↓	↓	1020		X		9				5	1	1		
003	HA ~~B02~~ LBG02	↓	↓	1115		X		9				5	1	1		

10) Relinquished by:	Accepted by:	Date	Time
Harry August	[signature]	10/1/21	14:12

11) Sampler (print name): ________ Date: ________

Additional Notes TAT per analysis requirements
PCBG08 - AQ NY (Note on COC must 0.069 ppb)

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, 2.6, 2.8

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#

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Hampton Clarke-Veritech

Project # 1100124

COCID#7444

SGS Job Number: JD32733

Sampling Date: 10/01/21

Report to:

Hampton Clarke-Veritech
175 Route 46 West
Fairfield, NJ 07004
SubResults@HCVLab.com; MStone@HCVLab.com

ATTN: Maureen Stone

Total number of pages in report: 13

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Mike Earp
General Manager

Client Service contact: Shalini Williams 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TX, UT, VA, WV, DoD ELAP (ANAB L2248)

Sections: 1 2 3 4

Table of Contents

SGS North America Inc.

Sample Summary

Hampton Clarke-Veritech

Job No: JD32733

Project # 1100124
Project No: COCID#7444

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JD32733-1	10/01/21	09:00		10/04/21	AQ	Water	AD26369-001 TWP01
JD32733-2	10/01/21	10:20		10/04/21	AQ	Water	AD26369-002 LBG01
JD32733-3	10/01/21	11:15		10/04/21	AQ	Water	AD26369-003 LBG02

Summary of Hits

Job Number: JD32733
Account: Hampton Clarke-Veritech
Project: Project # 1100124
Collected: 10/01/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD32733-1	**AD26369-001 TWP01**					
Nitrogen, Total Kjeldahl		2.6	0.20		mg/l	EPA 351.2/LACHAT
JD32733-2	**AD26369-002 LBG01**					
Nitrogen, Total Kjeldahl		4.5	0.20		mg/l	EPA 351.2/LACHAT
JD32733-3	**AD26369-003 LBG02**					
Nitrogen, Total Kjeldahl		0.52	0.20		mg/l	EPA 351.2/LACHAT

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	AD26369-001 TWP01		
Lab Sample ID:	JD32733-1	**Date Sampled:**	10/01/21
Matrix:	AQ - Water	**Date Received:**	10/04/21
		Percent Solids:	n/a
Project:	Project # 1100124		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Nitrogen, Total Kjeldahl	2.6	0.20	mg/l	1	10/07/21 18:19	EB	EPA 351.2/LACHAT

RL = Reporting Limit

Report of Analysis

Client Sample ID:	AD26369-002 LBG01		
Lab Sample ID:	JD32733-2	**Date Sampled:**	10/01/21
Matrix:	AQ - Water	**Date Received:**	10/04/21
		Percent Solids:	n/a
Project:	Project # 1100124		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Nitrogen, Total Kjeldahl	4.5	0.20	mg/l	1	10/07/21 18:20	EB	EPA 351.2/LACHAT

RL = Reporting Limit

Report of Analysis

Client Sample ID:	AD26369-003 LBG02		
Lab Sample ID:	JD32733-3	**Date Sampled:**	10/01/21
Matrix:	AQ - Water	**Date Received:**	10/04/21
		Percent Solids:	n/a
Project:	Project # 1100124		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Nitrogen, Total Kjeldahl	0.52	0.20	mg/l	1	10/07/21 18:21	EB	EPA 351.2/LACHAT

RL = Reporting Limit

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

CHAIN OF CUSTODY RECORD

Hampton-Clarke, Inc.
175 US Hwy 46 West
Fairfield, New Jersey, 07004
Ph:800-426-9992 Fax:973-439-1458

JD32733

Report To:
Hampton-Clarke, Inc.:
Attn:Reporting
175 Route 46 West
Fairfield, New Jersey 07004

Invoice To:
Hampton-Clarke, Inc.:
Attn:Accounting
175 Route 46 West
Fairfield, New Jersey 07004

Project #: 1100124

CocID#: 7444

FINAL RESULTS TO: subresults@hcvlab.com
PRELIM/VERBAL RESULTS TO: subresults@hcvlab.com

EDD: NEW JERSEY HAZRESULT OR EQUIS EZEDD REQUIRED FOR ALL DATA SUBMITTALS!

Turn Around Time: Standard
Report Type: NYDOH-CatA (STAND
Preliminary Due Date: 10/18/2021
Hard Copy Due Date: 10/26/2021

	Sample Number:	Client ID	Matrix:	Date Collected:	Time Collected:	Analysis Requested
1	AD26369-001	TWP01	Aqueous	10/1/2021	9:00:00 AM	TKN Method:EPA 351
2	AD26369-002	LBG01	Aqueous	10/1/2021	10:20:00 AM	TKN Method:EPA 351
3	AD26369-003	LBG02	Aqueous	10/1/2021	11:15:00 AM	TKN Method:EPA 351

B8

Relinquished By:	Accepted By:	Date:	Time:	Comments, Notes, Special Requirements, HAZARDS
John Burwell	[signature]	10/4/21	9:26AM	Initial Assessment 3B·SS Label Verification______ Cooler Temp: 2.8C

HC Lab Use Only: **Subcontracted Lab Id and Contact:** ACCUTEST SGS, Sample Receiving, (732) 329-0200, LabID: H, Fresh Ponds Corporate Village, Bldg. B, 2235 Route 130, Dayt

JD32733: Chain of Custody
Page 1 of 2

SGS Sample Receipt Summary

Job Number: JD32733 **Client:** _____ **Project:** _____

Date / Time Received: 10/4/2021 9:26:00 AM **Delivery Method:** _____ **Airbill #'s:** _____

Cooler Temps (Raw Measured) °C: Cooler 1: (2.8);

Cooler Temps (Corrected) °C: Cooler 1: (2.8);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:			
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify) _____ _____

Comments

SM089-03
Rev. Date 12/7/17

JD32733: Chain of Custody
Page 2 of 2

Internal Sample Tracking Chronicle

Hampton Clarke-Veritech

Job No: JD32733

Project # 1100124
Project No: COCID#7444

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JD32733-1	Collected: 01-OCT-21 09:00 By: AD26369-001 TWP01			Received: 04-OCT-21	By: DG	
JD32733-1	EPA 351.2/LACHAT	07-OCT-21 18:19	EB	05-OCT-21	MP	TKN
JD32733-2	Collected: 01-OCT-21 10:20 By: AD26369-002 LBG01			Received: 04-OCT-21	By: DG	
JD32733-2	EPA 351.2/LACHAT	07-OCT-21 18:20	EB	05-OCT-21	MP	TKN
JD32733-3	Collected: 01-OCT-21 11:15 By: AD26369-003 LBG02			Received: 04-OCT-21	By: DG	
JD32733-3	EPA 351.2/LACHAT	07-OCT-21 18:21	EB	05-OCT-21	MP	TKN

SGS Internal Chain of Custody

Job Number: JD32733
Account: HCVNJF Hampton Clarke-Veritech
Project: Project # 1100124
Received: 10/04/21

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD32733-1.1	Tyler Strong	Secured Storage	10/04/21 16:43	Return to Storage
JD32733-1.1	Secured Storage	Todd Shoemaker	10/05/21 15:26	Retrieve from Storage
JD32733-1.1	Todd Shoemaker	Secured Staging Area	10/05/21 15:27	Return to Storage
JD32733-1.1	Secured Staging Area	Mahendra Patel	10/06/21 09:29	Retrieve from Storage
JD32733-1.1	Mahendra Patel	Secured Storage	10/06/21 17:18	Return to Storage
JD32733-2.1	Tyler Strong	Secured Storage	10/04/21 16:43	Return to Storage
JD32733-2.1	Secured Storage	Todd Shoemaker	10/05/21 15:26	Retrieve from Storage
JD32733-2.1	Todd Shoemaker	Secured Staging Area	10/05/21 15:27	Return to Storage
JD32733-2.1	Secured Staging Area	Mahendra Patel	10/06/21 09:29	Retrieve from Storage
JD32733-2.1	Mahendra Patel	Secured Storage	10/06/21 17:18	Return to Storage
JD32733-3.1	Tyler Strong	Secured Storage	10/04/21 16:43	Return to Storage
JD32733-3.1	Secured Storage	Todd Shoemaker	10/05/21 15:26	Retrieve from Storage
JD32733-3.1	Todd Shoemaker	Secured Staging Area	10/05/21 15:27	Return to Storage
JD32733-3.1	Secured Staging Area	Mahendra Patel	10/06/21 09:29	Retrieve from Storage
JD32733-3.1	Mahendra Patel	Secured Storage	10/06/21 17:18	Return to Storage