FORMER T&J SALVAGE

2647 STILLWELL AVENUE

BROOKLYN, NEW YORK

INTERIM REMEDIAL MEASURE COMPLETION REPORT

NYSDEC BCP Site No.: C224362
AKRF Project Number: 220241

Prepared For:

New York State Department of Environmental Conservation
Division of Environmental Remediation, Remedial Bureau B
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Prepared On Behalf Of:

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JANUARY 2024

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1.0 INTRODUCTION

This Interim Remedial Measure Completion Report (IRMCR) summarizes the activities performed on September 22, 2023, and on November 2 and 6, 2023, at the Former T&J Salvage site located at 2647 Stillwell Avenue in Brooklyn, New York (the "Site"). The IRM was conducted in conformance with AKRF's September 2023 New York State Department of Environmental Conservation (NYSDEC)-approved Interim Remedial Measure Work Plan (IRMWP), which included a Health and Safety Plan (HASP).

1.1 Site Location and Current Usage

The Site consists of an approximately 1.87-acre parcel located at 2647 Stillwell Avenue in the Gravesend section of Brooklyn, New York, and is identified by the City of New York as Tax Block 7247, Lots 200, 203, 205, 206, 211, and 213. On March 23, 2023, 2647 Stillwell Avenue Property LLC (the "Volunteer") entered into a Brownfield Cleanup Agreement (BCA) (Index No. C224362-02-23) for the Site with NYSDEC. The Site location is shown on Figure 1.

Currently, the Site consists of a concrete-paved yard utilized for bus parking. While there are no permanent structures on-site, empty metal storage racks and former office trailers are located near the Site's western boundary. The operations at the Site prior to acquisition by the Volunteer consisted of T&J Auto Salvage, an auto salvage yard, and Stillwell Ready-Mix and Building Materials, LLC, a concrete and building material supply company, up until April 2023. An off-site concrete-paved roadway runs along the majority of the southern boundary of the Site on Block 7247, Lot 1.

1.2 Description of Surrounding Property

The Site is bounded to the north by an easement area associated with the Belt Parkway, followed by the Belt Parkway (a.k.a. Shore Parkway), followed by parking lots; to the east by the Metropolitan Transit Authority (MTA) D, F, N, and Q train lines, followed by vacant land (Former Brooklyn Borough Gas Works – Site No. 224026) and MTA's Coney Island Yard; to the south by Coney Island Creek; and to the west by Stillwell Avenue, followed by Coney Island Creek.

There are no sensitive receptors (i.e., schools, daycares, or hospitals) within 600 feet of the Site. The nearest sensitive receptors include John Dewey High School (approximately 1,400 feet to the northwest) and Graffiti Ministries Learning Center (approximately 1,500 feet to the southwest).

2.0 SITE BACKGROUND AND HISTORY

2.1 Past Uses

Topographical maps indicate that the Site was comprised of marshland in 1891 and 1898 and was subsequently filled in and depicted as vacant land by 1947. Historical Sanborn maps indicate that the Site included a dwelling on the north-central portion of the Site and a small structure labeled "office" with a one-story structure labeled "junk" just north of the small office on the southern edge of the Site in 1930. Additionally, a portion of Canal Avenue bisected the Site through the center and occupied the southwestern portion of the Site in 1930. Sanborn maps also indicate that the Site operated as an auto salvage and wrecking yard around the 1950s, became vacant by 1966, and resumed auto salvage and wrecking operations starting in 1979 and continuing until April 2023. City directories reviewed as part of the Phase I Environmental Site Assessment (ESA) indicate that the Site operated as auto wrecking and salvage from 1940 to April 2023 under "Hub Auto Wrecking Co." (1940), "Johnson's Auto Glass Co." (1949), "City Wide Auto Salvage Ltd." (1976), and "T&J Salvage Corp." (1985 to 2023).

2.2 Catch Basin Network

During the 2023 Remedial Investigation (RI), a geophysical survey was conducted to identify and trace the approximate location of drainage lines associated with five on-site stormwater catch basins and one off-site catch basin. The survey identified a subgrade piping network leading towards Coney Island Creek. An inspection of the shoreline was conducted via kayak and a stormwater outfall was identified along the Site's southwestern boundary with Coney Island Creek. A Site plan showing the drainage system configuration is included on Figure 2. Photographs of the outfall are included in Appendix A.

As part of the RI, the five on-site catch basins were inspected and sediment samples were collected from the bottom of three catch basins identified as RI-CB-03, RI-CB-04, and RI-CB-05. The other two on-site catch basins (RI-CB-01 and RI-CB-02) contained very little sediment during the RI and the off-site drain was not inspected as part of the RI. The sediment sample results identified concentrations of petroleum-related volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), and select metals above the NYSDEC Unrestricted Use Soil Cleanup Objectives (UUSCOs) and/or Commercial Use Soil Cleanup Objectives (CSCOs) in one or more of the structures. The results for the catch basin samples are summarized on Tables 1 through 3.

3.0 PROJECT MANAGEMENT

3.1 Project Organization

Contact information for the parties responsible for the work described in this IRMCR are included in Table T1:

Table T1
Project Organization

Company	Individual Name	Title	Contact Number(s)
NYSDEC	Michael Sollecito, EIT	Project Manager	(518) 402-2198
NYSDOH	Johnathan Robinson	Project Manager	(518) 402-7881
AKRF, Inc.	Stephen Malinowski, QEP	Project Director	(631) 574-3724
	Michelle Lapin, P.E.	Remedial Engineer	(646) 388-9520
	Adrianna Bosco	Project Manager	(646) 388-9576
	Antonio Cardenas	Field Team Leader/Site Safety Officer	(646) 388-9744
2647 Stillwell Avenue Property LLC	Ryan Nelson	BCP Volunteer Representative	(917) 346-5942

3.2 Health and Safety

All work described in this report was performed in full compliance with applicable laws and regulations, including Site and Occupational Safety and Health Administration (OSHA) worker safety requirements and Hazardous Waste Operations and Emergency Response (HAZWOPER) requirements. The IRM activities described in this IRMCR were also performed in accordance with the Site-specific HASP dated September 2023. Photographs of the completed IRM activities are provided in Appendix A.

3.2.1 Air Monitoring

In accordance with the IRMWP and HASP, real-time air monitoring for VOCs and particulates was conducted within the work area and at the perimeter of the exclusion zone during all catch basin cleaning activities. All recorded readings were below the applicable action response levels. A copy of the air monitoring logs are provided in Appendix B.

4.0 IRM FIELD ACTIVITIES

The IRM activities were conducted on September 22, 2023, and November 2 and 6, 2023, and included the following scope of work:

1. Collection and laboratory analysis of sediment samples for waste characterization purposes.
2. Removal of standing liquid (stormwater) and accumulated sediment from five on-site catch basins and one off-site catch basin.
3. High-pressure washing the interior of each catch basin.
4. Disposal of sediment, stormwater, and wash water at permitted facilities.

Copies of the daily reports issued to NYSDEC and NYSDOH during implementation of the IRMWP are provided in Appendix C.

4.1 Waste Characterization

Prior to conducing the catch basin cleaning activities, sediment samples were collected from the bottom of the six catch basins for waste characterization purposes and to obtain disposal facility approval. Based on the estimated quantity of accumulated sediment, one discrete grab sample and one composite sample were collected by AKRF for laboratory analysis. The grab sample was collected using Encore® sampling devices and analyzed for VOCs by Environmental Protection Agency (EPA) Method 8260D and Gasoline Range Organics (GRO) by EPA Method 8015D. The composite sample was analyzed for SVOCs by EPA Method 8270E, polychlorinated biphenyls (PCBs) by EPA Method 8082A, diesel range organics (DRO) by EPA Method 8015D, the Resource Conservation and Recovery Act (RCRA) list of total and leachable metals by EPA Methods 6020B, TCLP/1311, 7470A, 7471B, ignitability, reactivity and corrosivity by EPA Method 1030, 9014, 9034, and 9045D, and total cyanide by EPA Method 9012B.

Sediment samples designated for laboratory analysis were placed into laboratory-supplied containers in accordance with appropriate EPA protocols using dedicated sampling equipment. The waste characterization soil samples were submitted via courier to Eurofins Environment Testing Northeast, LLC of Edison, New Jersey (Eurofins Edison). Waste characterization analytical results are provided in Appendix D.

Based on the laboratory results and coordination with the remediation contractor, the sediment was approved for acceptance as contaminated soil at Posillico Materials, LLC Wash Plant Facility in Farmingdale, New York. Facility approval and permits are provided in Appendix E.

4.1.1 Sediment Sample Analytical Results

The sediment waste characterization analytical results were compared to the specific acceptance criteria of the intended disposal facilities. A summary of the analytical results is provided below.

VOCs and GRO

Low levels of petroleum-related compounds, including 2-butanone, benzene, ethylbenzene, m/p-xylene, o-xylene, styrene, and toluene, were detected in the grab sample at concentrations ranging from 0.00059 milligrams per kilogram (mg/kg) to 0.033 mg/kg.

GRO was detected at a concentration of 8.2 mg/kg.

SVOCs

Individual SVOCs, primarily polycyclic aromatic hydrocarbons (PAHs), were detected in the composite sample at concentrations ranging from 0.016 mg/kg to 2.3 mg/kg. The total SVOC concentration was 3.318 mg/kg.

DRO

DRO was detected at a concentration of 7,400 mg/kg in the composite sample.

PCBs

PCBs were not detected above laboratory reporting limits.

Metals

Seven of the eight RCRA metals were detected at concentrations ranging from 0.66 mg/kg to 123 mg/kg (barium). Selenium was not detected above laboratory reporting limits in the total metals analysis. None of the metals analyzed by the TCLP method exceeded the USEPA TCLP limit. Cyanide was detected at a concentration of 0.18 mg/kg in the composite sample.

4.2 Catch Basin Clean-Out

On November 2 and 6, 2023, the six catch basins were cleaned out by Eastern Environmental Solutions, Inc. (Eastern) of Manorville, New York. A pump truck was utilized to remove any standing liquid from each catch basin prior to removing sediment with high-powered vacuum truck "guzzler." As groundwater was very shallow, the pump truck was also periodically utilized to remove any water accumulating during the sediment removal. The concrete walls and bottom of the catch basins were power washed to eliminate any residual contamination from the concrete structures. The wash water was collected in the pump truck for off-site disposal.

Following the pump and cleaning activities, AKRF inspected the bottom of each catch basin, and it was confirmed that all accumulated sediment was removed. The bottoms of the catch basins were determined to contain concrete, rock, asphalt, and/or rebar.

One full truckload of sediment containing approximately 10 cubic yards of material was transported to the Posillico Soil Wash Plant for recycling on November 3, 2023, and a second partial truckload containing approximately 5 cubic yards was transported on November 6, 2023. In addition, 411 gallons of stormwater was transported to Clear Flo Technologies, Inc. for recycling on November 3, 2023

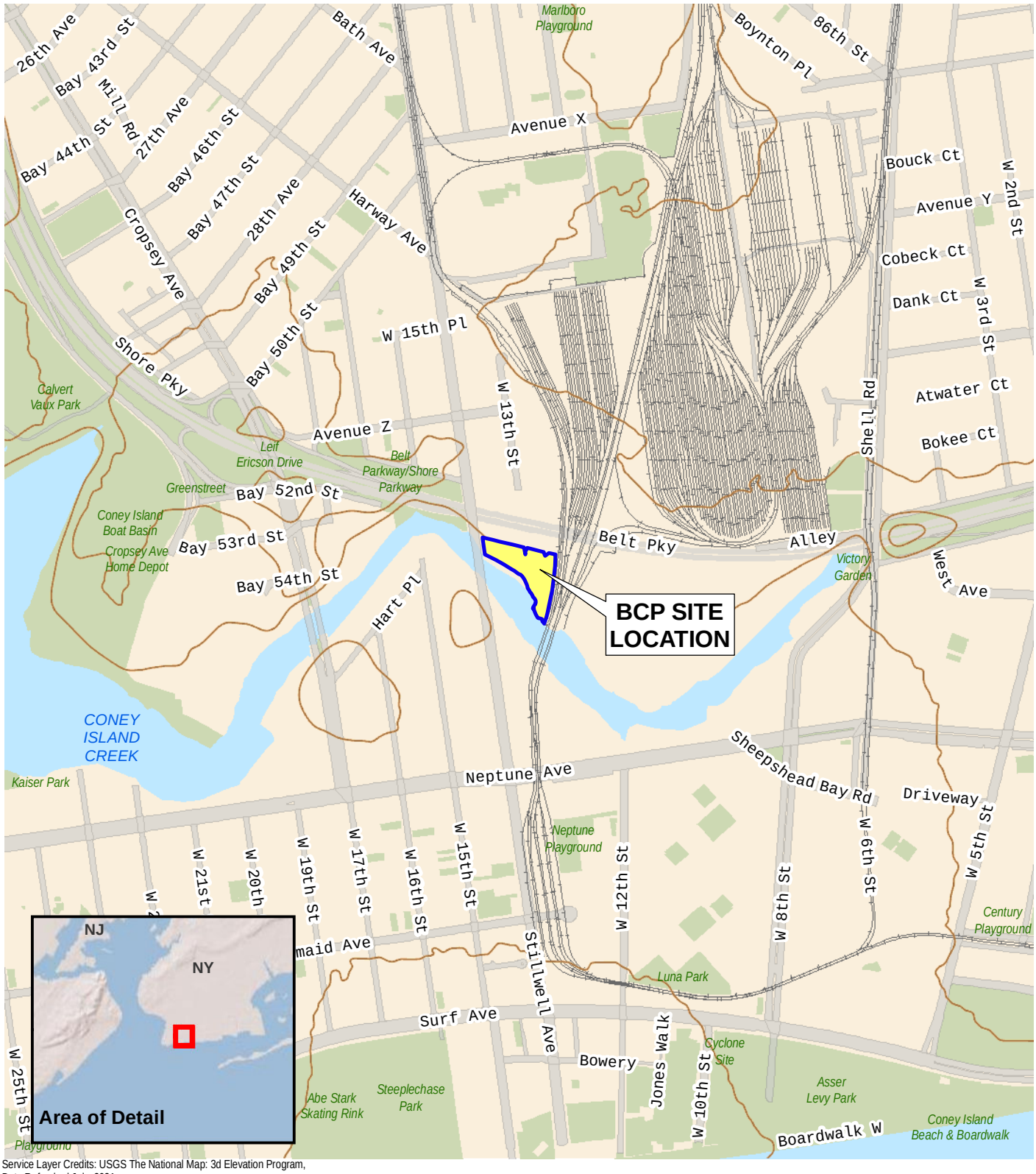
Copies of the liquid and sediment disposal manifests are provided in Appendix F.

5.0 DEVIATIONS

5.1 Deviations from the Interim Remedial Measure Work Plan (IRMWP)

No IRMWP deviations occurred that would have resulted in compromises to the design intent of the IRM.

FIGURES



Service Layer Credits: USGS The National Map: 3d Elevation Program, Data Refreshed July, 2021

0 800 1,600

SCALE IN FEET

AKRF

440 Park Avenue South, New York, NY 10016

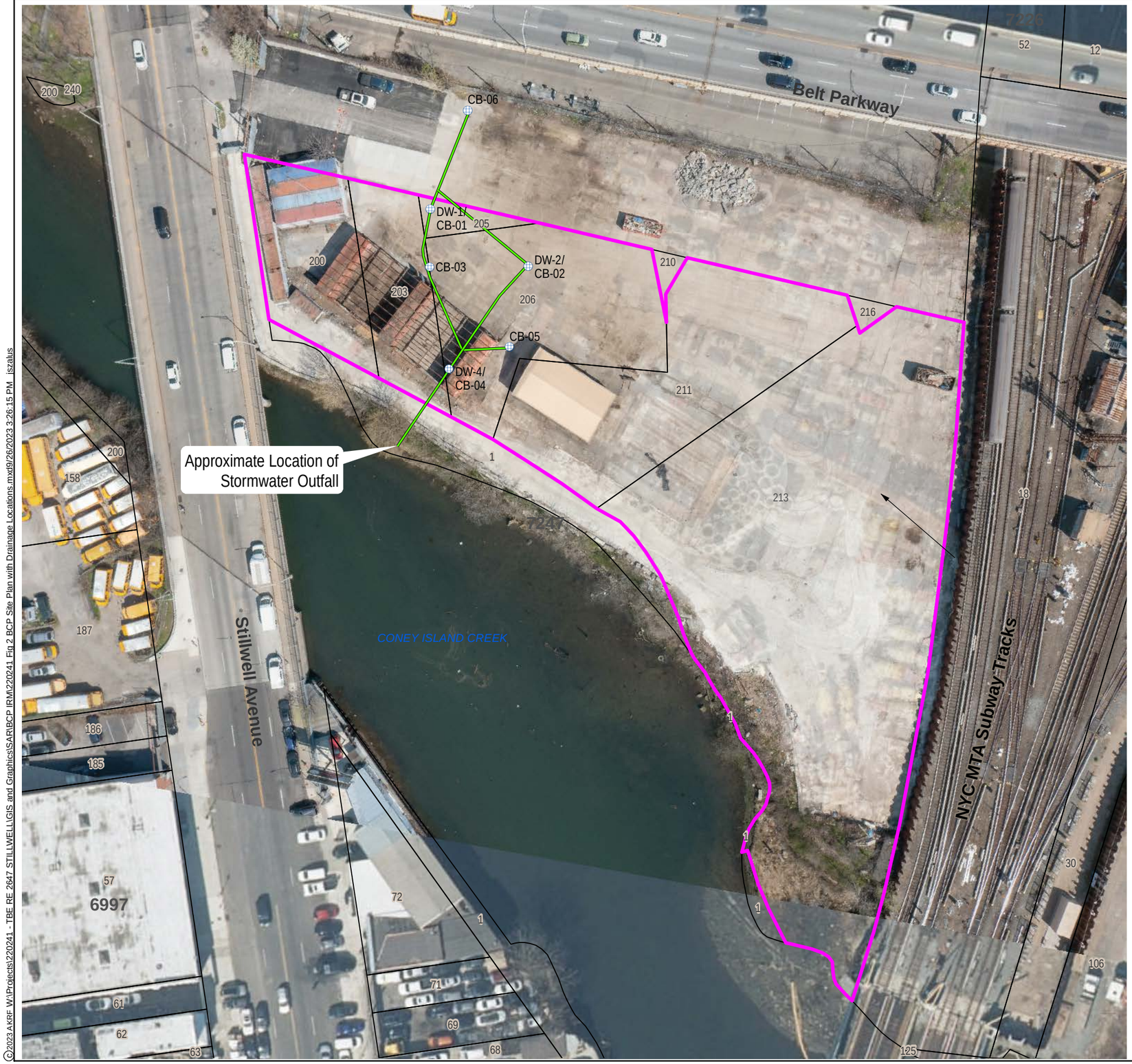
2647 Stillwell Avenue
Brooklyn, New York

BCP SITE LOCATION

DATE
9/27/2022

PROJECT NO.
220241

FIGURE
1



LEGEND

- BCP PROJECT SITE BOUNDARY
- 213 LOT BOUNDARY AND TAX LOT NUMBER
- 7247 BLOCK NUMBER
- CATCH BASIN/DRYWELL LOCATION
- ESTIMATED UNDERGROUND STORMWATER PIPING CONFIGURATION

0 60 120

SCALE IN FEET

Aerial Source:
April 2023 Drone Aerial

2020 New York State ITS GIS Orthoimagery.

Map Source:
NYCDCP (NYC Dept. of City Planning) GIS database.

AKRF
440 Park Avenue South, New York, NY 10016

2647 Stillwell Avenue
Brooklyn, New York

BCP SITE PLAN WITH DRAINAGE LOCATIONS

DATE
9/26/2023

PROJECT NO.
220241

FIGURE
2

TABLES

Table 1
Former T and J Salvage
2647 Stillwell Avenue, Brooklyn, NY
Remedial Investigation
Sediment Analytical Results for Volatile Organic Compounds (VOCs)

		AKRF Sample ID	RI-CB-03_20230504	RI-CB-04_20230504	RI-CB-05_20230504
		Laboratory Sample ID	460-279573-9	460-279573-10	460-279573-11
		Date Sampled	5/04/2023	5/04/2023	5/04/2023
		Dilution Factor	500	1	1
		Unit	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC CSCO**	**NYSDEC UUSCO**	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	500	0.68	1.3 U	0.0021 U	0.0014 U
1,1,2,2-Tetrachloroethane	NS	NS	1.3 U	0.0021 U	0.0014 U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	NS	NS	1.3 U	0.0021 U	0.0014 U
1,1,2-Trichloroethane	NS	NS	1.3 U	0.0021 U	0.0014 U
1,1-Dichloroethane	240	0.27	1.3 U	0.0021 U	0.0014 U
1,1-Dichloroethene	500	0.33	1.3 U	0.0021 U	0.0014 U
1,2,3-Trichlorobenzene	NS	NS	1.3 U	0.0021 U	0.0014 U
1,2,4-Trichlorobenzene	NS	NS	1.3 U	0.0021 U	0.0014 U
1,2,4-Trimethylbenzene	190	**3.6**	**160**	0.0021 U	0.0014 U
1,2-Dibromo-3-Chloropropane	NS	NS	1.3 U	0.0021 U	0.0014 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	1.3 U	0.0021 U	0.0014 U
1,2-Dichlorobenzene	500	1.1	1.3 U	0.0021 U	0.0014 U
1,2-Dichloroethane	30	0.02	1.3 U	0.0021 U	0.0014 U
1,2-Dichloropropane	NS	NS	1.3 U	0.0021 U	0.0014 U
1,3,5-Trimethylbenzene (Mesitylene)	190	**8.4**	**72**	0.0021 U	0.0014 U
1,3-Dichlorobenzene	280	2.4	1.3 U	0.0021 U	0.0014 U
1,4-Dichlorobenzene	130	1.8	1.3 U	0.0021 U	0.0014 U
2-Hexanone	NS	NS	6.7 U	0.011 U	0.0072 U
Acetone	500	**0.05**	6.7 UT	**0.067**	0.0087 U
Benzene	44	**0.06**	**1.1 J**	0.0021 U	0.0014 U
Bromochloromethane	NS	NS	1.3 U	0.0021 U	0.0014 U
Bromodichloromethane	NS	NS	1.3 U	0.0021 U	0.0014 U
Bromoform	NS	NS	1.3 U	0.0021 U	0.0014 U
Bromomethane	NS	NS	1.3 U	0.0043 U	0.0029 U
Carbon Disulfide	NS	NS	1.3 U	0.0021 U	0.0014 U
Carbon Tetrachloride	22	0.76	1.3 U	0.0021 U	0.0014 U
Chlorobenzene	500	1.1	1.3 U	0.0021 U	0.0014 U
Chloroethane	NS	NS	1.3 U	0.0021 U	0.0014 U
Chloroform	350	0.37	1.3 U	0.0021 U	0.0014 U
Chloromethane	NS	NS	1.3 U	0.0021 U	0.0014 U
Cis-1,2-Dichloroethylene	500	0.25	1.3 U	0.0021 U	0.0014 U
Cis-1,3-Dichloropropene	NS	NS	1.3 U	0.0021 U	0.0014 U
Cyclohexane	NS	NS	24	0.0021 U	0.0014 U
Dibromochloromethane	NS	NS	1.3 U	0.0021 U	0.0014 U
Dichlorodifluoromethane	NS	NS	1.3 U	0.0021 U	0.0014 U
Ethylbenzene	390	**1**	**31**	0.0021 U	0.0014 U
Isopropylbenzene (Cumene)	NS	NS	4.4	0.0021 U	0.0014 U
M,P-Xylenes	NS	NS	230	0.0021 U	0.0014 U
Methyl Acetate	NS	NS	6.7 U	0.011 U	0.0072 U
Methyl Ethyl Ketone (2-Butanone)	500	0.12	6.7 U	0.014	0.0072 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	6.7 U	0.011 U	0.0072 U
Methylcyclohexane	NS	NS	82	0.0021 U	0.0014 U
Methylene Chloride	500	0.05	1.3 U	0.0043 U	0.0029 U
N-Butylbenzene	500	12	1.3 U	0.0021 U	0.0014 U
N-Propylbenzene	500	**3.9**	**14**	0.0021 U	0.0014 U
O-Xylene (1,2-Dimethylbenzene)	NS	NS	88	0.0021 U	0.0014 U
Sec-Butylbenzene	500	11	2	0.0021 U	0.0014 U
Styrene	NS	NS	1.3 U	0.0021 U	0.0014 U
T-Butylbenzene	500	5.9	1.3 U	0.0021 U	0.0014 U
Tert-Butyl Methyl Ether	500	0.93	1.3 U	0.0021 U	0.0014 U
Tetrachloroethylene (PCE)	150	1.3	1.3 U	0.0021 U	0.0014 U
Toluene	500	**0.7**	**3.5**	0.0021 U	0.0014 U
Trans-1,2-Dichloroethene	500	0.19	1.3 U	0.0021 U	0.0014 U
Trans-1,3-Dichloropropene	NS	NS	1.3 U	0.0021 U	0.0014 U
Trichloroethylene (TCE)	200	0.47	1.3 U	0.0021 U	0.0014 U
Trichlorofluoromethane	NS	NS	1.3 UT	0.0021 U	0.0014 U
Vinyl Chloride	13	0.02	1.3 U	0.0021 U	0.0014 U
Xylenes, Total	500	**0.26**	**320**	0.0043 U	0.0029 U

Table 2
Former T and J Salvage
2647 Stillwell Avenue, Brooklyn, NY
Remedial Investigation
Sediment Analytical Results for Semi-Volatile Organic Compounds (SVOCs)

		AKRF Sample ID	RI-CB-03_20230504	RI-CB-04_20230504	RI-CB-05_20230504
		Laboratory Sample ID	460-279573-9	460-279573-10	460-279573-11
		Date Sampled	5/04/2023	5/04/2023	5/04/2023
		Dilution Factor	5	5	1
		Unit	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC CSCO**	**NYSDEC UUSCO**	CONC Q	CONC Q	CONC Q
1,2,4,5-Tetrachlorobenzene	NS	NS	2.1 U	2.9 U	0.46 U
1,4-Dioxane (P-Dioxane)	130	0.1	0.21 U	0.29 U	0.046 U
2,3,4,6-Tetrachlorophenol	NS	NS	2.1 U	2.9 U	0.46 U
2,4,5-Trichlorophenol	NS	NS	2.1 U	2.9 U	0.46 U
2,4,6-Trichlorophenol	NS	NS	0.87 U	1.2 U	0.19 U
2,4-Dichlorophenol	NS	NS	0.87 U	1.2 U	0.19 U
2,4-Dimethylphenol	NS	NS	2.1 U	2.9 U	0.46 U
2,4-Dinitrophenol	NS	NS	1.7 U	2.3 U	0.37 U
2,4-Dinitrotoluene	NS	NS	0.44 U	0.59 U	0.094 U
2,6-Dinitrotoluene	NS	NS	0.44 U	0.59 U	0.094 U
2-Chloronaphthalene	NS	NS	2.1 U	2.9 U	0.46 U
2-Chlorophenol	NS	NS	2.1 U	2.9 U	0.46 U
2-Methylnaphthalene	NS	NS	8.1	2.2 J	0.46 U
2-Methylphenol (O-Cresol)	500	0.33	2.1 U	2.9 U	0.46 U
2-Nitroaniline	NS	NS	2.1 UT	2.9 UT	0.46 UT
2-Nitrophenol	NS	NS	2.1 U	2.9 U	0.46 U
3- And 4- Methylphenol (Total)	500	NS	2.1 U	2.9 U	0.46 U
3,3'-Dichlorobenzidine	NS	NS	0.87 U	1.2 U	0.19 U
3-Nitroaniline	NS	NS	2.1 U	2.9 U	0.46 U
4,6-Dinitro-2-Methylphenol	NS	NS	1.7 U	2.3 U	0.37 U
4-Bromophenyl Phenyl Ether	NS	NS	2.1 U	2.9 U	0.46 U
4-Chloro-3-Methylphenol	NS	NS	2.1 U	2.9 U	0.46 U
4-Chloroaniline	NS	NS	2.1 U	2.9 U	0.46 U
4-Chlorophenyl Phenyl Ether	NS	NS	2.1 U	2.9 U	0.46 U
4-Methylphenol (P-Cresol)	500	0.33	2.1 U	2.9 U	0.46 U
4-Nitroaniline	NS	NS	2.1 U	2.9 U	0.46 U
4-Nitrophenol	NS	NS	4.4 U	5.9 U	0.94 U
Acenaphthene	500	20	2.1 U	2.9 U	0.46 U
Acenaphthylene	500	100	2.1 U	2.9 U	0.46 U
Acetophenone	NS	NS	2.1 U	2.9 U	0.028 J
Anthracene	500	100	2.1 U	2.9 U	0.46 U
Atrazine	NS	NS	0.87 U	1.2 U	0.19 U
Benzaldehyde	NS	NS	2.1 U	2.9 U	0.46 U
Benzo(a)Anthracene	5.6	1	0.21 U	0.29 U	0.037 J
Benzo(a)Pyrene	1	1	0.21 U	0.14 J	0.035 J
Benzo(b)Fluoranthene	5.6	1	0.14 J	0.21 J	0.064
Benzo(g,h,i)Perylene	500	100	0.086 J	0.12 J	0.032 J
Benzo(k)Fluoranthene	56	0.8	0.21 U	0.083 J	0.019 J
Benzyl Butyl Phthalate	NS	NS	2.1 U	2.9 U	0.083 J
Biphenyl (Diphenyl)	NS	NS	2.1 U	2.9 U	0.46 U
Bis(2-Chloroethoxy) Methane	NS	NS	2.1 U	2.9 U	0.46 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS	0.21 U	0.29 U	0.046 U
Bis(2-Chloroisopropyl) Ether	NS	NS	2.1 U	2.9 U	0.46 U
Bis(2-Ethylhexyl) Phthalate	NS	NS	16	18	0.39 J
Caprolactam	NS	NS	2.1 U	2.9 U	0.46 U
Carbazole	NS	NS	2.1 U	2.9 U	0.46 U
Chrysene	56	1	2.1 U	0.18 J	0.036 J
Dibenz(a,h)Anthracene	0.56	0.33	0.21 U	0.29 U	0.046 U
Dibenzofuran	350	7	2.1 U	2.9 U	0.46 U
Diethyl Phthalate	NS	NS	2.1 U	2.9 U	0.46 U
Dimethyl Phthalate	NS	NS	2.1 U	2.9 U	0.46 U
Di-N-Butyl Phthalate	NS	NS	2.1 U	2.9 U	0.024 J
Di-N-Octylphthalate	NS	NS	2.1 U	2.9 U	0.46 U
Fluoranthene	500	100	0.15 J	0.14 J	0.057 J
Fluorene	500	30	0.08 J	2.9 U	0.46 U
Hexachlorobenzene	6	0.33	0.21 U	0.29 U	0.046 U
Hexachlorobutadiene	NS	NS	0.44 U	0.59 U	0.094 U
Hexachlorocyclopentadiene	NS	NS	2.1 U	2.9 U	0.46 U
Hexachloroethane	NS	NS	0.21 U	0.29 U	0.046 U
Indeno(1,2,3-c,d)Pyrene	5.6	0.5	0.21 U	0.29 U	0.04 J
Isophorone	NS	NS	0.87 U	1.2 U	0.19 U
Naphthalene	500	12	9.1	2.6 J	0.46 U
Nitrobenzene	NS	NS	0.21 U	0.29 U	0.046 U
N-Nitrosodi-N-Propylamine	NS	NS	0.21 U	0.29 U	0.046 U
N-Nitrosodiphenylamine	NS	NS	2.1 U	2.9 U	0.46 U
Pentachlorophenol	6.7	0.8	1.7 U	2.3 U	0.37 U
Phenanthrene	500	100	0.12 J	2.9 U	0.041 J
Phenol	500	0.33	2.1 U	2.9 U	0.46 U
Pyrene	500	100	0.31 J	0.67 J	0.079 J

Table 3
Former T and J Salvage
2647 Stillwell Avenue, Brooklyn, NY
Remedial Investigation
Sediment Analytical Results for Metals

		AKRF Sample ID	RI-CB-03_20230504	RI-CB-04_20230504	RI-CB-04_20230504	RI-CB-05_20230504
		Laboratory Sample ID	460-279573-9	460-279573-10	460-279573-10	460-279573-11
		Date Sampled	5/04/2023	5/04/2023	5/04/2023	5/04/2023
		Dilution Factor	1	1	5	1
		Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC CSCO**	**NYSDEC UUSCO**	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	6,480	7,770	NR	6,830
Antimony	NS	NS	3.5	4.1	NR	1.4
Arsenic	**16**	**13**	6	**24.8**	NR	6.7
Barium	400	350	113	217	NR	154
Beryllium	590	7.2	0.46	0.65	NR	0.59
Cadmium	9.3	**2.5**	0.71 J	1.9	NR	**2.7**
Calcium	NS	NS	13,200	12,300	NR	18,700
Chromium, Total	NS	NS	121	131	NR	54.1
Cobalt	NS	NS	6.4	7.5	NR	5.6
Copper	270	**50**	**172**	**249**	NR	**102**
Iron	NS	NS	68.1 U	57,400	NR	34,800
Lead	1,000	**63**	**90.7**	NR	**145**	**148**
Magnesium	NS	NS	3,800	5,640	NR	4,710
Manganese	10,000	1,600	531	400	NR	319
Mercury	2.8	0.18	0.019 J	0.094	NR	0.055
Nickel	310	**30**	**46.4**	**101**	NR	**34.9**
Potassium	NS	NS	479	912	NR	708
Selenium	1,500	3.9	0.16 J	0.28 J	NR	0.22 J
Silver	1,500	**2**	**2.2**	**3.5**	NR	**2.2**
Sodium	NS	NS	167	241	NR	215
Thallium	NS	NS	0.051 J	NR	3.3 U	0.093 J
Vanadium	NS	NS	30.7	28.3	NR	19.5
Zinc	10,000	**109**	**974**	**1,340**	NR	**1,060**

Tables 1-3
Former T and J Salvage
2647 Stillwell Avenue, Brooklyn, NY
Remedial Investigation
Notes

DEFINITIONS

J : The concentration given is an estimated value.

NR : Not reported.

NS : No standard.

T : Indicates that a quality control parameter has exceeded laboratory limits.

U : The analyte was not detected at the indicated concentration.

mg/kg : milligrams per kilogram

STANDARDS

Part 375 Soil Cleanup Objectives : Soil Cleanup Objectives listed in New York State Department of Environmental Conservation (NYSDEC) "Part 375" Regulations [6 New York Codes, Rules and Regulations (NYCRR) Part 375].

Exceedances of Part 375 Commercial Soil Cleanup Objectives (CSCOs) are highlighted in gray shading.
Exceedances of Part 375 Unrestricted Use Soil Cleanup Objectives (UUSCOs) are highlighted in bold font.

APPENDIX A

PHOTOGRAPHIC LOG

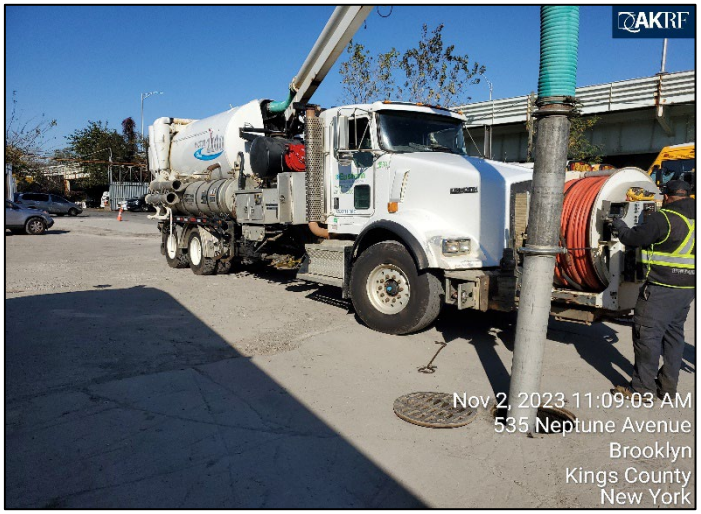
Photograph 1: View of Site, facing east.

Photograph 2: Catch basin cover during collection of sediment samples.

Photograph 3: Interior of catch basin prior to cleaning.

Photograph 4: Interior of catch basin prior to cleaning.

Photograph 5: Removal of standing liquids from catch basin prior to sediment removal.



Photograph 6: High-powered vacuum truck (guzzler) removing accumulated sediment from catch basin.

Photograph 7: Interior view of catch basin CB-02 after cleaning, with concrete and asphalt at the bottom.

Photograph 8: Interior view of catch basin CB-05 after cleaning, with concrete and rebar at the bottom.

APPENDIX B

AIR MONITORING LOGS

Air Monitoring Log

AKRF, Inc.

Project: 2647 Stillwell Ave.	**Client:**	**Date:** 10/ 2023	
Work Activity: Catch basin pumping / cleanout		**Logged By:** A. Cardenas	
		Job No: 220241	
Weather: 40-50°F Sunny	**Wind Direction:** NW	**Wind Speed:** 7mph	

TIME	LOCATION	PID (ppm)	DUST (mg/m³)	ODORS	COMMENTS (activity; work zone, upwind or downwind)
0930	CB-02	ND	0.026	None	BACKGROUND
1000	CB-02A1	0.1	0.020	None	Catch basin Vacing
1030	CB-01	0.2	0.024	None	"
1100	CB-02	0.2	0.027	None	Guzzler
1130	CB-02	0.2	0.031	None	"
1200	CB-02	0.2	0.024	None	"
1230	CB-01	0.2	0.027	None	"
1300	CB-01	0.2	0.021	None	"
1330	CB-03	0.2	0.024	None	"
1400	CB-03	0.2	0.023	None	"
1430	CB-03	0.2	0.027	None	"
1500	CB-03	0.1	0.029	None	"
1530	CB-03	0.1	0.024	None	"
1600	outside CB	0.1	0.017	None	"
1630	outside CB	0.2	0.023	None	"
1700	outside CB	0.1	0.024	None	"
1730	CB-05	0.1	0.022	None	"
1800	CB-05	0.1	0.015	None	"

Work Zone Action Levels	
PID	**DUST**
<5 ppm: Level D	<0.150 mg/m³ above background in breathing zone: level D
Between 5 ppm and 50 ppm: level C	
>50 ppm: STOP	>0.150 mg/m³ above background in breathing zone: Dust suppression

Community (Perimeter) Action Levels	
PID	**DUST**
>5 ppm above background: vapor suppression	>0.1 mg/m³ above background: dust suppression
>25 ppm above background: STOP	**>0.15 mg/m³ above background: STOP**

Air Monitoring Log

AKRF, Inc.

Project: 2647 Stillwell Ave	**Client:**	**Date:** 11/16/23	
Work Activity: Catch basin cleaning		**Logged By:** A. Cardenas	
		Job No:	
Weather: 55°F Fair	**Wind Direction:** NE	**Wind Speed:** 9 mph	

TIME	LOCATION	PID (ppm)	DUST (mg/m^3)	ODORS	COMMENTS (activity; work zone, upwind or downwind)
0700	Upwind	ND	0.027	None	BACKGROUND
0830	CB-05	ND	0.034	None	Catch basin cleaning/pumping
0900	CB-05	ND	0.025	None	"
0930	CB-05	ND	0.037	None	"
1000	CB-04	ND	0.053	None	"
1030	CB-04	ND	0.050	None	"

Work Zone Action Levels	
PID	**DUST**
<5 ppm: Level D	<0.150 mg/m^3 above background in breathing zone: level D
Between 5 ppm and 50 ppm: level C	
>50 ppm: STOP	>0.150 mg/m^3 above background in breathing zone: Dust suppression

Community (Perimeter) Action Levels	
PID	**DUST**
>5 ppm above background: vapor suppression	>0.1 mg/m^3 above background: dust suppression
>25 ppm above background: STOP	**>0.15 mg/m^3 above background: STOP**

APPENDIX C
DAILY REPORTS

Daily Activity Report

Former T&J Salvage
2647 Stillwell Avenue, Brooklyn, NY
BCP Site No. C224362

General Site Information

Date:	Friday, September 22, 2023
Weather:	Mostly cloudy 62-66° F
Wind Direction/Speed:	NE @ (8-18) mph
AKRF Personnel on Site:	Antonio Cardenas
AKRF CAMP Equipment on Site:	N/A
Visitors:	None

Contractor Information

Subcontractor	Service
N/A	N/A

Description and Location of Work Activities Performed

AKRF gauged the depth to water in nine on-site monitoring wells installed during the Phase II investigation and Remedial Investigation (RI). The depth measurements will be used to finalize a groundwater contour map for inclusion in the RI Report (RIR).

AKRF collected sediment samples from each ofthe six on-site stormwater catch basins for waste characterization purposes. The laboratory data will be used to support disposal facility applications for the disposal of the material during remedial activities that will be conducted under a NYSDEC-approved Interium Remedial Meassures (IRM) Work Plan.

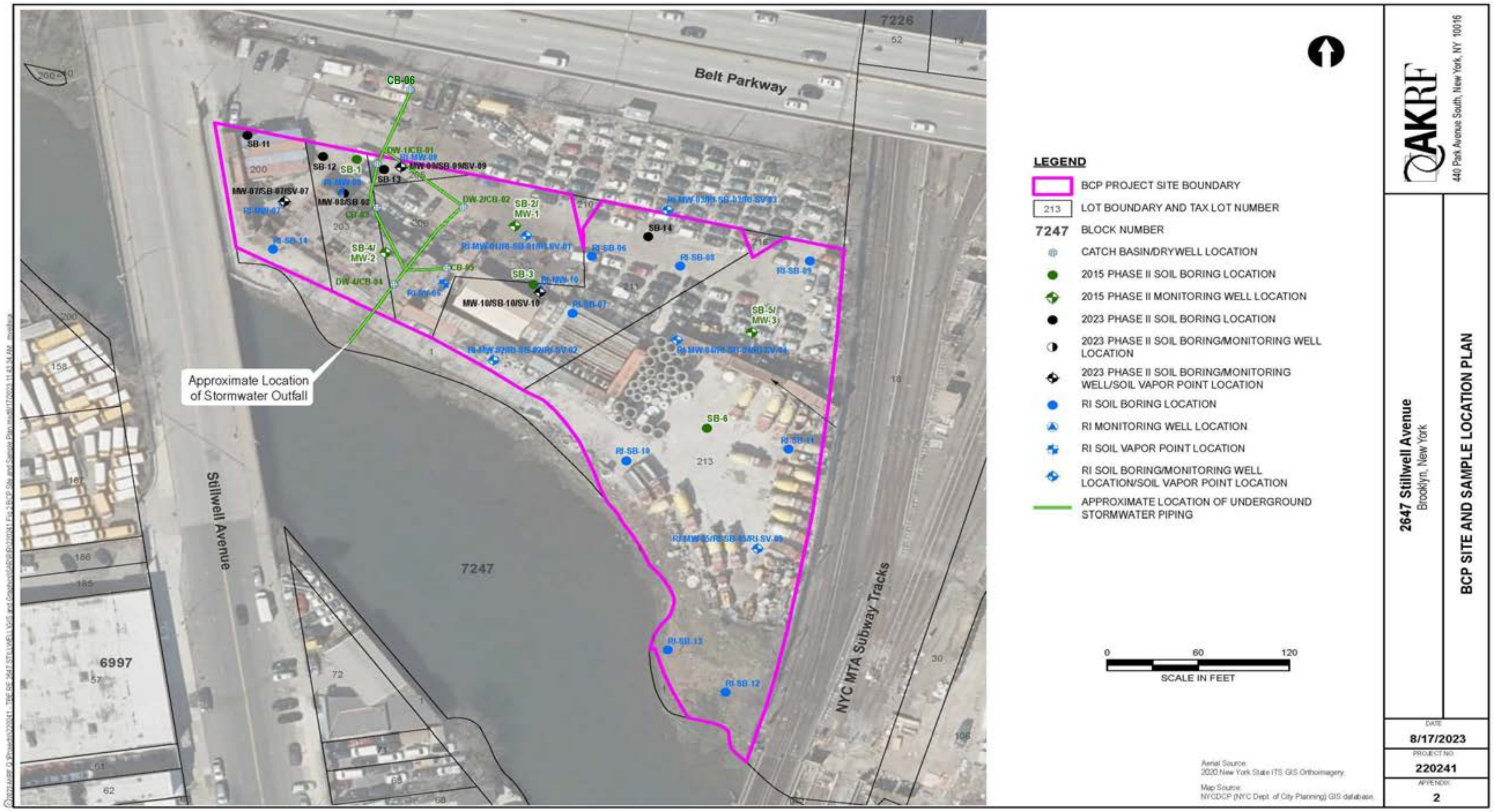
CAMP Air Monitoring Results

CAMP Station	UPWIND	DOWNWIND
Odors:	None	None
VOC Action Level Exceedance(s):	N/A	N/A
Particulate Action Level Exceedance(s):	N/A	N/A
Maximum VOC Level (ppm):	N/A	N/A
Maximum Particulate Level (mg/m³):	N/A	N/A

CAMP Response Actions: As no ground intrusive work was performed today on-site, CAMP monitoring was not conducted.

Additional Information

Planned Work Activity for Following Day/Week:	None. The catch basin cleaning and sediment disposal is anticipated for the 3rd quarter 2023, after NYSDEC approval of the IRM Work Plan.
Comments:	None.



Belt Parkway
Stillwell Avenue
NYC MTA Subway Tracks
7226
7247
6997
213
CB-06
SB-11
SB-12
SB-1
SB-13
SB-14
SB-2/
MW-1
SB-3
SB-4/
MW-2
SB-5/
MW-3
SB-6
MW-10/SB-10/SV-10
Approximate Location
of Stormwater Outfall
LEGEND
BCP PROJECT SITE BOUNDARY
LOT BOUNDARY AND TAX LOT NUMBER
BLOCK NUMBER
CATCH BASIN/DRYWELL LOCATION
2015 PHASE II SOIL BORING LOCATION
2015 PHASE II MONITORING WELL LOCATION
2023 PHASE II SOIL BORING LOCATION
2023 PHASE II SOIL BORING/MONITORING WELL LOCATION
2023 PHASE II SOIL BORING/MONITORING WELL/SOIL VAPOR POINT LOCATION
RI SOIL BORING LOCATION
RI MONITORING WELL LOCATION
RI SOIL VAPOR POINT LOCATION
RI SOIL BORING/MONITORING WELL LOCATION/SOIL VAPOR POINT LOCATION
APPROXIMATE LOCATION OF UNDERGROUND STORMWATER PIPING
0 60 120
SCALE IN FEET
Aerial Source:
2020 New York State ITS GIS Orthoimagery
Map Source:
NYCDCP (NYC Dept. of City Planning) GIS database
AKRF
440 Park Avenue South, New York, NY 10016
2647 Stillwell Avenue
Brooklyn, New York
BCP SITE AND SAMPLE LOCATION PLAN
DATE
8/17/2023
PROJECT NO.
220241
APPENDIX
2

Site Photographs	
Photograph 1 - View of the Site facing southeast.	
Photograph 2 - Monitoring well gauging.	
Photograph 3 - Interior view of catch basin.	

Daily Activity Report

Former T&J Salvage
2647 Stillwell Avenue, Brooklyn, NY
BCP Site No. C224362

General Site Information

Date:	Thursday, November 2, 2023
Weather:	Sunny 40-50° F
Wind Direction/Speed:	NW @ (5-10) mph
AKRF Personnel on Site:	Antonio Cardenas
AKRF CAMP Equipment on Site:	N/A
Visitors:	None

Contractor Information

Subcontractor	Service
Eastern Environmental Solutions Inc. (Eastern) Manorville, NY	Catch basin remediation

Description and Location of Work Activities Performed

Eastern Environmental utilized a pump truck and high-powered vacuum truck ("guzzler") to remove standing lidquids and accumulated sediment from catch basins CB-01, CB-02, CB-03, and CB-06. One truckload of sediment was disposed of at Posillico Materials, LLC in Farmingdale, NY and catch basin liquids and rinse water was disposed of at Clear Flo Technologies, Inc. in North Lindernhurst, New York.

After the removal of all accumulated sediment, AKRF inspected the bottom of each catch basin to ensure all accumulated sediment was removed. Upon inspection, it was confirmed that all accumulated sediment was removed but the bottoms of the catch basins were determined to contain concrete, rock, asphalt, and/or rebar.

AKRF conducted work zone monitoring for dust and vapor during the catch basin cleaning activities.

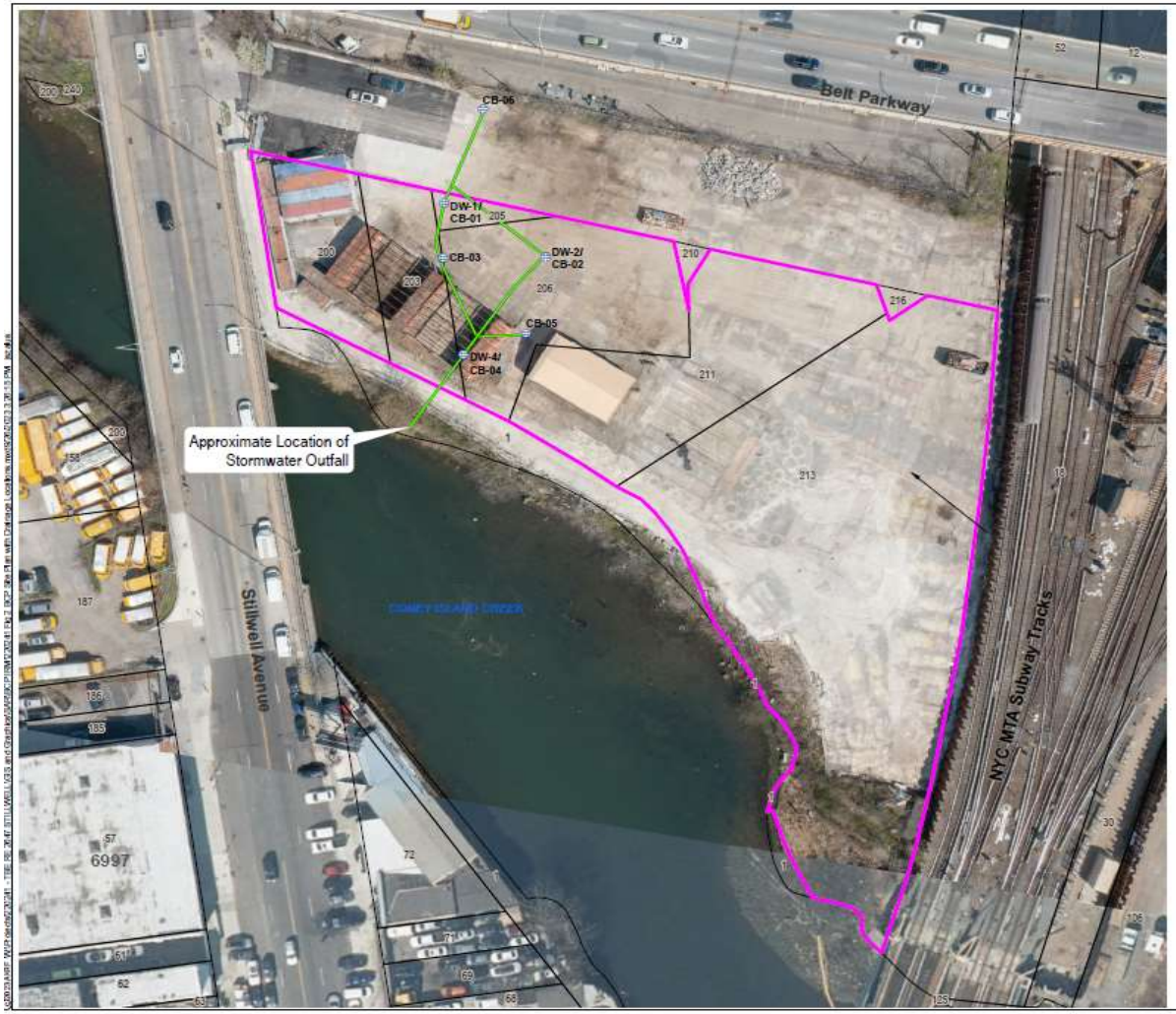
CAMP Air Monitoring Results

CAMP Station	UPWIND	DOWNWIND
Odors:	None	None
VOC Action Level Exceedance(s):	None	None
Particulate Action Level Exceedance(s):	N/A	N/A
Maximum VOC Level (ppm):	N/A	N/A
Maximum Particulate Level (mg/m³):	N/A	N/A

CAMP Response Actions: As no ground intrusive work was performed today on-site, CAMP monitoring was not conducted.

Additional Information

Planned Work Activity for Following Day/Week:	Clean out catch basins CB-04 and CB-05 is being arranged for next week.
Comments:	None. Manifests for the disposal activities will be provided to NYSDEC in an IRM Report after the last two drains are cleaned.



LEGEND

- BCP PROJECT SITE BOUNDARY
- 213 — LOT BOUNDARY AND TAX LOT NUMBER
- 7247 — BLOCK NUMBER
- CATCH BASIN/DRYWELL LOCATION
- ESTIMATED UNDERGROUND STORMWATER PIPING CONFIGURATION

0 60 120

SCALE IN FEET

Aerial Source:
April 2023 Drone Aerial

2020 New York State ITS GIS Orthoimagery.

Map Source:
NYCDCP (NYC Dept. of City Planning) GIS database.

AKRF
440 Park Avenue South, New York, NY 10016

2647 Stillwell Avenue
Brooklyn, New York

BCP SITE PLAN WITH DRAINAGE LOCATIONS

DATE
9/26/2023

PROJECT NO.
220241

FIGURE
2

Site Photographs	
Photograph 1 - Vacumm truck pumping liquids from CB-01.	
Photograph 2 - Guzzler truck extracting sediment from the bottom of CB-02.	
Photograph 3 - CB-02 cleared out with concrete and asphalt at the bottom.	

Daily Activity Report

Former T&J Salvage
2647 Stillwell Avenue, Brooklyn, NY
BCP Site No. C224362

General Site Information

Date:	Monday, November 6, 2023
Weather:	Fair 55˚ F
Wind Direction/Speed:	NE @ (5-10) mph
AKRF Personnel on Site:	Antonio Cardenas
AKRF CAMP Equipment on Site:	N/A
Visitors:	None

Contractor Information

Subcontractor	Service
Eastern Environmental Solutions Inc. (Eastern) Manorville, NY	Catch basin remediation

Description and Location of Work Activities Performed

Eastern utilized a pump truck and high-powered vacuum truck ("guzzler") to remove accumulated sediment from catch basins CB-04 and CB-05. One truckload of sediment and clean rinse water was disposed of at Posillico Materials, LLC in Farmingdale. No standing liquid was observed in the catch basins.

After pumping was completed, AKRF inspected the bottom of each catch basin to ensure all accumulated sediment was removed. Upon inspection, it was confirmed that all accumulated sediment was removed but the bottoms of the catch basins were determined to contain chunkcs of concrete, rock, asphalt, and/or pieces of rebar.

AKRF conducted work zone monitoring for dust and vapor during the catch basin cleaning activities.

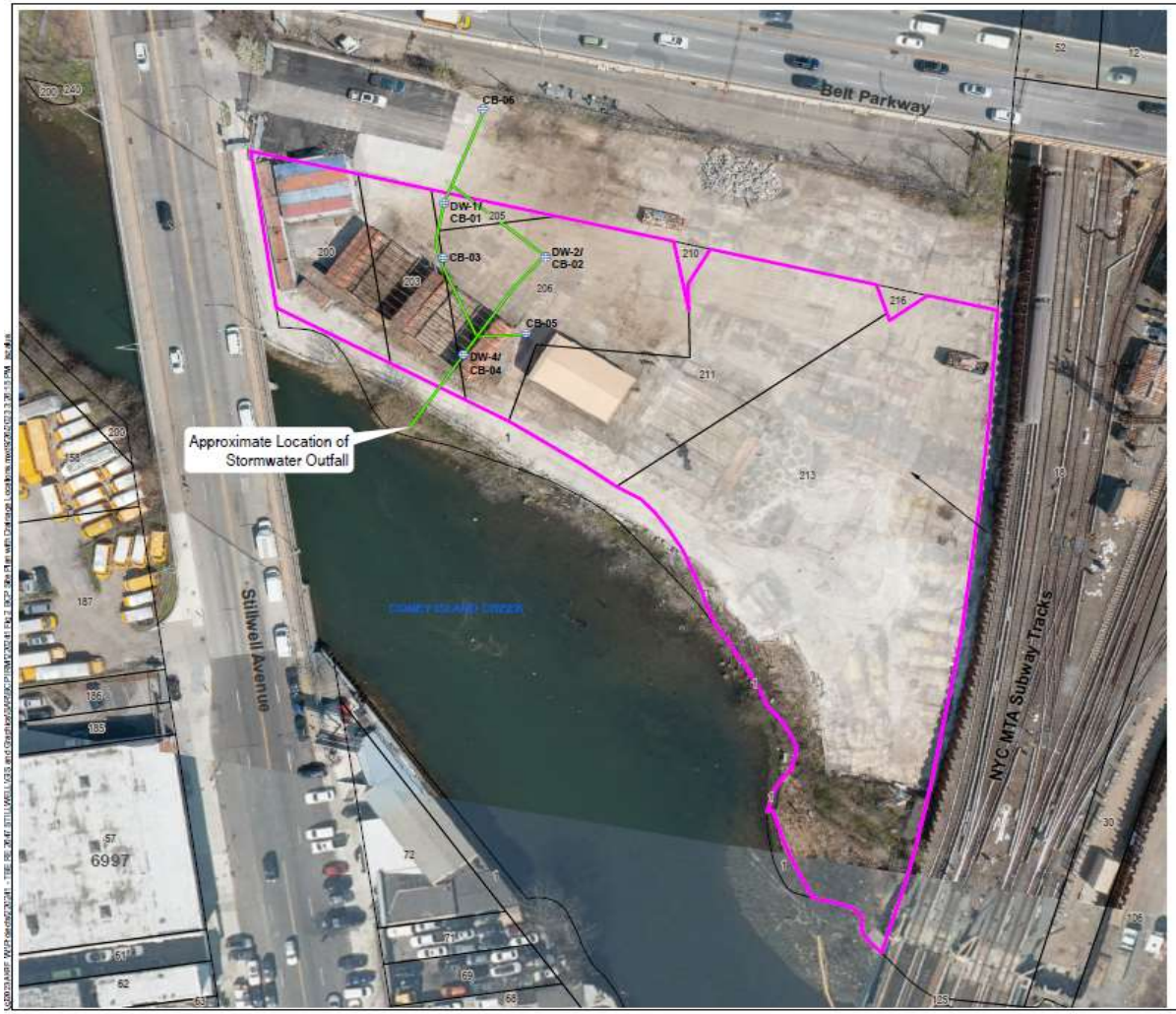
CAMP Air Monitoring Results

CAMP Station	UPWIND	DOWNWIND
Odors:	None	None
VOC Action Level Exceedance(s):	None	None
Particulate Action Level Exceedance(s):	N/A	N/A
Maximum VOC Level (ppm):	N/A	N/A
Maximum Particulate Level (mg/m³):	N/A	N/A

CAMP Response Actions: As no ground intrusive work was performed today on-site, CAMP monitoring was not conducted.

Additional Information

Planned Work Activity for Following Day/Week:	No further on-site field activities are planned at this time.
Comments:	None. Manifests for the disposal activities will be provided to NYSDEC in an IRM Report.



LEGEND

- BCP PROJECT SITE BOUNDARY
- 213 — LOT BOUNDARY AND TAX LOT NUMBER
- 7247 — BLOCK NUMBER
- CATCH BASIN/DRYWELL LOCATION
- ESTIMATED UNDERGROUND STORMWATER PIPING CONFIGURATION

0 60 120

SCALE IN FEET

Aerial Source:
April 2023 Drone Aerial

2020 New York State ITS GIS Orthoimagery.

Map Source:
NYCDCP (NYC Dept. of City Planning) GIS database.

AKRF
440 Park Avenue South, New York, NY 10016

2647 Stillwell Avenue
Brooklyn, New York

BCP SITE PLAN WITH DRAINAGE LOCATIONS

DATE
9/26/2023

PROJECT NO.
220241

FIGURE
2

Site Photographs	
Photograph 1 - Vacumm truck extracting material from catch basin CB-05.	
Photograph 2 - Guzzler truck extracting sediment from the bottom of catch basin CB-04.	
Photograph 3 - View of catch basin CB-05 following removal of accumulated sediment. Concrete and asphalt are observed at the bottom.	

APPENDIX D

WASTE CHARACTERIZATION ANALYTICAL RESULTS

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Adrianna Bosco
AKRF Inc
440 Park Avenue South
7th Floor
New York, New York 10016

Generated 9/29/2023 7:35:11 AM

JOB DESCRIPTION

2647 Stillwell Ave, Brooklyn

JOB NUMBER

460-288831-1

Eurofins Edison
777 New Durham Road
Edison NJ 08817

See page two for job notes and contact information.

Eurofins Edison

Job Notes

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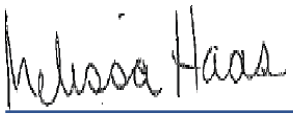
Compliance Statement

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Authorization



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Authorized for release by
Melissa Haas, Senior Project Manager
Melissa.Haas@et.eurofinsus.com
(203)308-0880

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Indicates an estimated value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
*	MS or MSD is outside acceptance limits.
E	Compound concentration exceeds the upper level of the calibration range of the instrument for that specific analysis.
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
A	The tentatively identified compound is a suspected aldol-condensation product.
J	Indicates an estimated value.
N	This flag indicates the presumptive evidence of a compound.

GC VOA

Qualifier	Qualifier Description
U	Analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*	MS or MSD is outside acceptance limits.
*	Surrogate is outside acceptance limits.
U	Analyzed for but not detected.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
J	Sample result is greater than the MDL but below the CRDL
U	Indicates analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.
J	Sample result is greater than the MDL but below the CRDL
N	Spiked sample recovery is not within control limits.
U	Indicates analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 460-288831-1

Laboratory: Eurofins Edison

Narrative

CASE NARRATIVE

Client: AKRF Inc

Project: 2647 Stillwell Ave, Brooklyn

Report Number: 460-288831-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 09/22/2023; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 1.2 C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

VOLATILE ORGANIC COMPOUNDS (GC/MS)

Sample WC-CB-G_20230922 (460-288831-1) was analyzed for Volatile Organic Compounds (GC/MS) in accordance with EPA SW-846 Method 8260D. The samples were prepared on 09/23/2023 and analyzed on 09/26/2023.

The continuing calibration verification (CCV) associated with batch 460-934427 recovered above the upper control limit for 1,1,2-Trichloro-1,2,2-trifluoroethane. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported.

No other difficulties were encountered during the Volatiles analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS)

Sample WC-CB-C_20230922 (460-288831-2) was analyzed for semivolatile organic compounds (GC/MS) in accordance with EPA SW-846 Method 8270E. The samples were prepared on 09/24/2023 and analyzed on 09/25/2023.

The continuing calibration verification (CCV) analyzed in batch 460-934123 was outside the method criteria for the following analyte(s): Benzaldehyde. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Job ID: 460-288831-1 (Continued)

Laboratory: Eurofins Edison (Continued)

The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for preparation batch 460-934056 and analytical batch 460-934123 recovered outside control limits for the following analyte(s): 2,4-Dimethylphenol and Hexachlorocyclopentadiene. These analytes have been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

2,4-Dimethylphenol and Hexachlorocyclopentadiene failed the recovery criteria low for the MS of sample 460-288839-13 in batch 460-934123.

2,4-Dimethylphenol and Hexachlorocyclopentadiene failed the recovery criteria low for the MSD of sample 460-288839-13 in batch 460-934123.

No other difficulties were encountered during the semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

GASOLINE RANGE ORGANICS

Sample WC-CB-G_20230922 (460-288831-1) was analyzed for gasoline range organics in accordance with EPA SW-846 Method 8015D - GRO. The samples were prepared on 09/23/2023 and analyzed on 09/25/2023.

No difficulties were encountered during the GRO analysis.

All quality control parameters were within the acceptance limits.

DIESEL RANGE ORGANICS

Sample WC-CB-C_20230922 (460-288831-2) was analyzed for diesel range organics in accordance with EPA SW-846 Method 8015D - DRO. The samples were prepared on 09/25/2023 and analyzed on 09/28/2023.

o-Terphenyl failed the surrogate recovery criteria low for WC-CB-C_20230922 (460-288831-2).

Sample WC-CB-C_20230922 (460-288831-2)[50X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the DRO analysis.

All other quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS

Sample WC-CB-C_20230922 (460-288831-2) was analyzed for polychlorinated biphenyls in accordance with EPA SW-846 Method 8082A. The samples were prepared on 09/23/2023 and analyzed on 09/25/2023.

Aroclor 1016 and Aroclor 1260 failed the recovery criteria high for the MSD of sample 460-288605-2 in batch 460-934213.

No other difficulties were encountered during the PCBs analysis.

All other quality control parameters were within the acceptance limits.

METALS - TCLP

Sample WC-CB-C_20230922 (460-288831-2) was analyzed for Metals - TCLP in accordance with EPA SW-846 Method 6020B - TCLP/1311. The samples were leached on 09/26/2023, and prepared and analyzed on 09/27/2023.

No difficulties were encountered during the TCLP Metals analysis.

All quality control parameters were within the acceptance limits.

METALS - TOTAL (ICP/MS)

Job ID: 460-288831-1 (Continued)

Laboratory: Eurofins Edison (Continued)

Sample WC-CB-C_20230922 (460-288831-2) was analyzed for Metals - Total (ICP/MS) in accordance with EPA SW-846 Method 6020B - Total. The samples were prepared on 09/24/2023 and analyzed on 09/25/2023.

Chromium failed the recovery criteria high for the MS of sample 460-288711-4 in batch 460-934300.

The following sample was diluted due to the nature of the sample matrix: WC-CB-C_20230922 (460-288831-2). Elevated reporting limits (RLs) are provided.

No other difficulties were encountered during the metals analysis.

All other quality control parameters were within the acceptance limits.

MERCURY - TCLP

Sample WC-CB-C_20230922 (460-288831-2) was analyzed for Mercury - TCLP in accordance with EPA SW-846 Methods 1311/7470A. The samples were leached on 09/26/2023, and prepared and analyzed on 09/27/2023.

Mercury was detected in method blank LB 460-934520/1-C at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

No other difficulties were encountered during the TCLP Hg analysis.

All other quality control parameters were within the acceptance limits.

MERCURY - TOTAL

Sample WC-CB-C_20230922 (460-288831-2) was analyzed for Mercury - Total in accordance with EPA SW-846 Method 7471B. The samples were prepared and analyzed on 09/27/2023.

No difficulties were encountered during the Hg analysis.

All quality control parameters were within the acceptance limits.

IGNITABILITY

Sample WC-CB-C_20230922 (460-288831-2) was analyzed for Ignitability in accordance with EPA SW-846 Method 1030. The samples were analyzed on 09/27/2023.

No difficulties were encountered during the Ignitability analysis.

All quality control parameters were within the acceptance limits.

TOTAL CYANIDE

Sample WC-CB-C_20230922 (460-288831-2) was analyzed for total cyanide in accordance with EPA SW-846 Method 9012B. The samples were prepared and analyzed on 09/28/2023.

Cyanide, Total failed the recovery criteria high for the MSD of sample 460-288827-1 in batch 460-935027.

No other difficulties were encountered during the cyanide analysis.

All other quality control parameters were within the acceptance limits.

REACTIVE CYANIDE

Sample WC-CB-C_20230922 (460-288831-2) was analyzed for reactive cyanide in accordance with EPA SW-846 Method 7.3.3/9014. The samples were prepared and analyzed on 09/28/2023.

No difficulties were encountered during the reactive cyanide analysis.

Job ID: 460-288831-1 (Continued)

Laboratory: Eurofins Edison (Continued)

All quality control parameters were within the acceptance limits.

REACTIVE SULFIDE

Sample WC-CB-C_20230922 (460-288831-2) was analyzed for reactive sulfide in accordance with EPA SW-846 Method 7.3.4/9034. The samples were prepared and analyzed on 09/28/2023.

No difficulties were encountered during the reactive sulfide analysis.

All quality control parameters were within the acceptance limits.

CORROSIVITY (PH)

Sample WC-CB-C_20230922 (460-288831-2) was analyzed for corrosivity (pH) in accordance with EPA SW-846 Method 9045D. The samples were analyzed on 09/28/2023.

This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following samples has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: WC-CB-C_20230922 (460-288831-2) and (460-288831-C-2 DU).

No difficulties were encountered during the corrosivity (pH) analysis.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS/PERCENT MOISTURE

Samples WC-CB-G_20230922 (460-288831-1) and WC-CB-C_20230922 (460-288831-2) were analyzed for percent solids/percent moisture in accordance with EPA Method CLPISM01.2 (Exhibit D) Modified. The samples were analyzed on 09/25/2023.

No difficulties were encountered during the %solids/moisture analysis.

All quality control parameters were within the acceptance limits.

Detection Summary

Client: AKRF Inc
Project/Site: 2647 Stillwell Ave, Brooklyn

Job ID: 460-288831-1

Client Sample ID: WC-CB-G_20230922 — Lab Sample ID: 460-288831-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	0.010		0.0097	0.00071	mg/Kg	1	☼	8260D	Total/NA
Acetone	0.033		0.012	0.011	mg/Kg	1	☼	8260D	Total/NA
Benzene	0.00094	J	0.0019	0.00050	mg/Kg	1	☼	8260D	Total/NA
Ethylbenzene	0.0015	J	0.0019	0.00039	mg/Kg	1	☼	8260D	Total/NA
m-Xylene & p-Xylene	0.0027		0.0019	0.00034	mg/Kg	1	☼	8260D	Total/NA
o-Xylene	0.0012	J	0.0019	0.00038	mg/Kg	1	☼	8260D	Total/NA
Styrene	0.00059	J	0.0019	0.00054	mg/Kg	1	☼	8260D	Total/NA
TBA	0.015	J	0.019	0.015	mg/Kg	1	☼	8260D	Total/NA
Toluene	0.0016	J	0.0019	0.00045	mg/Kg	1	☼	8260D	Total/NA
GRO	8.2		4.6	4.6	mg/Kg	50	☼	8015D	Total/NA

Client Sample ID: WC-CB-C_20230922 — Lab Sample ID: 460-288831-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.025	J	0.46	0.013	mg/Kg	1	☼	8270E	Total/NA
Acetophenone	0.048	J	0.46	0.023	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.063		0.046	0.035	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.042	J	0.046	0.012	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.086		0.046	0.012	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.051	J	0.46	0.014	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.022	J	0.046	0.0090	mg/Kg	1	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	2.3		0.46	0.024	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.13	J	0.46	0.019	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.068	J	0.46	0.016	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.046		0.046	0.018	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.016	J	0.46	0.0080	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.061	J	0.46	0.019	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.36	J	0.46	0.011	mg/Kg	1	☼	8270E	Total/NA
C10-C44	7400		600	38	mg/Kg	50	☼	8015D	Total/NA
Arsenic	8.5		2.1	0.22	mg/Kg	2	☼	6020B	Total/NA
Barium	123		4.3	0.31	mg/Kg	2	☼	6020B	Total/NA
Cadmium	0.66	J	2.1	0.24	mg/Kg	2	☼	6020B	Total/NA
Chromium	116		4.3	1.9	mg/Kg	2	☼	6020B	Total/NA
Lead	83.0		1.3	0.43	mg/Kg	2	☼	6020B	Total/NA
Silver	1.3		0.86	0.19	mg/Kg	2	☼	6020B	Total/NA
Barium	592		40.0	9.1	ug/L	10		6020B	TCLP
Mercury	1.8		0.20	0.091	ug/L	1		7470A	TCLP
Mercury	0.15		0.022	0.010	mg/Kg	1	☼	7471B	Total/NA
Cyanide, Total	0.18	J	0.33	0.18	mg/Kg	1	☼	9012B	Total/NA
pH	7.5	HF			SU	1		9045D	Total/NA
Temperature	20.8	HF			Degrees C	1		9045D	Total/NA
Corrosivity	7.5	HF			SU	1		9045D	Total/NA

This Detection Summary does not include radiochemical test results.

Client: AKRF Inc
Project/Site: 2647 Stillwell Ave, Brooklyn

Job ID: 460-288831-1

Client Sample ID: WC-CB-G_20230922
Date Collected: 09/22/23 10:30
Date Received: 09/22/23 19:00

Lab Sample ID: 460-288831-1
Matrix: Solid
Percent Solids: 68.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0019	U	0.0019	0.00045	mg/Kg	☼	09/23/23 13:09	09/26/23 10:58	1
1,1,2,2-Tetrachloroethane	0.0019	U	0.0019	0.00042	mg/Kg	☼	09/23/23 13:09	09/26/23 10:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0019	U	0.0019	0.00058	mg/Kg	☼	09/23/23 13:09	09/26/23 10:58	1
1,1,2-Trichloroethane	0.0019	U	0.0019	0.00035	mg/Kg	☼	09/23/23 13:09	09/26/23 10:58	1
1,1-Dichloroethane	0.0019	U	0.0019	0.00040	mg/Kg	☼	09/23/23 13:09	09/26/23 10:58	1
1,1-Dichloroethene	0.0019	U	0.0019	0.00044	mg/Kg	☼	09/23/23 13:09	09/26/23 10:58	1
1,2,3-Trichlorobenzene	0.0019	U	0.0019	0.00035	mg/Kg	☼	09/23/23 13:09	09/26/23 10:58	1
1,2,4-Trichlorobenzene	0.0019	U	0.0019	0.00069	mg/Kg	☼	09/23/23 13:09	09/26/23 10:58	1
1,2-Dibromo-3-Chloropropane	0.0019	U	0.0019	0.00089	mg/Kg	☼	09/23/23 13:09	09/26/23 10:58	1
1,2-Dichlorobenzene	0.0019	U	0.0019	0.00070	mg/Kg	☼	09/23/23 13:09	09/26/23 10:58	1
1,2-Dichloroethane	0.0019	U	0.0019	0.00057	mg/Kg	☼	09/23/23 13:09	09/26/23 10:58	1
1,2-Dichloropropane	0.0019	U	0.0019	0.00082	mg/Kg	☼	09/23/23 13:09	09/26/23 10:58	1
1,3-Dichlorobenzene	0.0019	U	0.0019	0.00071	mg/Kg	☼	09/23/23 13:09	09/26/23 10:58	1
1,4-Dichlorobenzene	0.0019	U	0.0019	0.00044	mg/Kg	☼	09/23/23 13:09	09/26/23 10:58	1
2-Butanone (MEK)	**0.010**		0.0097	0.00071	mg/Kg	☼	09/23/23 13:09	09/26/23 10:58	1
2-Hexanone	0.0097	U	0.0097	0.0033	mg/Kg	☼	09/23/23 13:09	09/26/23 10:58	1
4-Methyl-2-pentanone (MIBK)	0.0097	U	0.0097	0.0030	mg/Kg	☼	09/23/23 13:09	09/26/23 10:58	1
Acetone	**0.033**		0.012	0.011	mg/Kg	☼	09/23/23 13:09	09/26/23 10:58	1
Acrolein	0.19	U	0.19	0.054	mg/Kg	☼	09/23/23 13:09	09/26/23 10:58	1
Acrylonitrile	0.019	U	0.019	0.0094	mg/Kg	☼	09/23/23 13:09	09/26/23 10:58	1
Benzene	**0.00094**	**J**	0.0019	0.00050	mg/Kg	☼	09/23/23 13:09	09/26/23 10:58	1
Bromoform	0.0019	U	0.0019	0.00082	mg/Kg	☼	09/23/23 13:09	09/26/23 10:58	1
Bromomethane	0.0039	U	0.0039	0.0019	mg/Kg	☼	09/23/23 13:09	09/26/23 10:58	1
Carbon disulfide	0.0019	U	0.0019	0.00052	mg/Kg	☼	09/23/23 13:09	09/26/23 10:58	1
Carbon tetrachloride	0.0019	U	0.0019	0.00075	mg/Kg	☼	09/23/23 13:09	09/26/23 10:58	1
Chlorobenzene	0.0019	U	0.0019	0.00034	mg/Kg	☼	09/23/23 13:09	09/26/23 10:58	1
Chlorobromomethane	0.0019	U	0.0019	0.00055	mg/Kg	☼	09/23/23 13:09	09/26/23 10:58	1
Chlorodibromomethane	0.0019	U	0.0019	0.00038	mg/Kg	☼	09/23/23 13:09	09/26/23 10:58	1
Chloroethane	0.0019	U	0.0019	0.0010	mg/Kg	☼	09/23/23 13:09	09/26/23 10:58	1
Chloroform	0.0019	U	0.0019	0.0019	mg/Kg	☼	09/23/23 13:09	09/26/23 10:58	1
Chloromethane	0.0019	U	0.0019	0.00084	mg/Kg	☼	09/23/23 13:09	09/26/23 10:58	1
cis-1,2-Dichloroethene	0.0019	U	0.0019	0.00069	mg/Kg	☼	09/23/23 13:09	09/26/23 10:58	1
cis-1,3-Dichloropropene	0.0019	U	0.0019	0.00053	mg/Kg	☼	09/23/23 13:09	09/26/23 10:58	1
Cyclohexane	0.0019	U	0.0019	0.00043	mg/Kg	☼	09/23/23 13:09	09/26/23 10:58	1
Dichlorobromomethane	0.0019	U	0.0019	0.00050	mg/Kg	☼	09/23/23 13:09	09/26/23 10:58	1
Dichlorodifluoromethane	0.0019	U	0.0019	0.00066	mg/Kg	☼	09/23/23 13:09	09/26/23 10:58	1
Ethylbenzene	**0.0015**	**J**	0.0019	0.00039	mg/Kg	☼	09/23/23 13:09	09/26/23 10:58	1
Ethylene Dibromide	0.0019	U	0.0019	0.00035	mg/Kg	☼	09/23/23 13:09	09/26/23 10:58	1
Isopropylbenzene	0.0019	U	0.0019	0.00055	mg/Kg	☼	09/23/23 13:09	09/26/23 10:58	1
Methyl acetate	0.0097	U	0.0097	0.0083	mg/Kg	☼	09/23/23 13:09	09/26/23 10:58	1
Methyl tert-butyl ether	0.0019	U	0.0019	0.00099	mg/Kg	☼	09/23/23 13:09	09/26/23 10:58	1
Methylcyclohexane	0.0019	U	0.0019	0.00097	mg/Kg	☼	09/23/23 13:09	09/26/23 10:58	1
Methylene Chloride	0.0039	U	0.0039	0.0022	mg/Kg	☼	09/23/23 13:09	09/26/23 10:58	1
m-Xylene & p-Xylene	**0.0027**		0.0019	0.00034	mg/Kg	☼	09/23/23 13:09	09/26/23 10:58	1
o-Xylene	**0.0012**	**J**	0.0019	0.00038	mg/Kg	☼	09/23/23 13:09	09/26/23 10:58	1
Styrene	**0.00059**	**J**	0.0019	0.00054	mg/Kg	☼	09/23/23 13:09	09/26/23 10:58	1
TBA	**0.015**	**J**	0.019	0.015	mg/Kg	☼	09/23/23 13:09	09/26/23 10:58	1
Tetrachloroethene	0.0019	U	0.0019	0.00059	mg/Kg	☼	09/23/23 13:09	09/26/23 10:58	1
Toluene	**0.0016**	**J**	0.0019	0.00045	mg/Kg	☼	09/23/23 13:09	09/26/23 10:58	1

Client Sample ID: WC-CB-G_20230922
Lab Sample ID: 460-288831-1
Date Collected: 09/22/23 10:30
Matrix: Solid
Date Received: 09/22/23 19:00
Percent Solids: 68.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	0.0019	U	0.0019	0.00048	mg/Kg	☼	09/23/23 13:09	09/26/23 10:58	1
trans-1,3-Dichloropropene	0.0019	U	0.0019	0.00052	mg/Kg	☼	09/23/23 13:09	09/26/23 10:58	1
Trichloroethene	0.0019	U	0.0019	0.00062	mg/Kg	☼	09/23/23 13:09	09/26/23 10:58	1
Trichlorofluoromethane	0.0019	U	0.0019	0.00079	mg/Kg	☼	09/23/23 13:09	09/26/23 10:58	1
Vinyl chloride	0.0019	U	0.0019	0.0011	mg/Kg	☼	09/23/23 13:09	09/26/23 10:58	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*0.038*	*J*	*mg/Kg*	☼	*10.66*	*N/A*	*09/23/23 13:09*	*09/26/23 10:58*	*1*
Unknown	*0.12*	*J*	*mg/Kg*	☼	*10.86*	*N/A*	*09/23/23 13:09*	*09/26/23 10:58*	*1*
Unknown	*0.11*	*J*	*mg/Kg*	☼	*11.07*	*N/A*	*09/23/23 13:09*	*09/26/23 10:58*	*1*
Unknown	*0.092*	*J*	*mg/Kg*	☼	*11.11*	*N/A*	*09/23/23 13:09*	*09/26/23 10:58*	*1*
Unknown	*0.059*	*J*	*mg/Kg*	☼	*11.26*	*N/A*	*09/23/23 13:09*	*09/26/23 10:58*	*1*
Unknown	*0.040*	*J*	*mg/Kg*	☼	*11.65*	*N/A*	*09/23/23 13:09*	*09/26/23 10:58*	*1*
Unknown	*0.042*	*J*	*mg/Kg*	☼	*11.77*	*N/A*	*09/23/23 13:09*	*09/26/23 10:58*	*1*
Unknown	*0.14*	*J*	*mg/Kg*	☼	*12.02*	*N/A*	*09/23/23 13:09*	*09/26/23 10:58*	*1*
Unknown	*0.036*	*J*	*mg/Kg*	☼	*12.78*	*N/A*	*09/23/23 13:09*	*09/26/23 10:58*	*1*
Unknown	*0.034*	*J*	*mg/Kg*	☼	*13.28*	*N/A*	*09/23/23 13:09*	*09/26/23 10:58*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*72 - 138*	*09/23/23 13:09*	*09/26/23 10:58*	*1*
4-Bromofluorobenzene	*94*		*63 - 139*	*09/23/23 13:09*	*09/26/23 10:58*	*1*
Dibromofluoromethane (Surr)	*112*		*54 - 150*	*09/23/23 13:09*	*09/26/23 10:58*	*1*
Toluene-d8 (Surr)	*110*		*71 - 126*	*09/23/23 13:09*	*09/26/23 10:58*	*1*

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO	**8.2**		4.6	4.6	mg/Kg	☼	09/23/23 13:15	09/25/23 14:00	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*135*		*80 - 150*	*09/23/23 13:15*	*09/25/23 14:00*	*50*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**31.5**		1.0	1.0	%			09/25/23 09:11	1
Percent Solids (EPA Moisture)	**68.5**		1.0	1.0	%			09/25/23 09:11	1

Client Sample ID: WC-CB-C_20230922
Lab Sample ID: 460-288831-2
Date Collected: 09/22/23 10:35
Matrix: Solid
Date Received: 09/22/23 19:00
Percent Solids: 71.7

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.46	U	0.46	0.016	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
1,2,4,5-Tetrachlorobenzene	0.46	U	0.46	0.014	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
1,2-Diphenylhydrazine	0.46	U	0.46	0.018	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
1,4-Dioxane	0.046	U	0.046	0.040	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
2,2'-oxybis[1-chloropropane]	0.46	U	0.46	0.028	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
2,3,4,6-Tetrachlorophenol	0.46	U	0.46	0.031	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
2,4,5-Trichlorophenol	0.46	U	0.46	0.047	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
2,4,6-Trichlorophenol	0.19	U	0.19	0.059	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
2,4-Dichlorophenol	0.19	U	0.19	0.030	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1

Client Sample ID: WC-CB-C_20230922
Lab Sample ID: 460-288831-2
Date Collected: 09/22/23 10:35
Matrix: Solid
Date Received: 09/22/23 19:00
Percent Solids: 71.7

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	0.46	U *	0.46	0.055	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
2,4-Dinitrophenol	0.37	U	0.37	0.23	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
2,4-Dinitrotoluene	0.093	U	0.093	0.050	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
2,6-Dinitrotoluene	0.093	U	0.093	0.033	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
2-Chloronaphthalene	0.46	U	0.46	0.021	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
2-Chlorophenol	0.46	U	0.46	0.016	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
2-Methylnaphthalene	**0.025**	**J**	0.46	0.013	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
2-Methylphenol	0.46	U	0.46	0.017	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
2-Nitroaniline	0.46	U	0.46	0.035	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
2-Nitrophenol	0.46	U	0.46	0.046	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
3,3'-Dichlorobenzidine	0.19	U	0.19	0.070	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
3-Nitroaniline	0.46	U	0.46	0.11	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
4,6-Dinitro-2-methylphenol	0.37	U	0.37	0.19	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
4-Bromophenyl phenyl ether	0.46	U	0.46	0.018	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
4-Chloro-3-methylphenol	0.46	U	0.46	0.026	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
4-Chloroaniline	0.46	U	0.46	0.082	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
4-Chlorophenyl phenyl ether	0.46	U	0.46	0.016	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
4-Methylphenol	0.46	U	0.46	0.029	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
4-Nitroaniline	0.46	U	0.46	0.053	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
4-Nitrophenol	0.93	U	0.93	0.075	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
Acenaphthene	0.46	U	0.46	0.013	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
Acenaphthylene	0.46	U	0.46	0.013	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
Acetophenone	**0.048**	**J**	0.46	0.023	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
Anthracene	0.46	U	0.46	0.014	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
Atrazine	0.19	U	0.19	0.027	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
Benzaldehyde	0.46	U	0.46	0.076	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
Benzidine	0.46	U	0.46	0.097	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
Benzo[a]anthracene	**0.063**		0.046	0.035	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
Benzo[a]pyrene	**0.042**	**J**	0.046	0.012	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
Benzo[b]fluoranthene	**0.086**		0.046	0.012	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
Benzo[g,h,i]perylene	**0.051**	**J**	0.46	0.014	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
Benzo[k]fluoranthene	**0.022**	**J**	0.046	0.0090	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
Bis(2-chloroethoxy)methane	0.46	U	0.46	0.036	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
Bis(2-chloroethyl)ether	0.046	U	0.046	0.016	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
Bis(2-ethylhexyl) phthalate	**2.3**		0.46	0.024	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
Butyl benzyl phthalate	0.46	U	0.46	0.022	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
Caprolactam	0.46	U	0.46	0.072	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
Carbazole	0.46	U	0.46	0.018	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
Chrysene	**0.13**	**J**	0.46	0.019	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
Dibenz(a,h)anthracene	0.046	U	0.046	0.020	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
Dibenzofuran	0.46	U	0.46	0.015	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
Diethyl phthalate	0.46	U	0.46	0.015	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
Dimethyl phthalate	0.46	U	0.46	0.10	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
Di-n-butyl phthalate	0.46	U	0.46	0.017	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
Di-n-octyl phthalate	0.46	U	0.46	0.024	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
Fluoranthene	**0.068**	**J**	0.46	0.016	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
Fluorene	0.46	U	0.46	0.013	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
Hexachlorobenzene	0.046	U	0.046	0.022	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
Hexachlorobutadiene	0.093	U	0.093	0.0098	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1

Client Sample ID: WC-CB-C_20230922

Date Collected: 09/22/23 10:35
Date Received: 09/22/23 19:00

Lab Sample ID: 460-288831-2

Matrix: Solid
Percent Solids: 71.7

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	0.46	U *	0.46	0.040	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
Hexachloroethane	0.046	U	0.046	0.016	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
Indeno[1,2,3-cd]pyrene	**0.046**		0.046	0.018	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
Isophorone	0.19	U	0.19	0.13	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
Naphthalene	**0.016**	**J**	0.46	0.0080	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
Nitrobenzene	0.046	U	0.046	0.026	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
N-Nitrosodi-n-propylamine	0.046	U	0.046	0.033	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
N-Nitrosodiphenylamine	0.46	U	0.46	0.038	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
Pentachlorophenol	0.37	U	0.37	0.095	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
Phenanthrene	**0.061**	**J**	0.46	0.019	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
Phenol	0.46	U	0.46	0.017	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
Pyrene	**0.36**	**J**	0.46	0.011	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1
Pyridine	0.46	U	0.46	0.066	mg/Kg	☼	09/24/23 07:14	09/25/23 01:13	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*0.50*	*A J*	*mg/Kg*	☼	*2.84*	*N/A*	*09/24/23 07:14*	*09/25/23 01:13*	*1*
Phthalic anhydride	*0.46*	*J N*	*mg/Kg*	☼	*6.36*	*85-44-9*	*09/24/23 07:14*	*09/25/23 01:13*	*1*
Dodecane, 2,6,10-trimethyl-	*0.83*	*J N*	*mg/Kg*	☼	*8.22*	*3891-98-3*	*09/24/23 07:14*	*09/25/23 01:13*	*1*
2-Propenoic acid, 2-methyl-, dodecyl ester	*0.89*	*J N*	*mg/Kg*	☼	*8.52*	*142-90-5*	*09/24/23 07:14*	*09/25/23 01:13*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*68*		*24 - 137*	*09/24/23 07:14*	*09/25/23 01:13*	*1*
2-Fluorobiphenyl	*81*		*48 - 120*	*09/24/23 07:14*	*09/25/23 01:13*	*1*
2-Fluorophenol (Surr)	*80*		*31 - 120*	*09/24/23 07:14*	*09/25/23 01:13*	*1*
Nitrobenzene-d5 (Surr)	*79*		*38 - 120*	*09/24/23 07:14*	*09/25/23 01:13*	*1*
Phenol-d5 (Surr)	*83*		*39 - 120*	*09/24/23 07:14*	*09/25/23 01:13*	*1*
Terphenyl-d14 (Surr)	*87*		*25 - 126*	*09/24/23 07:14*	*09/25/23 01:13*	*1*

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C44	**7400**		600	38	mg/Kg	☼	09/25/23 21:12	09/28/23 12:42	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*	*10 - 150*	*09/25/23 21:12*	*09/28/23 12:42*	*50*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.093	U	0.093	0.025	mg/Kg	☼	09/23/23 23:08	09/25/23 16:04	1
Aroclor 1221	0.093	U	0.093	0.025	mg/Kg	☼	09/23/23 23:08	09/25/23 16:04	1
Aroclor 1232	0.093	U	0.093	0.025	mg/Kg	☼	09/23/23 23:08	09/25/23 16:04	1
Aroclor 1242	0.093	U	0.093	0.025	mg/Kg	☼	09/23/23 23:08	09/25/23 16:04	1
Aroclor 1248	0.093	U	0.093	0.025	mg/Kg	☼	09/23/23 23:08	09/25/23 16:04	1
Aroclor 1254	0.093	U	0.093	0.025	mg/Kg	☼	09/23/23 23:08	09/25/23 16:04	1
Aroclor 1260	0.093	U	0.093	0.025	mg/Kg	☼	09/23/23 23:08	09/25/23 16:04	1
Aroclor 1268	0.093	U	0.093	0.025	mg/Kg	☼	09/23/23 23:08	09/25/23 16:04	1
Aroclor-1262	0.093	U	0.093	0.025	mg/Kg	☼	09/23/23 23:08	09/25/23 16:04	1
Polychlorinated biphenyls, Total	0.093	U	0.093	0.025	mg/Kg	☼	09/23/23 23:08	09/25/23 16:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*93*		*34 - 150*	*09/23/23 23:08*	*09/25/23 16:04*	*1*

Client Sample ID: WC-CB-C_20230922
Lab Sample ID: 460-288831-2
Date Collected: 09/22/23 10:35
Matrix: Solid
Date Received: 09/22/23 19:00
Percent Solids: 71.7

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	92		34 - 150	09/23/23 23:08	09/25/23 16:04	1
Tetrachloro-m-xylene	71		34 - 150	09/23/23 23:08	09/25/23 16:04	1
Tetrachloro-m-xylene	67		34 - 150	09/23/23 23:08	09/25/23 16:04	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**8.5**		2.1	0.22	mg/Kg	☼	09/24/23 19:30	09/25/23 16:07	2
Barium	**123**		4.3	0.31	mg/Kg	☼	09/24/23 19:30	09/25/23 16:07	2
Cadmium	**0.66**	**J**	2.1	0.24	mg/Kg	☼	09/24/23 19:30	09/25/23 16:07	2
Chromium	**116**		4.3	1.9	mg/Kg	☼	09/24/23 19:30	09/25/23 16:07	2
Lead	**83.0**		1.3	0.43	mg/Kg	☼	09/24/23 19:30	09/25/23 16:07	2
Selenium	2.7	U	2.7	0.27	mg/Kg	☼	09/24/23 19:30	09/25/23 16:07	2
Silver	**1.3**		0.86	0.19	mg/Kg	☼	09/24/23 19:30	09/25/23 16:07	2

Method: SW846 6020B - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	20.0	U	20.0	8.9	ug/L		09/27/23 11:17	09/27/23 20:23	10
Barium	**592**		40.0	9.1	ug/L		09/27/23 11:17	09/27/23 20:23	10
Cadmium	20.0	U	20.0	3.9	ug/L		09/27/23 11:17	09/27/23 20:23	10
Chromium	40.0	U	40.0	25.0	ug/L		09/27/23 11:17	09/27/23 20:23	10
Lead	12.0	U	12.0	8.4	ug/L		09/27/23 11:17	09/27/23 20:23	10
Selenium	25.0	U	25.0	5.9	ug/L		09/27/23 11:17	09/27/23 20:23	10
Silver	20.0	U	20.0	2.9	ug/L		09/27/23 11:17	09/27/23 20:23	10

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**1.8**		0.20	0.091	ug/L		09/27/23 12:45	09/27/23 16:43	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.15**		0.022	0.010	mg/Kg	☼	09/27/23 00:49	09/27/23 06:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate (SW846 1030)	2.20	U	2.20	2.20	mm/sec			09/27/23 15:04	1
Cyanide, Total (SW846 9012B)	**0.18**	**J**	0.33	0.18	mg/Kg	☼	09/28/23 08:19	09/28/23 14:23	1
Cyanide, Reactive (SW846 9014)	25.0	U	25.0	25.0	mg/Kg		09/28/23 15:37	09/28/23 17:47	1
Sulfide, Reactive (SW846 9034)	20.0	U	20.0	20.0	mg/Kg		09/28/23 15:34	09/28/23 17:45	1
pH (SW846 9045D)	**7.5**	**HF**			SU			09/28/23 09:28	1
Temperature (SW846 9045D)	**20.8**	**HF**			Degrees C			09/28/23 09:28	1
Corrosivity (SW846 9045D)	**7.5**	**HF**			SU			09/28/23 09:28	1
Percent Moisture (EPA Moisture)	**28.3**		1.0	1.0	%			09/25/23 19:14	1
Percent Solids (EPA Moisture)	**71.7**		1.0	1.0	%			09/25/23 19:14	1

Surrogate Summary

Client: AKRF Inc
Project/Site: 2647 Stillwell Ave, Brooklyn

Job ID: 460-288831-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(72-138)	(63-139)	(54-150)	(71-126)
460-288831-1	WC-CB-G_20230922	113	94	112	110
LB3 460-933977/6-A	Method Blank	107	98	110	101
LCS 460-934427/3	Lab Control Sample	108	98	106	105
LCSD 460-934427/4	Lab Control Sample Dup	106	101	102	105
MB 460-934427/8	Method Blank	116	98	109	103

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(24-137)	(48-120)	(31-120)	(38-120)	(39-120)	(25-126)
460-288831-2	WC-CB-C_20230922	68	81	80	79	83	87
460-288839-A-13-C MS	Matrix Spike	82	92	92	92	95	97
460-288839-A-13-D MSD	Matrix Spike Duplicate	86	94	95	93	97	101
LCS 460-934056/2-A	Lab Control Sample	86	96	98	97	101	104
LCSD 460-934056/3-A	Lab Control Sample Dup	86	96	96	95	99	103
MB 460-934056/1-A	Method Blank	83	93	97	96	99	108

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		TFT1
Lab Sample ID	Client Sample ID	(80-150)
460-288831-1	WC-CB-G_20230922	135
LCS 460-934221/2	Lab Control Sample	98
LCSD 460-934221/3	Lab Control Sample Dup	109
MB 460-934221/5	Method Blank	106

Surrogate Legend

TFT = a,a,a-Trifluorotoluene

Surrogate Summary

Client: AKRF Inc
Job ID: 460-288831-1
Project/Site: 2647 Stillwell Ave, Brooklyn

Method: 8015D - Diesel Range Organics (DRO) (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
		OTPH									
Lab Sample ID	Client Sample ID	(10-150)									
460-288831-2	WC-CB-C_20230922	0 *									
LCS 460-934371/2-A	Lab Control Sample	111									
LCSD 460-934371/3-A	Lab Control Sample Dup	96									
MB 460-934371/1-A	Method Blank	114									

Surrogate Legend

OTPH = o-Terphenyl

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
		DCBP1	DCBP2	TCX1	TCX2						
Lab Sample ID	Client Sample ID	(34-150)	(34-150)	(34-150)	(34-150)						
460-288605-F-2-D MS	Matrix Spike	98	96	63	70						
460-288605-F-2-E MSD	Matrix Spike Duplicate	122	117	78	85						
460-288831-2	WC-CB-C_20230922	92	93	67	71						
LCS 460-934020/2-A	Lab Control Sample	90	82	80	75						
LCSD 460-934020/3-A	Lab Control Sample Dup	91	93	77	84						
MB 460-934020/1-A	Method Blank	89	87	73	78						

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: LB3 460-933977/6-A
Matrix: Solid
Analysis Batch: 934427

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 933977

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg		09/23/23 13:10	09/26/23 10:35	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg		09/23/23 13:10	09/26/23 10:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg		09/23/23 13:10	09/26/23 10:35	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg		09/23/23 13:10	09/26/23 10:35	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg		09/23/23 13:10	09/26/23 10:35	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg		09/23/23 13:10	09/26/23 10:35	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg		09/23/23 13:10	09/26/23 10:35	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg		09/23/23 13:10	09/26/23 10:35	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg		09/23/23 13:10	09/26/23 10:35	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg		09/23/23 13:10	09/26/23 10:35	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg		09/23/23 13:10	09/26/23 10:35	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg		09/23/23 13:10	09/26/23 10:35	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg		09/23/23 13:10	09/26/23 10:35	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg		09/23/23 13:10	09/26/23 10:35	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg		09/23/23 13:10	09/26/23 10:35	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg		09/23/23 13:10	09/26/23 10:35	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg		09/23/23 13:10	09/26/23 10:35	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg		09/23/23 13:10	09/26/23 10:35	1
Acrolein	0.10	U	0.10	0.028	mg/Kg		09/23/23 13:10	09/26/23 10:35	1
Acrylonitrile	0.010	U	0.010	0.0049	mg/Kg		09/23/23 13:10	09/26/23 10:35	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg		09/23/23 13:10	09/26/23 10:35	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg		09/23/23 13:10	09/26/23 10:35	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg		09/23/23 13:10	09/26/23 10:35	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg		09/23/23 13:10	09/26/23 10:35	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg		09/23/23 13:10	09/26/23 10:35	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg		09/23/23 13:10	09/26/23 10:35	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg		09/23/23 13:10	09/26/23 10:35	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg		09/23/23 13:10	09/26/23 10:35	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg		09/23/23 13:10	09/26/23 10:35	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg		09/23/23 13:10	09/26/23 10:35	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg		09/23/23 13:10	09/26/23 10:35	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg		09/23/23 13:10	09/26/23 10:35	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg		09/23/23 13:10	09/26/23 10:35	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg		09/23/23 13:10	09/26/23 10:35	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg		09/23/23 13:10	09/26/23 10:35	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg		09/23/23 13:10	09/26/23 10:35	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg		09/23/23 13:10	09/26/23 10:35	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg		09/23/23 13:10	09/26/23 10:35	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg		09/23/23 13:10	09/26/23 10:35	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg		09/23/23 13:10	09/26/23 10:35	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg		09/23/23 13:10	09/26/23 10:35	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg		09/23/23 13:10	09/26/23 10:35	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg		09/23/23 13:10	09/26/23 10:35	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg		09/23/23 13:10	09/26/23 10:35	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg		09/23/23 13:10	09/26/23 10:35	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg		09/23/23 13:10	09/26/23 10:35	1
TBA	0.010	U	0.010	0.0078	mg/Kg		09/23/23 13:10	09/26/23 10:35	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg		09/23/23 13:10	09/26/23 10:35	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LB3 460-933977/6-A
Matrix: Solid
Analysis Batch: 934427

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 933977

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	0.0010	U	0.0010	0.00023	mg/Kg		09/23/23 13:10	09/26/23 10:35	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg		09/23/23 13:10	09/26/23 10:35	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg		09/23/23 13:10	09/26/23 10:35	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg		09/23/23 13:10	09/26/23 10:35	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg		09/23/23 13:10	09/26/23 10:35	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg		09/23/23 13:10	09/26/23 10:35	1

Tentatively Identified Compound	*LB3 Est. Result*	*LB3 Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*			*N/A*	*09/23/23 13:10*	*09/26/23 10:35*	*1*

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*72 - 138*	*09/23/23 13:10*	*09/26/23 10:35*	*1*
4-Bromofluorobenzene	*98*		*63 - 139*	*09/23/23 13:10*	*09/26/23 10:35*	*1*
Dibromofluoromethane (Surr)	*110*		*54 - 150*	*09/23/23 13:10*	*09/26/23 10:35*	*1*
Toluene-d8 (Surr)	*101*		*71 - 126*	*09/23/23 13:10*	*09/26/23 10:35*	*1*

Lab Sample ID: MB 460-934427/8
Matrix: Solid
Analysis Batch: 934427

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			09/26/23 10:11	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg			09/26/23 10:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			09/26/23 10:11	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg			09/26/23 10:11	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			09/26/23 10:11	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			09/26/23 10:11	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			09/26/23 10:11	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			09/26/23 10:11	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			09/26/23 10:11	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			09/26/23 10:11	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			09/26/23 10:11	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			09/26/23 10:11	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			09/26/23 10:11	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			09/26/23 10:11	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			09/26/23 10:11	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			09/26/23 10:11	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			09/26/23 10:11	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			09/26/23 10:11	1
Acrolein	0.10	U	0.10	0.028	mg/Kg			09/26/23 10:11	1
Acrylonitrile	0.010	U	0.010	0.0049	mg/Kg			09/26/23 10:11	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			09/26/23 10:11	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			09/26/23 10:11	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			09/26/23 10:11	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			09/26/23 10:11	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			09/26/23 10:11	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			09/26/23 10:11	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg			09/26/23 10:11	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-934427/8
Matrix: Solid
Analysis Batch: 934427

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg			09/26/23 10:11	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			09/26/23 10:11	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			09/26/23 10:11	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			09/26/23 10:11	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			09/26/23 10:11	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			09/26/23 10:11	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			09/26/23 10:11	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			09/26/23 10:11	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			09/26/23 10:11	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			09/26/23 10:11	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg			09/26/23 10:11	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			09/26/23 10:11	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			09/26/23 10:11	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			09/26/23 10:11	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			09/26/23 10:11	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			09/26/23 10:11	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg			09/26/23 10:11	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg			09/26/23 10:11	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			09/26/23 10:11	1
TBA	0.010	U	0.010	0.0078	mg/Kg			09/26/23 10:11	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			09/26/23 10:11	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			09/26/23 10:11	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			09/26/23 10:11	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			09/26/23 10:11	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			09/26/23 10:11	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			09/26/23 10:11	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			09/26/23 10:11	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*			*N/A*		*09/26/23 10:11*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*72 - 138*		*09/26/23 10:11*	*1*
4-Bromofluorobenzene	*98*		*63 - 139*		*09/26/23 10:11*	*1*
Dibromofluoromethane (Surr)	*109*		*54 - 150*		*09/26/23 10:11*	*1*
Toluene-d8 (Surr)	*103*		*71 - 126*		*09/26/23 10:11*	*1*

Lab Sample ID: LCS 460-934427/3
Matrix: Solid
Analysis Batch: 934427

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	0.0200	0.0222		mg/Kg		111	72 - 140
1,1,2,2-Tetrachloroethane	0.0200	0.0181		mg/Kg		91	66 - 133
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0239		mg/Kg		120	71 - 141
1,1,2-Trichloroethane	0.0200	0.0180		mg/Kg		90	80 - 120
1,1-Dichloroethane	0.0200	0.0213		mg/Kg		106	77 - 129

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-934427/3
Matrix: Solid
Analysis Batch: 934427

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	0.0200	0.0231		mg/Kg		115	70 - 132
1,2,3-Trichlorobenzene	0.0200	0.0216		mg/Kg		108	68 - 124
1,2,4-Trichlorobenzene	0.0200	0.0211		mg/Kg		106	68 - 124
1,2-Dibromo-3-Chloropropane	0.0200	0.0181		mg/Kg		90	64 - 124
1,2-Dichlorobenzene	0.0200	0.0209		mg/Kg		105	80 - 120
1,2-Dichloroethane	0.0200	0.0192		mg/Kg		96	70 - 123
1,2-Dichloropropane	0.0200	0.0199		mg/Kg		99	73 - 124
1,3-Dichlorobenzene	0.0200	0.0208		mg/Kg		104	80 - 120
1,4-Dichlorobenzene	0.0200	0.0207		mg/Kg		103	80 - 120
2-Butanone (MEK)	0.100	0.104		mg/Kg		104	64 - 128
2-Hexanone	0.100	0.111		mg/Kg		111	61 - 128
4-Methyl-2-pentanone (MIBK)	0.100	0.117		mg/Kg		117	72 - 122
Acetone	0.100	0.102		mg/Kg		102	63 - 131
Acrolein	0.300	0.270		mg/Kg		90	24 - 150
Acrylonitrile	0.200	0.178		mg/Kg		89	66 - 134
Benzene	0.0200	0.0203		mg/Kg		102	75 - 130
Bromoform	0.0200	0.0179		mg/Kg		89	18 - 150
Bromomethane	0.0200	0.0200		mg/Kg		100	40 - 150
Carbon disulfide	0.0200	0.0232		mg/Kg		116	69 - 141
Carbon tetrachloride	0.0200	0.0233		mg/Kg		116	54 - 150
Chlorobenzene	0.0200	0.0197		mg/Kg		99	80 - 120
Chlorobromomethane	0.0200	0.0184		mg/Kg		92	76 - 127
Chlorodibromomethane	0.0200	0.0195		mg/Kg		98	42 - 150
Chloroethane	0.0200	0.0178		mg/Kg		89	60 - 141
Chloroform	0.0200	0.0210		mg/Kg		105	79 - 126
Chloromethane	0.0200	0.0200		mg/Kg		100	55 - 139
cis-1,2-Dichloroethene	0.0200	0.0220		mg/Kg		110	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0189		mg/Kg		95	70 - 127
Cyclohexane	0.0200	0.0236		mg/Kg		118	74 - 132
Dichlorobromomethane	0.0200	0.0215		mg/Kg		108	67 - 124
Dichlorodifluoromethane	0.0200	0.0171		mg/Kg		85	51 - 138
Ethylbenzene	0.0200	0.0206		mg/Kg		103	80 - 120
Ethylene Dibromide	0.0200	0.0182		mg/Kg		91	79 - 120
Isopropylbenzene	0.0200	0.0227		mg/Kg		113	80 - 120
Methyl acetate	0.0400	0.0386		mg/Kg		97	52 - 143
Methyl tert-butyl ether	0.0200	0.0232		mg/Kg		116	74 - 125
Methylcyclohexane	0.0200	0.0233		mg/Kg		117	70 - 133
Methylene Chloride	0.0200	0.0206		mg/Kg		103	70 - 130
m-Xylene & p-Xylene	0.0200	0.0203		mg/Kg		101	80 - 120
o-Xylene	0.0200	0.0215		mg/Kg		107	80 - 120
Styrene	0.0200	0.0210		mg/Kg		105	73 - 120
TBA	0.200	0.194		mg/Kg		97	67 - 120
Tetrachloroethene	0.0200	0.0206		mg/Kg		103	66 - 133
Toluene	0.0200	0.0205		mg/Kg		103	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0206		mg/Kg		103	78 - 128
trans-1,3-Dichloropropene	0.0200	0.0185		mg/Kg		93	69 - 120
Trichloroethene	0.0200	0.0205		mg/Kg		102	75 - 120
Trichlorofluoromethane	0.0200	0.0166		mg/Kg		83	55 - 142
Vinyl chloride	0.0200	0.0182		mg/Kg		91	58 - 147

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	108		72 - 138
4-Bromofluorobenzene	98		63 - 139
Dibromofluoromethane (Surr)	106		54 - 150
Toluene-d8 (Surr)	105		71 - 126

Lab Sample ID: LCSD 460-934427/4
Matrix: Solid
Analysis Batch: 934427

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane			0.0200	0.0233		mg/Kg		117	72 - 140	5	30
1,1,2,2-Tetrachloroethane			0.0200	0.0173		mg/Kg		86	66 - 133	5	30
1,1,2-Trichloro-1,2,2-trifluoroethane			0.0200	0.0238		mg/Kg		119	71 - 141	1	30
1,1,2-Trichloroethane			0.0200	0.0184		mg/Kg		92	80 - 120	2	30
1,1-Dichloroethane			0.0200	0.0213		mg/Kg		107	77 - 129	0	30
1,1-Dichloroethene			0.0200	0.0219		mg/Kg		110	70 - 132	5	30
1,2,3-Trichlorobenzene			0.0200	0.0218		mg/Kg		109	68 - 124	1	30
1,2,4-Trichlorobenzene			0.0200	0.0209		mg/Kg		105	68 - 124	1	30
1,2-Dibromo-3-Chloropropane			0.0200	0.0178		mg/Kg		89	64 - 124	1	30
1,2-Dichlorobenzene			0.0200	0.0198		mg/Kg		99	80 - 120	6	30
1,2-Dichloroethane			0.0200	0.0201		mg/Kg		100	70 - 123	5	30
1,2-Dichloropropane			0.0200	0.0208		mg/Kg		104	73 - 124	5	30
1,3-Dichlorobenzene			0.0200	0.0199		mg/Kg		100	80 - 120	4	30
1,4-Dichlorobenzene			0.0200	0.0196		mg/Kg		98	80 - 120	5	30
2-Butanone (MEK)			0.100	0.104		mg/Kg		104	64 - 128	0	30
2-Hexanone			0.100	0.107		mg/Kg		107	61 - 128	4	30
4-Methyl-2-pentanone (MIBK)			0.100	0.114		mg/Kg		114	72 - 122	3	30
Acetone			0.100	0.105		mg/Kg		105	63 - 131	2	30
Acrolein			0.300	0.272		mg/Kg		91	24 - 150	1	30
Acrylonitrile			0.200	0.187		mg/Kg		94	66 - 134	5	30
Benzene			0.0200	0.0206		mg/Kg		103	75 - 130	1	30
Bromoform			0.0200	0.0184		mg/Kg		92	18 - 150	3	30
Bromomethane			0.0200	0.0193		mg/Kg		97	40 - 150	3	30
Carbon disulfide			0.0200	0.0250		mg/Kg		125	69 - 141	7	30
Carbon tetrachloride			0.0200	0.0232		mg/Kg		116	54 - 150	0	30
Chlorobenzene			0.0200	0.0200		mg/Kg		100	80 - 120	1	30
Chlorobromomethane			0.0200	0.0192		mg/Kg		96	76 - 127	4	30
Chlorodibromomethane			0.0200	0.0194		mg/Kg		97	42 - 150	0	30
Chloroethane			0.0200	0.0192		mg/Kg		96	60 - 141	7	30
Chloroform			0.0200	0.0208		mg/Kg		104	79 - 126	1	30
Chloromethane			0.0200	0.0200		mg/Kg		100	55 - 139	0	30
cis-1,2-Dichloroethene			0.0200	0.0225		mg/Kg		113	80 - 123	3	30
cis-1,3-Dichloropropene			0.0200	0.0205		mg/Kg		103	70 - 127	8	30
Cyclohexane			0.0200	0.0251		mg/Kg		126	74 - 132	6	30
Dichlorobromomethane			0.0200	0.0204		mg/Kg		102	67 - 124	6	30
Dichlorodifluoromethane			0.0200	0.0176		mg/Kg		88	51 - 138	3	30
Ethylbenzene			0.0200	0.0212		mg/Kg		106	80 - 120	3	30
Ethylene Dibromide			0.0200	0.0184		mg/Kg		92	79 - 120	1	30
Isopropylbenzene			0.0200	0.0225		mg/Kg		113	80 - 120	1	30
Methyl acetate			0.0400	0.0396		mg/Kg		99	52 - 143	2	30
Methyl tert-butyl ether			0.0200	0.0241		mg/Kg		120	74 - 125	4	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-934427/4
Matrix: Solid
Analysis Batch: 934427

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methylcyclohexane			0.0200	0.0237		mg/Kg		118	70 - 133	2	30
Methylene Chloride			0.0200	0.0199		mg/Kg		99	70 - 130	3	30
m-Xylene & p-Xylene			0.0200	0.0212		mg/Kg		106	80 - 120	4	30
o-Xylene			0.0200	0.0209		mg/Kg		104	80 - 120	3	30
Styrene			0.0200	0.0215		mg/Kg		107	73 - 120	2	30
TBA			0.200	0.196		mg/Kg		98	67 - 120	1	30
Tetrachloroethene			0.0200	0.0199		mg/Kg		100	66 - 133	3	30
Toluene			0.0200	0.0211		mg/Kg		105	80 - 120	3	30
trans-1,2-Dichloroethene			0.0200	0.0205		mg/Kg		102	78 - 128	1	30
trans-1,3-Dichloropropene			0.0200	0.0190		mg/Kg		95	69 - 120	3	30
Trichloroethene			0.0200	0.0218		mg/Kg		109	75 - 120	6	30
Trichlorofluoromethane			0.0200	0.0176		mg/Kg		88	55 - 142	6	30
Vinyl chloride			0.0200	0.0184		mg/Kg		92	58 - 147	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*72 - 138*
4-Bromofluorobenzene	*101*		*63 - 139*
Dibromofluoromethane (Surr)	*102*		*54 - 150*
Toluene-d8 (Surr)	*105*		*71 - 126*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 460-934056/1-A
Matrix: Solid
Analysis Batch: 934123

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 934056

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.33	U	0.33	0.012	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
1,2,4,5-Tetrachlorobenzene	0.33	U	0.33	0.010	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
1,2-Diphenylhydrazine	0.33	U	0.33	0.013	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
1,4-Dioxane	0.033	U	0.033	0.029	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
2,2'-oxybis[1-chloropropane]	0.33	U	0.33	0.020	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
2,3,4,6-Tetrachlorophenol	0.33	U	0.33	0.022	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
2,4,5-Trichlorophenol	0.33	U	0.33	0.034	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
2,4,6-Trichlorophenol	0.13	U	0.13	0.042	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
2,4-Dichlorophenol	0.13	U	0.13	0.021	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
2,4-Dimethylphenol	0.33	U	0.33	0.039	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
2,4-Dinitrophenol	0.27	U	0.27	0.16	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
2,4-Dinitrotoluene	0.067	U	0.067	0.036	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
2,6-Dinitrotoluene	0.067	U	0.067	0.024	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
2-Chloronaphthalene	0.33	U	0.33	0.015	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
2-Chlorophenol	0.33	U	0.33	0.012	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
2-Methylnaphthalene	0.33	U	0.33	0.0093	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
2-Methylphenol	0.33	U	0.33	0.012	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
2-Nitroaniline	0.33	U	0.33	0.025	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
2-Nitrophenol	0.33	U	0.33	0.033	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
3,3'-Dichlorobenzidine	0.13	U	0.13	0.050	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
3-Nitroaniline	0.33	U	0.33	0.079	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
4,6-Dinitro-2-methylphenol	0.27	U	0.27	0.14	mg/Kg		09/24/23 07:14	09/24/23 17:04	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-934056/1-A
Matrix: Solid
Analysis Batch: 934123

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 934056

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	0.33	U	0.33	0.013	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
4-Chloro-3-methylphenol	0.33	U	0.33	0.019	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
4-Chloroaniline	0.33	U	0.33	0.059	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
4-Chlorophenyl phenyl ether	0.33	U	0.33	0.012	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
4-Methylphenol	0.33	U	0.33	0.021	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
4-Nitroaniline	0.33	U	0.33	0.038	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
4-Nitrophenol	0.67	U	0.67	0.054	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
Acenaphthene	0.33	U	0.33	0.0094	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
Acenaphthylene	0.33	U	0.33	0.0095	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
Acetophenone	0.33	U	0.33	0.016	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
Anthracene	0.33	U	0.33	0.010	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
Atrazine	0.13	U	0.13	0.019	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
Benzaldehyde	0.33	U	0.33	0.055	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
Benzidine	0.33	U	0.33	0.069	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
Benzo[a]anthracene	0.033	U	0.033	0.025	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
Benzo[a]pyrene	0.033	U	0.033	0.0088	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
Benzo[b]fluoranthene	0.033	U	0.033	0.0086	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
Benzo[g,h,i]perylene	0.33	U	0.33	0.0098	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
Benzo[k]fluoranthene	0.033	U	0.033	0.0065	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
Bis(2-chloroethoxy)methane	0.33	U	0.33	0.026	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
Bis(2-chloroethyl)ether	0.033	U	0.033	0.012	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
Bis(2-ethylhexyl) phthalate	0.33	U	0.33	0.017	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
Butyl benzyl phthalate	0.33	U	0.33	0.016	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
Caprolactam	0.33	U	0.33	0.051	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
Carbazole	0.33	U	0.33	0.013	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
Chrysene	0.33	U	0.33	0.014	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
Dibenz(a,h)anthracene	0.033	U	0.033	0.014	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
Dibenzofuran	0.33	U	0.33	0.011	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
Diethyl phthalate	0.33	U	0.33	0.011	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
Dimethyl phthalate	0.33	U	0.33	0.075	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
Di-n-butyl phthalate	0.33	U	0.33	0.012	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
Di-n-octyl phthalate	0.33	U	0.33	0.018	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
Fluoranthene	0.33	U	0.33	0.012	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
Fluorene	0.33	U	0.33	0.0097	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
Hexachlorobenzene	0.033	U	0.033	0.016	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
Hexachlorobutadiene	0.067	U	0.067	0.0070	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
Hexachlorocyclopentadiene	0.33	U	0.33	0.029	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
Hexachloroethane	0.033	U	0.033	0.011	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
Indeno[1,2,3-cd]pyrene	0.033	U	0.033	0.013	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
Isophorone	0.13	U	0.13	0.096	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
Naphthalene	0.33	U	0.33	0.0057	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
Nitrobenzene	0.033	U	0.033	0.018	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
N-Nitrosodi-n-propylamine	0.033	U	0.033	0.024	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
N-Nitrosodiphenylamine	0.33	U	0.33	0.027	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
Pentachlorophenol	0.27	U	0.27	0.068	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
Phenanthrene	0.33	U	0.33	0.014	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
Phenol	0.33	U	0.33	0.012	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
Pyrene	0.33	U	0.33	0.0082	mg/Kg		09/24/23 07:14	09/24/23 17:04	1
Pyridine	0.33	U	0.33	0.047	mg/Kg		09/24/23 07:14	09/24/23 17:04	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Aldol condensation product	0.373	A J	mg/Kg		2.85	N/A	09/24/23 07:14	09/24/23 17:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	83		24 - 137	09/24/23 07:14	09/24/23 17:04	1
2-Fluorobiphenyl	93		48 - 120	09/24/23 07:14	09/24/23 17:04	1
2-Fluorophenol (Surr)	97		31 - 120	09/24/23 07:14	09/24/23 17:04	1
Nitrobenzene-d5 (Surr)	96		38 - 120	09/24/23 07:14	09/24/23 17:04	1
Phenol-d5 (Surr)	99		39 - 120	09/24/23 07:14	09/24/23 17:04	1
Terphenyl-d14 (Surr)	108		25 - 126	09/24/23 07:14	09/24/23 17:04	1

Lab Sample ID: LCS 460-934056/2-A
Matrix: Solid
Analysis Batch: 934123

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 934056

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	3.33	2.78		mg/Kg		83	68 - 120
1,2,4,5-Tetrachlorobenzene	3.33	2.73		mg/Kg		82	65 - 120
1,2-Diphenylhydrazine	3.33	2.99		mg/Kg		90	52 - 125
1,4-Dioxane	3.33	2.21		mg/Kg		66	30 - 120
2,2'-oxybis[1-chloropropane]	3.33	2.72		mg/Kg		82	43 - 126
2,3,4,6-Tetrachlorophenol	3.33	2.66		mg/Kg		80	66 - 127
2,4,5-Trichlorophenol	3.33	2.76		mg/Kg		83	67 - 120
2,4,6-Trichlorophenol	3.33	2.83		mg/Kg		85	67 - 120
2,4-Dichlorophenol	3.33	2.85		mg/Kg		85	66 - 120
2,4-Dimethylphenol	3.33	2.07		mg/Kg		62	62 - 120
2,4-Dinitrophenol	6.67	5.49		mg/Kg		82	27 - 150
2,4-Dinitrotoluene	3.33	2.91		mg/Kg		87	70 - 131
2,6-Dinitrotoluene	3.33	2.89		mg/Kg		87	72 - 121
2-Chloronaphthalene	3.33	2.75		mg/Kg		83	68 - 120
2-Chlorophenol	3.33	2.72		mg/Kg		82	63 - 120
2-Methylnaphthalene	3.33	2.72		mg/Kg		82	64 - 120
2-Methylphenol	3.33	2.61		mg/Kg		78	58 - 120
2-Nitroaniline	3.33	2.84		mg/Kg		85	48 - 129
2-Nitrophenol	3.33	2.76		mg/Kg		83	64 - 120
3,3'-Dichlorobenzidine	3.33	1.96		mg/Kg		59	10 - 136
3-Nitroaniline	3.33	2.17		mg/Kg		65	20 - 132
4,6-Dinitro-2-methylphenol	6.67	6.33		mg/Kg		95	47 - 150
4-Bromophenyl phenyl ether	3.33	2.86		mg/Kg		86	62 - 120
4-Chloro-3-methylphenol	3.33	2.76		mg/Kg		83	66 - 120
4-Chloroaniline	3.33	1.52		mg/Kg		46	10 - 128
4-Chlorophenyl phenyl ether	3.33	2.73		mg/Kg		82	69 - 120
4-Methylphenol	3.33	2.68		mg/Kg		80	55 - 120
4-Nitroaniline	3.33	2.55		mg/Kg		77	52 - 120
4-Nitrophenol	6.67	5.44		mg/Kg		82	43 - 135
Acenaphthene	3.33	2.81		mg/Kg		84	61 - 120
Acenaphthylene	3.33	2.67		mg/Kg		80	64 - 120
Acetophenone	3.33	2.59		mg/Kg		78	57 - 120
Anthracene	3.33	2.81		mg/Kg		84	67 - 120
Atrazine	1.33	1.57		mg/Kg		118	34 - 120
Benzaldehyde	1.33	1.50		mg/Kg		113	28 - 150
Benzidine	3.33	0.988		mg/Kg		30	10 - 120

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-934056/2-A
Matrix: Solid
Analysis Batch: 934123

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 934056

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzo[a]anthracene	3.33	2.92		mg/Kg		88	69 - 120
Benzo[a]pyrene	3.33	3.27		mg/Kg		98	66 - 123
Benzo[b]fluoranthene	3.33	3.12		mg/Kg		94	70 - 125
Benzo[g,h,i]perylene	3.33	2.78		mg/Kg		84	66 - 120
Benzo[k]fluoranthene	3.33	2.98		mg/Kg		90	71 - 122
Bis(2-chloroethoxy)methane	3.33	2.67		mg/Kg		80	62 - 120
Bis(2-chloroethyl)ether	3.33	2.70		mg/Kg		81	54 - 120
Bis(2-ethylhexyl) phthalate	3.33	3.03		mg/Kg		91	68 - 125
Butyl benzyl phthalate	3.33	3.02		mg/Kg		91	69 - 127
Caprolactam	1.33	1.67		mg/Kg		125	26 - 150
Carbazole	3.33	2.78		mg/Kg		83	64 - 120
Chrysene	3.33	2.88		mg/Kg		87	63 - 120
Dibenz(a,h)anthracene	3.33	2.87		mg/Kg		86	66 - 128
Dibenzofuran	3.33	2.72		mg/Kg		82	70 - 120
Diethyl phthalate	3.33	2.73		mg/Kg		82	69 - 120
Dimethyl phthalate	3.33	2.72		mg/Kg		82	70 - 120
Di-n-butyl phthalate	3.33	2.95		mg/Kg		88	66 - 120
Di-n-octyl phthalate	3.33	3.30		mg/Kg		99	65 - 143
Fluoranthene	3.33	2.71		mg/Kg		81	66 - 120
Fluorene	3.33	2.74		mg/Kg		82	70 - 120
Hexachlorobenzene	3.33	2.77		mg/Kg		83	56 - 120
Hexachlorobutadiene	3.33	2.71		mg/Kg		81	62 - 120
Hexachlorocyclopentadiene	3.33	0.516	*	mg/Kg		15	38 - 120
Hexachloroethane	3.33	2.62		mg/Kg		79	57 - 120
Indeno[1,2,3-cd]pyrene	3.33	3.19		mg/Kg		96	62 - 148
Isophorone	3.33	2.70		mg/Kg		81	60 - 120
Naphthalene	3.33	2.68		mg/Kg		81	63 - 120
Nitrobenzene	3.33	2.76		mg/Kg		83	63 - 120
N-Nitrosodi-n-propylamine	3.33	2.79		mg/Kg		84	55 - 120
N-Nitrosodiphenylamine	3.33	2.89		mg/Kg		87	63 - 120
Pentachlorophenol	6.67	5.94		mg/Kg		89	51 - 126
Phenanthrene	3.33	2.82		mg/Kg		85	66 - 120
Phenol	3.33	2.70		mg/Kg		81	57 - 120
Pyrene	3.33	3.00		mg/Kg		90	67 - 121
Pyridine	6.67	4.38		mg/Kg		66	37 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*86*		*24 - 137*
2-Fluorobiphenyl	*96*		*48 - 120*
2-Fluorophenol (Surr)	*98*		*31 - 120*
Nitrobenzene-d5 (Surr)	*97*		*38 - 120*
Phenol-d5 (Surr)	*101*		*39 - 120*
Terphenyl-d14 (Surr)	*104*		*25 - 126*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-934056/3-A
Matrix: Solid
Analysis Batch: 934123

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 934056

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl			3.33	2.72		mg/Kg		82	68 - 120	2	30
1,2,4,5-Tetrachlorobenzene			3.33	2.65		mg/Kg		79	65 - 120	3	30
1,2-Diphenylhydrazine			3.33	2.94		mg/Kg		88	52 - 125	2	30
1,4-Dioxane			3.33	2.08		mg/Kg		62	30 - 120	6	30
2,2'-oxybis[1-chloropropane]			3.33	2.58		mg/Kg		77	43 - 126	5	30
2,3,4,6-Tetrachlorophenol			3.33	2.69		mg/Kg		81	66 - 127	1	30
2,4,5-Trichlorophenol			3.33	2.71		mg/Kg		81	67 - 120	2	30
2,4,6-Trichlorophenol			3.33	2.82		mg/Kg		84	67 - 120	1	30
2,4-Dichlorophenol			3.33	2.73		mg/Kg		82	66 - 120	4	30
2,4-Dimethylphenol			3.33	1.99	*	mg/Kg		60	62 - 120	4	30
2,4-Dinitrophenol			6.67	5.49		mg/Kg		82	27 - 150	0	30
2,4-Dinitrotoluene			3.33	2.91		mg/Kg		87	70 - 131	0	30
2,6-Dinitrotoluene			3.33	2.89		mg/Kg		87	72 - 121	0	30
2-Chloronaphthalene			3.33	2.70		mg/Kg		81	68 - 120	2	30
2-Chlorophenol			3.33	2.60		mg/Kg		78	63 - 120	4	30
2-Methylnaphthalene			3.33	2.65		mg/Kg		79	64 - 120	3	30
2-Methylphenol			3.33	2.52		mg/Kg		76	58 - 120	4	30
2-Nitroaniline			3.33	2.80		mg/Kg		84	48 - 129	1	30
2-Nitrophenol			3.33	2.63		mg/Kg		79	64 - 120	5	30
3,3'-Dichlorobenzidine			3.33	1.79		mg/Kg		54	10 - 136	9	30
3-Nitroaniline			3.33	2.03		mg/Kg		61	20 - 132	7	30
4,6-Dinitro-2-methylphenol			6.67	6.41		mg/Kg		96	47 - 150	1	30
4-Bromophenyl phenyl ether			3.33	2.83		mg/Kg		85	62 - 120	1	30
4-Chloro-3-methylphenol			3.33	2.70		mg/Kg		81	66 - 120	2	30
4-Chloroaniline			3.33	1.29		mg/Kg		39	10 - 128	17	30
4-Chlorophenyl phenyl ether			3.33	2.72		mg/Kg		82	69 - 120	0	30
4-Methylphenol			3.33	2.58		mg/Kg		77	55 - 120	4	30
4-Nitroaniline			3.33	2.51		mg/Kg		75	52 - 120	2	30
4-Nitrophenol			6.67	5.38		mg/Kg		81	43 - 135	1	30
Acenaphthene			3.33	2.77		mg/Kg		83	61 - 120	2	30
Acenaphthylene			3.33	2.62		mg/Kg		78	64 - 120	2	30
Acetophenone			3.33	2.43		mg/Kg		73	57 - 120	6	30
Anthracene			3.33	2.77		mg/Kg		83	67 - 120	2	30
Atrazine			1.33	1.49		mg/Kg		112	34 - 120	5	30
Benzaldehyde			1.33	1.36		mg/Kg		102	28 - 150	10	30
Benzidine			3.33	0.904		mg/Kg		27	10 - 120	9	30
Benzo[a]anthracene			3.33	2.88		mg/Kg		86	69 - 120	2	30
Benzo[a]pyrene			3.33	3.24		mg/Kg		97	66 - 123	1	30
Benzo[b]fluoranthene			3.33	3.04		mg/Kg		91	70 - 125	3	30
Benzo[g,h,i]perylene			3.33	2.74		mg/Kg		82	66 - 120	2	30
Benzo[k]fluoranthene			3.33	2.99		mg/Kg		90	71 - 122	0	30
Bis(2-chloroethoxy)methane			3.33	2.60		mg/Kg		78	62 - 120	3	30
Bis(2-chloroethyl)ether			3.33	2.56		mg/Kg		77	54 - 120	5	30
Bis(2-ethylhexyl) phthalate			3.33	3.00		mg/Kg		90	68 - 125	1	30
Butyl benzyl phthalate			3.33	2.97		mg/Kg		89	69 - 127	2	30
Caprolactam			1.33	1.53		mg/Kg		115	26 - 150	8	30
Carbazole			3.33	2.74		mg/Kg		82	64 - 120	1	30
Chrysene			3.33	2.84		mg/Kg		85	63 - 120	2	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-934056/3-A
Matrix: Solid
Analysis Batch: 934123

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 934056

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dibenz(a,h)anthracene			3.33	2.86		mg/Kg		86	66 - 128	0	30
Dibenzofuran			3.33	2.69		mg/Kg		81	70 - 120	1	30
Diethyl phthalate			3.33	2.70		mg/Kg		81	69 - 120	1	30
Dimethyl phthalate			3.33	2.70		mg/Kg		81	70 - 120	1	30
Di-n-butyl phthalate			3.33	2.92		mg/Kg		88	66 - 120	1	30
Di-n-octyl phthalate			3.33	3.26		mg/Kg		98	65 - 143	1	30
Fluoranthene			3.33	2.68		mg/Kg		80	66 - 120	1	30
Fluorene			3.33	2.70		mg/Kg		81	70 - 120	1	30
Hexachlorobenzene			3.33	2.71		mg/Kg		81	56 - 120	2	30
Hexachlorobutadiene			3.33	2.58		mg/Kg		77	62 - 120	5	30
Hexachlorocyclopentadiene			3.33	0.507	*	mg/Kg		15	38 - 120	2	30
Hexachloroethane			3.33	2.52		mg/Kg		76	57 - 120	4	30
Indeno[1,2,3-cd]pyrene			3.33	3.15		mg/Kg		95	62 - 148	1	30
Isophorone			3.33	2.60		mg/Kg		78	60 - 120	4	30
Naphthalene			3.33	2.57		mg/Kg		77	63 - 120	4	30
Nitrobenzene			3.33	2.67		mg/Kg		80	63 - 120	3	30
N-Nitrosodi-n-propylamine			3.33	2.69		mg/Kg		81	55 - 120	4	30
N-Nitrosodiphenylamine			3.33	2.84		mg/Kg		85	63 - 120	2	30
Pentachlorophenol			6.67	5.88		mg/Kg		88	51 - 126	1	30
Phenanthrene			3.33	2.78		mg/Kg		83	66 - 120	1	30
Phenol			3.33	2.61		mg/Kg		78	57 - 120	3	30
Pyrene			3.33	2.94		mg/Kg		88	67 - 121	2	30
Pyridine			6.67	4.19		mg/Kg		63	37 - 120	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*86*		*24 - 137*
2-Fluorobiphenyl	*96*		*48 - 120*
2-Fluorophenol (Surr)	*96*		*31 - 120*
Nitrobenzene-d5 (Surr)	*95*		*38 - 120*
Phenol-d5 (Surr)	*99*		*39 - 120*
Terphenyl-d14 (Surr)	*103*		*25 - 126*

Lab Sample ID: 460-288839-A-13-C MS
Matrix: Solid
Analysis Batch: 934123

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 934056

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	0.35	U	3.58	2.87		mg/Kg	☼	80	68 - 120
1,2,4,5-Tetrachlorobenzene	0.35	U	3.58	2.82		mg/Kg	☼	79	65 - 120
1,2-Diphenylhydrazine	0.35	U	3.58	2.96		mg/Kg	☼	83	52 - 125
1,4-Dioxane	0.035	U	3.58	2.23		mg/Kg	☼	62	30 - 120
2,2'-oxybis[1-chloropropane]	0.35	U	3.58	2.70		mg/Kg	☼	75	43 - 126
2,3,4,6-Tetrachlorophenol	0.35	U	3.58	2.77		mg/Kg	☼	77	66 - 127
2,4,5-Trichlorophenol	0.35	U	3.58	2.81		mg/Kg	☼	78	67 - 120
2,4,6-Trichlorophenol	0.14	U	3.58	2.95		mg/Kg	☼	82	67 - 120
2,4-Dichlorophenol	0.14	U	3.58	2.91		mg/Kg	☼	81	66 - 120
2,4-Dimethylphenol	0.35	U *	3.58	2.11	*	mg/Kg	☼	59	62 - 120
2,4-Dinitrophenol	0.29	U	7.16	5.52		mg/Kg	☼	77	27 - 150

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-288839-A-13-C MS
Matrix: Solid
Analysis Batch: 934123

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 934056

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-Dinitrotoluene	0.072	U	3.58	3.01		mg/Kg	☼	84	70 - 131
2,6-Dinitrotoluene	0.072	U	3.58	2.96		mg/Kg	☼	83	72 - 121
2-Chloronaphthalene	0.35	U	3.58	2.82		mg/Kg	☼	79	68 - 120
2-Chlorophenol	0.35	U	3.58	2.79		mg/Kg	☼	78	63 - 120
2-Methylnaphthalene	0.35	U	3.58	2.81		mg/Kg	☼	78	64 - 120
2-Methylphenol	0.35	U	3.58	2.69		mg/Kg	☼	75	58 - 120
2-Nitroaniline	0.35	U	3.58	2.91		mg/Kg	☼	81	48 - 129
2-Nitrophenol	0.35	U	3.58	2.79		mg/Kg	☼	78	64 - 120
3,3'-Dichlorobenzidine	0.14	U	3.58	1.98		mg/Kg	☼	55	10 - 136
3-Nitroaniline	0.35	U	3.58	2.16		mg/Kg	☼	60	20 - 132
4,6-Dinitro-2-methylphenol	0.29	U	7.16	6.45		mg/Kg	☼	90	47 - 150
4-Bromophenyl phenyl ether	0.35	U	3.58	2.90		mg/Kg	☼	81	62 - 120
4-Chloro-3-methylphenol	0.35	U	3.58	2.78		mg/Kg	☼	78	66 - 120
4-Chloroaniline	0.35	U	3.58	1.37		mg/Kg	☼	38	10 - 128
4-Chlorophenyl phenyl ether	0.35	U	3.58	2.80		mg/Kg	☼	78	69 - 120
4-Methylphenol	0.35	U	3.58	2.75		mg/Kg	☼	77	55 - 120
4-Nitroaniline	0.35	U	3.58	2.63		mg/Kg	☼	73	52 - 120
4-Nitrophenol	0.72	U	7.16	5.56		mg/Kg	☼	78	43 - 135
Acenaphthene	0.35	U	3.58	2.90		mg/Kg	☼	81	61 - 120
Acenaphthylene	0.35	U	3.58	2.75		mg/Kg	☼	77	64 - 120
Acetophenone	0.35	U	3.58	2.55		mg/Kg	☼	71	57 - 120
Anthracene	0.35	U	3.58	2.86		mg/Kg	☼	80	67 - 120
Atrazine	0.14	U	1.43	1.49		mg/Kg	☼	104	34 - 120
Benzaldehyde	0.35	U	1.43	1.40	E	mg/Kg	☼	98	28 - 150
Benzidine	0.35	U	3.58	0.892		mg/Kg	☼	25	10 - 120
Benzo[a]anthracene	0.035	U	3.58	2.93		mg/Kg	☼	82	69 - 120
Benzo[a]pyrene	0.011	J	3.58	3.31		mg/Kg	☼	92	66 - 123
Benzo[b]fluoranthene	0.014	J	3.58	3.11		mg/Kg	☼	86	70 - 125
Benzo[g,h,i]perylene	0.35	U	3.58	2.88		mg/Kg	☼	80	66 - 120
Benzo[k]fluoranthene	0.035	U	3.58	2.98		mg/Kg	☼	83	71 - 122
Bis(2-chloroethoxy)methane	0.35	U	3.58	2.71		mg/Kg	☼	76	62 - 120
Bis(2-chloroethyl)ether	0.035	U	3.58	2.72		mg/Kg	☼	76	54 - 120
Bis(2-ethylhexyl) phthalate	0.35	U	3.58	3.02		mg/Kg	☼	84	68 - 125
Butyl benzyl phthalate	0.35	U	3.58	3.01		mg/Kg	☼	84	69 - 127
Caprolactam	0.35	U	1.43	1.53		mg/Kg	☼	107	26 - 150
Carbazole	0.35	U	3.58	2.82		mg/Kg	☼	79	64 - 120
Chrysene	0.35	U	3.58	2.93		mg/Kg	☼	82	63 - 120
Dibenz(a,h)anthracene	0.035	U	3.58	2.97		mg/Kg	☼	83	66 - 128
Dibenzofuran	0.35	U	3.58	2.82		mg/Kg	☼	79	70 - 120
Diethyl phthalate	0.35	U	3.58	2.77		mg/Kg	☼	77	69 - 120
Dimethyl phthalate	0.35	U	3.58	2.78		mg/Kg	☼	78	70 - 120
Di-n-butyl phthalate	0.35	U	3.58	2.97		mg/Kg	☼	83	66 - 120
Di-n-octyl phthalate	0.35	U	3.58	3.27		mg/Kg	☼	91	65 - 143
Fluoranthene	0.017	J	3.58	2.78		mg/Kg	☼	77	66 - 120
Fluorene	0.35	U	3.58	2.81		mg/Kg	☼	78	70 - 120
Hexachlorobenzene	0.035	U	3.58	2.76		mg/Kg	☼	77	56 - 120
Hexachlorobutadiene	0.072	U	3.58	2.74		mg/Kg	☼	77	62 - 120
Hexachlorocyclopentadiene	0.35	U *	3.58	0.522	*	mg/Kg	☼	15	38 - 120
Hexachloroethane	0.035	U	3.58	2.65		mg/Kg	☼	74	57 - 120

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-288839-A-13-C MS
Matrix: Solid
Analysis Batch: 934123

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 934056

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Indeno[1,2,3-cd]pyrene	0.035	U	3.58	3.27		mg/Kg	☼	91	62 - 148
Isophorone	0.14	U	3.58	2.71		mg/Kg	☼	76	60 - 120
Naphthalene	0.35	U	3.58	2.77		mg/Kg	☼	77	63 - 120
Nitrobenzene	0.035	U	3.58	2.82		mg/Kg	☼	79	63 - 120
N-Nitrosodi-n-propylamine	0.035	U	3.58	2.83		mg/Kg	☼	79	55 - 120
N-Nitrosodiphenylamine	0.35	U	3.58	2.87		mg/Kg	☼	80	63 - 120
Pentachlorophenol	0.29	U	7.16	6.06		mg/Kg	☼	85	51 - 126
Phenanthrene	0.35	U	3.58	2.87		mg/Kg	☼	80	66 - 120
Phenol	0.35	U	3.58	2.75		mg/Kg	☼	77	57 - 120
Pyrene	0.017	J	3.58	3.04		mg/Kg	☼	84	67 - 121
Pyridine	0.35	U	7.16	4.44		mg/Kg	☼	62	37 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	82		24 - 137
2-Fluorobiphenyl	92		48 - 120
2-Fluorophenol (Surr)	92		31 - 120
Nitrobenzene-d5 (Surr)	92		38 - 120
Phenol-d5 (Surr)	95		39 - 120
Terphenyl-d14 (Surr)	97		25 - 126

Lab Sample ID: 460-288839-A-13-D MSD
Matrix: Solid
Analysis Batch: 934123

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 934056

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl	0.35	U	3.58	2.93		mg/Kg	☼	82	68 - 120	2	30
1,2,4,5-Tetrachlorobenzene	0.35	U	3.58	2.87		mg/Kg	☼	80	65 - 120	2	30
1,2-Diphenylhydrazine	0.35	U	3.58	2.99		mg/Kg	☼	84	52 - 125	1	30
1,4-Dioxane	0.035	U	3.58	2.30		mg/Kg	☼	64	30 - 120	3	30
2,2'-oxybis[1-chloropropane]	0.35	U	3.58	2.78		mg/Kg	☼	77	43 - 126	3	30
2,3,4,6-Tetrachlorophenol	0.35	U	3.58	2.81		mg/Kg	☼	78	66 - 127	1	30
2,4,5-Trichlorophenol	0.35	U	3.58	2.92		mg/Kg	☼	82	67 - 120	4	30
2,4,6-Trichlorophenol	0.14	U	3.58	3.03		mg/Kg	☼	85	67 - 120	3	30
2,4-Dichlorophenol	0.14	U	3.58	2.98		mg/Kg	☼	83	66 - 120	2	30
2,4-Dimethylphenol	0.35	U *	3.58	2.15	*	mg/Kg	☼	60	62 - 120	2	30
2,4-Dinitrophenol	0.29	U	7.17	5.79		mg/Kg	☼	81	27 - 150	5	30
2,4-Dinitrotoluene	0.072	U	3.58	3.10		mg/Kg	☼	86	70 - 131	3	30
2,6-Dinitrotoluene	0.072	U	3.58	3.04		mg/Kg	☼	85	72 - 121	3	30
2-Chloronaphthalene	0.35	U	3.58	2.89		mg/Kg	☼	81	68 - 120	2	30
2-Chlorophenol	0.35	U	3.58	2.83		mg/Kg	☼	79	63 - 120	1	30
2-Methylnaphthalene	0.35	U	3.58	2.86		mg/Kg	☼	80	64 - 120	2	30
2-Methylphenol	0.35	U	3.58	2.75		mg/Kg	☼	77	58 - 120	2	30
2-Nitroaniline	0.35	U	3.58	2.97		mg/Kg	☼	83	48 - 129	2	30
2-Nitrophenol	0.35	U	3.58	2.89		mg/Kg	☼	81	64 - 120	4	30
3,3'-Dichlorobenzidine	0.14	U	3.58	2.06		mg/Kg	☼	57	10 - 136	4	30
3-Nitroaniline	0.35	U	3.58	2.26		mg/Kg	☼	63	20 - 132	5	30
4,6-Dinitro-2-methylphenol	0.29	U	7.17	6.61		mg/Kg	☼	92	47 - 150	2	30
4-Bromophenyl phenyl ether	0.35	U	3.58	2.96		mg/Kg	☼	82	62 - 120	2	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-288839-A-13-D MSD
Matrix: Solid
Analysis Batch: 934123

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 934056

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4-Chloro-3-methylphenol	0.35	U	3.58	2.86		mg/Kg	☼	80	66 - 120	3	30
4-Chloroaniline	0.35	U	3.58	1.42		mg/Kg	☼	40	10 - 128	3	30
4-Chlorophenyl phenyl ether	0.35	U	3.58	2.87		mg/Kg	☼	80	69 - 120	3	30
4-Methylphenol	0.35	U	3.58	2.81		mg/Kg	☼	78	55 - 120	2	30
4-Nitroaniline	0.35	U	3.58	2.71		mg/Kg	☼	76	52 - 120	3	30
4-Nitrophenol	0.72	U	7.17	5.73		mg/Kg	☼	80	43 - 135	3	30
Acenaphthene	0.35	U	3.58	2.97		mg/Kg	☼	83	61 - 120	2	30
Acenaphthylene	0.35	U	3.58	2.81		mg/Kg	☼	78	64 - 120	2	30
Acetophenone	0.35	U	3.58	2.63		mg/Kg	☼	73	57 - 120	3	30
Anthracene	0.35	U	3.58	2.89		mg/Kg	☼	81	67 - 120	1	30
Atrazine	0.14	U	1.43	1.57		mg/Kg	☼	109	34 - 120	5	30
Benzaldehyde	0.35	U	1.43	1.48	E	mg/Kg	☼	103	28 - 150	5	30
Benzidine	0.35	U	3.58	0.926		mg/Kg	☼	26	10 - 120	4	30
Benzo[a]anthracene	0.035	U	3.58	3.01		mg/Kg	☼	84	69 - 120	2	30
Benzo[a]pyrene	0.011	J	3.58	3.38		mg/Kg	☼	94	66 - 123	2	30
Benzo[b]fluoranthene	0.014	J	3.58	3.18		mg/Kg	☼	88	70 - 125	2	30
Benzo[g,h,i]perylene	0.35	U	3.58	2.91		mg/Kg	☼	81	66 - 120	1	30
Benzo[k]fluoranthene	0.035	U	3.58	3.08		mg/Kg	☼	86	71 - 122	3	30
Bis(2-chloroethoxy)methane	0.35	U	3.58	2.78		mg/Kg	☼	78	62 - 120	2	30
Bis(2-chloroethyl)ether	0.035	U	3.58	2.78		mg/Kg	☼	77	54 - 120	2	30
Bis(2-ethylhexyl) phthalate	0.35	U	3.58	3.15		mg/Kg	☼	88	68 - 125	4	30
Butyl benzyl phthalate	0.35	U	3.58	3.17		mg/Kg	☼	88	69 - 127	5	30
Caprolactam	0.35	U	1.43	1.65		mg/Kg	☼	115	26 - 150	7	30
Carbazole	0.35	U	3.58	2.87		mg/Kg	☼	80	64 - 120	2	30
Chrysene	0.35	U	3.58	3.01		mg/Kg	☼	84	63 - 120	3	30
Dibenz(a,h)anthracene	0.035	U	3.58	2.97		mg/Kg	☼	83	66 - 128	0	30
Dibenzofuran	0.35	U	3.58	2.86		mg/Kg	☼	80	70 - 120	2	30
Diethyl phthalate	0.35	U	3.58	2.86		mg/Kg	☼	80	69 - 120	3	30
Dimethyl phthalate	0.35	U	3.58	2.88		mg/Kg	☼	80	70 - 120	4	30
Di-n-butyl phthalate	0.35	U	3.58	3.07		mg/Kg	☼	86	66 - 120	3	30
Di-n-octyl phthalate	0.35	U	3.58	3.41		mg/Kg	☼	95	65 - 143	4	30
Fluoranthene	0.017	J	3.58	2.83		mg/Kg	☼	79	66 - 120	2	30
Fluorene	0.35	U	3.58	2.89		mg/Kg	☼	81	70 - 120	3	30
Hexachlorobenzene	0.035	U	3.58	2.87		mg/Kg	☼	80	56 - 120	4	30
Hexachlorobutadiene	0.072	U	3.58	2.85		mg/Kg	☼	80	62 - 120	4	30
Hexachlorocyclopentadiene	0.35	U *	3.58	0.536	*	mg/Kg	☼	15	38 - 120	3	30
Hexachloroethane	0.035	U	3.58	2.74		mg/Kg	☼	76	57 - 120	3	30
Indeno[1,2,3-cd]pyrene	0.035	U	3.58	3.34		mg/Kg	☼	93	62 - 148	2	30
Isophorone	0.14	U	3.58	2.78		mg/Kg	☼	78	60 - 120	2	30
Naphthalene	0.35	U	3.58	2.81		mg/Kg	☼	78	63 - 120	1	30
Nitrobenzene	0.035	U	3.58	2.90		mg/Kg	☼	81	63 - 120	3	30
N-Nitrosodi-n-propylamine	0.035	U	3.58	2.88		mg/Kg	☼	80	55 - 120	2	30
N-Nitrosodiphenylamine	0.35	U	3.58	2.96		mg/Kg	☼	83	63 - 120	3	30
Pentachlorophenol	0.29	U	7.17	6.18		mg/Kg	☼	86	51 - 126	2	30
Phenanthrene	0.35	U	3.58	2.93		mg/Kg	☼	82	66 - 120	2	30
Phenol	0.35	U	3.58	2.83		mg/Kg	☼	79	57 - 120	3	30
Pyrene	0.017	J	3.58	3.11		mg/Kg	☼	86	67 - 121	3	30
Pyridine	0.35	U	7.17	4.56		mg/Kg	☼	64	37 - 120	3	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-288839-A-13-D MSD
Matrix: Solid
Analysis Batch: 934123

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 934056

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*86*		*24 - 137*
2-Fluorobiphenyl	*94*		*48 - 120*
2-Fluorophenol (Surr)	*95*		*31 - 120*
Nitrobenzene-d5 (Surr)	*93*		*38 - 120*
Phenol-d5 (Surr)	*97*		*39 - 120*
Terphenyl-d14 (Surr)	*101*		*25 - 126*

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 460-934221/5
Matrix: Solid
Analysis Batch: 934221

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO	2.5	U	2.5	2.5	mg/Kg			09/25/23 12:08	50

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*106*		*80 - 150*		*09/25/23 12:08*	*50*

Lab Sample ID: LCS 460-934221/2
Matrix: Solid
Analysis Batch: 934221

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
GRO			20.0	19.8		mg/Kg		99	77 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*98*		*80 - 150*

Lab Sample ID: LCSD 460-934221/3
Matrix: Solid
Analysis Batch: 934221

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
GRO			20.0	20.2		mg/Kg		101	77 - 120	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*109*		*80 - 150*

Method: 8015D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 460-934371/1-A
Matrix: Solid
Analysis Batch: 934918

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 934371

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C44	8.7	U	8.7	0.55	mg/Kg		09/25/23 21:12	09/28/23 08:55	1

Method: 8015D - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 460-934371/1-A
Matrix: Solid
Analysis Batch: 934918

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 934371

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	114		10 - 150	09/25/23 21:12	09/28/23 08:55	1

Lab Sample ID: LCS 460-934371/2-A
Matrix: Solid
Analysis Batch: 934918

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 934371

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	111		10 - 150

Lab Sample ID: LCSD 460-934371/3-A
Matrix: Solid
Analysis Batch: 934918

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 934371

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
o-Terphenyl	96		10 - 150

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 460-934020/1-A
Matrix: Solid
Analysis Batch: 934213

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 934020

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.067	U	0.067	0.018	mg/Kg		09/23/23 16:03	09/25/23 08:41	1
Aroclor 1016	0.067	U	0.067	0.018	mg/Kg		09/23/23 16:03	09/25/23 08:41	1
Aroclor 1221	0.067	U	0.067	0.018	mg/Kg		09/23/23 16:03	09/25/23 08:41	1
Aroclor 1221	0.067	U	0.067	0.018	mg/Kg		09/23/23 16:03	09/25/23 08:41	1
Aroclor 1232	0.067	U	0.067	0.018	mg/Kg		09/23/23 16:03	09/25/23 08:41	1
Aroclor 1232	0.067	U	0.067	0.018	mg/Kg		09/23/23 16:03	09/25/23 08:41	1
Aroclor 1242	0.067	U	0.067	0.018	mg/Kg		09/23/23 16:03	09/25/23 08:41	1
Aroclor 1242	0.067	U	0.067	0.018	mg/Kg		09/23/23 16:03	09/25/23 08:41	1
Aroclor 1248	0.067	U	0.067	0.018	mg/Kg		09/23/23 16:03	09/25/23 08:41	1
Aroclor 1248	0.067	U	0.067	0.018	mg/Kg		09/23/23 16:03	09/25/23 08:41	1
Aroclor 1254	0.067	U	0.067	0.018	mg/Kg		09/23/23 16:03	09/25/23 08:41	1
Aroclor 1254	0.067	U	0.067	0.018	mg/Kg		09/23/23 16:03	09/25/23 08:41	1
Aroclor 1260	0.067	U	0.067	0.018	mg/Kg		09/23/23 16:03	09/25/23 08:41	1
Aroclor 1260	0.067	U	0.067	0.018	mg/Kg		09/23/23 16:03	09/25/23 08:41	1
Aroclor 1268	0.067	U	0.067	0.018	mg/Kg		09/23/23 16:03	09/25/23 08:41	1
Aroclor 1268	0.067	U	0.067	0.018	mg/Kg		09/23/23 16:03	09/25/23 08:41	1
Aroclor-1262	0.067	U	0.067	0.018	mg/Kg		09/23/23 16:03	09/25/23 08:41	1
Aroclor-1262	0.067	U	0.067	0.018	mg/Kg		09/23/23 16:03	09/25/23 08:41	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.018	mg/Kg		09/23/23 16:03	09/25/23 08:41	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.018	mg/Kg		09/23/23 16:03	09/25/23 08:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	87		34 - 150	09/23/23 16:03	09/25/23 08:41	1
DCB Decachlorobiphenyl	89		34 - 150	09/23/23 16:03	09/25/23 08:41	1
Tetrachloro-m-xylene	78		34 - 150	09/23/23 16:03	09/25/23 08:41	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 460-934020/1-A
Matrix: Solid
Analysis Batch: 934213

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 934020

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	73		34 - 150	09/23/23 16:03	09/25/23 08:41	1

Lab Sample ID: LCS 460-934020/2-A
Matrix: Solid
Analysis Batch: 934213

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 934020

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Aroclor 1016			0.333	0.378		mg/Kg		113	61 - 133		
Aroclor 1016			0.333	0.412		mg/Kg		124	61 - 133		
Aroclor 1260			0.333	0.400		mg/Kg		120	59 - 150		
Aroclor 1260			0.333	0.411		mg/Kg		123	59 - 150		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	82		34 - 150
DCB Decachlorobiphenyl	90		34 - 150
Tetrachloro-m-xylene	75		34 - 150
Tetrachloro-m-xylene	80		34 - 150

Lab Sample ID: LCSD 460-934020/3-A
Matrix: Solid
Analysis Batch: 934213

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 934020

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016			0.333	0.419		mg/Kg		126	61 - 133	10	30
Aroclor 1016			0.333	0.409		mg/Kg		123	61 - 133	1	30
Aroclor 1260			0.333	0.454		mg/Kg		136	59 - 150	13	30
Aroclor 1260			0.333	0.419		mg/Kg		126	59 - 150	2	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl	93		34 - 150
DCB Decachlorobiphenyl	91		34 - 150
Tetrachloro-m-xylene	84		34 - 150
Tetrachloro-m-xylene	77		34 - 150

Lab Sample ID: 460-288605-F-2-D MS
Matrix: Solid
Analysis Batch: 934213

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 934020

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Aroclor 1016	0.083	U	0.413	0.474		mg/Kg	☼	115	61 - 133		
Aroclor 1016	0.083	U	0.413	0.492		mg/Kg	☼	119	61 - 133		
Aroclor 1260	0.083	U	0.413	0.526		mg/Kg	☼	128	59 - 150		
Aroclor 1260	0.083	U	0.413	0.518		mg/Kg	☼	125	59 - 150		

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl	96		34 - 150
DCB Decachlorobiphenyl	98		34 - 150

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 460-288605-F-2-D MS
Matrix: Solid
Analysis Batch: 934213

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 934020

Surrogate	MS %Recovery	MS Qualifier	Limits
Tetrachloro-m-xylene	70		34 - 150
Tetrachloro-m-xylene	63		34 - 150

Lab Sample ID: 460-288605-F-2-E MSD
Matrix: Solid
Analysis Batch: 934213

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 934020

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016	0.083	U	0.413	0.535		mg/Kg	☼	130	61 - 133	12	30
Aroclor 1016	0.083	U	0.413	0.626	*	mg/Kg	☼	152	61 - 133	24	30
Aroclor 1260	0.083	U	0.413	0.565		mg/Kg	☼	137	59 - 150	7	30
Aroclor 1260	0.083	U	0.413	0.650	*	mg/Kg	☼	157	59 - 150	23	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl	117		34 - 150
DCB Decachlorobiphenyl	122		34 - 150
Tetrachloro-m-xylene	85		34 - 150
Tetrachloro-m-xylene	78		34 - 150

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 460-934149/1-A
Matrix: Solid
Analysis Batch: 934300

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 934149

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.0	U	1.0	0.10	mg/Kg		09/24/23 19:30	09/25/23 19:01	1
Barium	2.0	U	2.0	0.15	mg/Kg		09/24/23 19:30	09/25/23 19:01	1
Cadmium	1.0	U	1.0	0.11	mg/Kg		09/24/23 19:30	09/25/23 19:01	1
Chromium	2.0	U	2.0	0.91	mg/Kg		09/24/23 19:30	09/25/23 19:01	1
Lead	0.60	U	0.60	0.20	mg/Kg		09/24/23 19:30	09/25/23 19:01	1
Selenium	1.3	U	1.3	0.13	mg/Kg		09/24/23 19:30	09/25/23 19:01	1
Silver	0.40	U	0.40	0.089	mg/Kg		09/24/23 19:30	09/25/23 19:01	1

Lab Sample ID: LCSSRM 460-934149/2-A ^5
Matrix: Solid
Analysis Batch: 934300

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 934149

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	180	182.8		mg/Kg		101.5	81.1 - 119.4
Barium	354	359.5		mg/Kg		101.5	81.6 - 118.1
Cadmium	105	106.7		mg/Kg		101.7	82.8 - 118.1
Chromium	232	235.6		mg/Kg		101.5	81.5 - 118.5
Lead	145	144.7		mg/Kg		99.8	82.1 - 117.9

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSSRM 460-934149/2-A ^5
Matrix: Solid
Analysis Batch: 934300

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 934149

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Selenium	96.3	95.79		mg/Kg		99.5	78.8 - 121.5
Silver	47.3	47.84		mg/Kg		101.1	79.5 - 120.5

Lab Sample ID: 460-288711-F-4-C MS
Matrix: Solid
Analysis Batch: 934300

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 934149

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	10.5		8.63	19.08		mg/Kg	☼	100	75 - 125
Barium	17.3		8.63	26.95		mg/Kg	☼	112	75 - 125
Cadmium	0.87	U	4.32	4.11		mg/Kg	☼	95	75 - 125
Chromium	49.6		8.63	62.99	4	mg/Kg	☼	155	75 - 125
Lead	8.1		4.32	12.79		mg/Kg	☼	110	75 - 125
Selenium	0.49	J	8.63	7.68		mg/Kg	☼	83	75 - 125
Silver	0.35	U	4.32	4.19		mg/Kg	☼	97	75 - 125

Lab Sample ID: 460-288711-F-4-B DU
Matrix: Solid
Analysis Batch: 934300

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 934149

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	10.5		10.36		mg/Kg	☼	0.9	20
Barium	17.3		16.79		mg/Kg	☼	3	20
Cadmium	0.87	U	0.86	U	mg/Kg	☼	NC	20
Chromium	49.6		49.88		mg/Kg	☼	0.5	20
Lead	8.1		8.06		mg/Kg	☼	0	20
Selenium	0.49	J	0.498	J	mg/Kg	☼	2	20
Silver	0.35	U	0.35	U	mg/Kg	☼	NC	20

Lab Sample ID: MB 460-934725/1-A
Matrix: Solid
Analysis Batch: 934777

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 934725

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.0	U	2.0	0.89	ug/L		09/27/23 11:17	09/27/23 19:18	1
Barium	4.0	U	4.0	0.91	ug/L		09/27/23 11:17	09/27/23 19:18	1
Cadmium	2.0	U	2.0	0.39	ug/L		09/27/23 11:17	09/27/23 19:18	1
Chromium	4.0	U	4.0	2.5	ug/L		09/27/23 11:17	09/27/23 19:18	1
Lead	1.2	U	1.2	0.84	ug/L		09/27/23 11:17	09/27/23 19:18	1
Selenium	2.5	U	2.5	0.59	ug/L		09/27/23 11:17	09/27/23 19:18	1
Silver	2.0	U	2.0	0.29	ug/L		09/27/23 11:17	09/27/23 19:18	1

Lab Sample ID: LCS 460-934725/2-A ^10
Matrix: Solid
Analysis Batch: 934777

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 934725

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	5000	4845		ug/L		97	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 460-934725/2-A ^10
Matrix: Solid
Analysis Batch: 934777

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 934725

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	10000	9443		ug/L		94	80 - 120
Cadmium	1000	985.8		ug/L		99	80 - 120
Chromium	5000	4970		ug/L		99	80 - 120
Lead	5000	4844		ug/L		97	80 - 120
Selenium	1000	960.7		ug/L		96	80 - 120
Silver	500	507.1		ug/L		101	80 - 120

Lab Sample ID: LB 460-934517/1-B ^10
Matrix: Solid
Analysis Batch: 934777

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 934725

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	20.0	U	20.0	8.9	ug/L		09/27/23 11:17	09/27/23 20:25	10
Barium	40.0	U	40.0	9.1	ug/L		09/27/23 11:17	09/27/23 20:25	10
Cadmium	20.0	U	20.0	3.9	ug/L		09/27/23 11:17	09/27/23 20:25	10
Chromium	40.0	U	40.0	25.0	ug/L		09/27/23 11:17	09/27/23 20:25	10
Lead	12.0	U	12.0	8.4	ug/L		09/27/23 11:17	09/27/23 20:25	10
Selenium	25.0	U	25.0	5.9	ug/L		09/27/23 11:17	09/27/23 20:25	10
Silver	20.0	U	20.0	2.9	ug/L		09/27/23 11:17	09/27/23 20:25	10

Lab Sample ID: 460-288839-A-1-G MS ^10
Matrix: Solid
Analysis Batch: 934777

Client Sample ID: Matrix Spike
Prep Type: TCLP
Prep Batch: 934725

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	20.0	U	5000	4956		ug/L		99	75 - 125
Barium	133		10000	9858		ug/L		97	75 - 125
Cadmium	20.0	U	1000	1032		ug/L		103	75 - 125
Chromium	40.0	U	5000	5042		ug/L		101	75 - 125
Lead	56.9		5000	5113		ug/L		101	75 - 125
Selenium	25.0	U	1000	1032		ug/L		103	75 - 125
Silver	20.0	U	500	517.2		ug/L		103	75 - 125

Lab Sample ID: 460-288839-A-1-F DU ^10
Matrix: Solid
Analysis Batch: 934777

Client Sample ID: Duplicate
Prep Type: TCLP
Prep Batch: 934725

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	20.0	U	20.0	U	ug/L		NC	20
Barium	133		132.8		ug/L		0.2	20
Cadmium	20.0	U	20.0	U	ug/L		NC	20
Chromium	40.0	U	40.0	U	ug/L		NC	20
Lead	56.9		62.59		ug/L		10	20
Selenium	25.0	U	25.0	U	ug/L		NC	20
Silver	20.0	U	20.0	U	ug/L		NC	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 460-934749/1-A
Matrix: Solid
Analysis Batch: 934805

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 934749

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		09/27/23 12:45	09/27/23 16:10	1

Lab Sample ID: LCS 460-934749/2-A
Matrix: Solid
Analysis Batch: 934805

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 934749

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	5.26		ug/L		105	80 - 120

Lab Sample ID: LB 460-934517/1-C
Matrix: Solid
Analysis Batch: 934805

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 934749

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		09/27/23 12:45	09/27/23 17:07	1

Lab Sample ID: LB 460-934520/1-C
Matrix: Solid
Analysis Batch: 934805

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 934749

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0942	J	0.20	0.091	ug/L		09/27/23 12:45	09/27/23 17:09	1

Lab Sample ID: 460-288839-D-31-H MS ^2
Matrix: Solid
Analysis Batch: 934805

Client Sample ID: Matrix Spike
Prep Type: TCLP
Prep Batch: 934749

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	7.8	B	5.00	12.82		ug/L		100	75 - 125

Lab Sample ID: 460-288839-D-31-G DU
Matrix: Solid
Analysis Batch: 934805

Client Sample ID: Duplicate
Prep Type: TCLP
Prep Batch: 934749

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	7.8	B	7.26		ug/L		7	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 460-934617/1-A
Matrix: Solid
Analysis Batch: 934669

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 934617

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0080	mg/Kg		09/27/23 00:49	09/27/23 05:34	1

Method: 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: LCSSRM 460-934617/2-A ^40
Matrix: Solid
Analysis Batch: 934669

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 934617

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	10.3	10.67		mg/Kg		103.6	55.0 - 143.7

Lab Sample ID: 460-288827-E-1-G MS
Matrix: Solid
Analysis Batch: 934669

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 934617

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.043		0.0837	0.127		mg/Kg	☼	100	80 - 120

Lab Sample ID: 460-288827-E-1-F DU
Matrix: Solid
Analysis Batch: 934669

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 934617

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.043		0.0450		mg/Kg	☼	4	20

Method: 1030 - Ignitability, Solids

Lab Sample ID: 460-288749-B-1 DU
Matrix: Solid
Analysis Batch: 934766

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Burn Rate	2.20	U	2.20	U	mm/sec		NC	10

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 460-934919/2-A
Matrix: Solid
Analysis Batch: 935027

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 934919

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.24	U	0.24	0.13	mg/Kg		09/28/23 08:19	09/28/23 14:16	1

Lab Sample ID: LCSSRM 460-934919/3-A ^20
Matrix: Solid
Analysis Batch: 935027

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 934919

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	115	57.60		mg/Kg		50.1	25.6 - 125.2

Lab Sample ID: MRL 460-934919/1-A
Matrix: Solid
Analysis Batch: 935027

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 934919

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.0100	0.0103		mg/L		103	50 - 150

Method: 9012B - Cyanide, Total andor Amenable (Continued)

Lab Sample ID: 460-288827-F-1-B MS
Matrix: Solid
Analysis Batch: 935027

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 934919

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.26	U	5.23	5.25		mg/Kg	☼	100	23 - 100

Lab Sample ID: 460-288827-F-1-C MSD
Matrix: Solid
Analysis Batch: 935027

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 934919

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	0.26	U	5.23	5.51	N	mg/Kg	☼	105	23 - 100	5	40

Method: 9014 - Cyanide, Reactive

Lab Sample ID: MB 460-935024/1-A
Matrix: Solid
Analysis Batch: 935065

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 935024

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		09/28/23 15:37	09/28/23 17:47	1

Lab Sample ID: LCS 460-935024/2-A
Matrix: Solid
Analysis Batch: 935065

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 935024

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Reactive	40.0	25.0	U	mg/Kg		12	10 - 100

Lab Sample ID: 460-288808-B-1-M DU
Matrix: Solid
Analysis Batch: 935065

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 935024

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cyanide, Reactive	25.0	U	25.0	U	mg/Kg		NC	10

Method: 9034 - Sulfide, Reactive

Lab Sample ID: MB 460-935023/1-A
Matrix: Solid
Analysis Batch: 935063

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 935023

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		09/28/23 15:34	09/28/23 17:45	1

Lab Sample ID: LCSSRM 460-935023/3-A
Matrix: Solid
Analysis Batch: 935063

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 935023

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide, Reactive	50.7	52.90		mg/Kg		104.3	41.2 - 146.9

Method: 9034 - Sulfide, Reactive (Continued)

Lab Sample ID: 460-288808-B-1-J MS
Matrix: Solid
Analysis Batch: 935063

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 935023

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfide, Reactive	20.0	U	450	365.5		mg/Kg		81	64 - 136		

Lab Sample ID: 460-288808-B-1-K MSD
Matrix: Solid
Analysis Batch: 935063

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 935023

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide, Reactive	20.0	U	450	365.5		mg/Kg		81	64 - 136	0	10

Method: 9045D - pH

Lab Sample ID: LCSSRM 460-934958/2
Matrix: Solid
Analysis Batch: 934958

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits		
pH			6.27	6.3		SU		100.3	96.8 - 103.2		
Corrosivity			6.27	6.3		SU		100.0	96.8 - 103.2		

Lab Sample ID: 460-288831-2 DU
Matrix: Solid
Analysis Batch: 934958

Client Sample ID: WC-CB-C_20230922
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	7.5	HF		7.5		SU				0.5	10
Temperature	20.8	HF		20.9		Degrees C				0.5	10
Corrosivity	7.5	HF		7.5		SU				0.5	10

Method: Moisture - Percent Moisture

Lab Sample ID: 460-288815-D-1 DU
Matrix: Solid
Analysis Batch: 934236

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	8.3			9.4		%				13	20
Percent Solids	91.7			90.6		%				1	20

Lab Sample ID: 460-288821-D-7 DU
Matrix: Solid
Analysis Batch: 934353

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	17.1			14.4		%				18	20
Percent Solids	82.9			85.6		%				3	20

QC Association Summary

Client: AKRF Inc
Project/Site: 2647 Stillwell Ave, Brooklyn

Job ID: 460-288831-1

GC/MS VOA

Prep Batch: 933977

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-288831-1	WC-CB-G_20230922	Total/NA	Solid	5035	
LB3 460-933977/6-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 934427

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-288831-1	WC-CB-G_20230922	Total/NA	Solid	8260D	933977
LB3 460-933977/6-A	Method Blank	Total/NA	Solid	8260D	933977
MB 460-934427/8	Method Blank	Total/NA	Solid	8260D	
LCS 460-934427/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-934427/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

GC/MS Semi VOA

Prep Batch: 934056

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-288831-2	WC-CB-C_20230922	Total/NA	Solid	3546	
MB 460-934056/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-934056/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-934056/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-288839-A-13-C MS	Matrix Spike	Total/NA	Solid	3546	
460-288839-A-13-D MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 934123

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-288831-2	WC-CB-C_20230922	Total/NA	Solid	8270E	934056
MB 460-934056/1-A	Method Blank	Total/NA	Solid	8270E	934056
LCS 460-934056/2-A	Lab Control Sample	Total/NA	Solid	8270E	934056
LCSD 460-934056/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	934056
460-288839-A-13-C MS	Matrix Spike	Total/NA	Solid	8270E	934056
460-288839-A-13-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8270E	934056

GC VOA

Prep Batch: 933978

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-288831-1	WC-CB-G_20230922	Total/NA	Solid	5035	

Analysis Batch: 934221

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-288831-1	WC-CB-G_20230922	Total/NA	Solid	8015D	933978
MB 460-934221/5	Method Blank	Total/NA	Solid	8015D	
LCS 460-934221/2	Lab Control Sample	Total/NA	Solid	8015D	
LCSD 460-934221/3	Lab Control Sample Dup	Total/NA	Solid	8015D	

GC Semi VOA

Prep Batch: 934020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-288831-2	WC-CB-C_20230922	Total/NA	Solid	3546	
MB 460-934020/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-934020/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-934020/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

GC Semi VOA (Continued)

Prep Batch: 934020 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-288605-F-2-D MS	Matrix Spike	Total/NA	Solid	3546	
460-288605-F-2-E MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 934213

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-288831-2	WC-CB-C_20230922	Total/NA	Solid	8082A	934020
MB 460-934020/1-A	Method Blank	Total/NA	Solid	8082A	934020
LCS 460-934020/2-A	Lab Control Sample	Total/NA	Solid	8082A	934020
LCSD 460-934020/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	934020
460-288605-F-2-D MS	Matrix Spike	Total/NA	Solid	8082A	934020
460-288605-F-2-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8082A	934020

Prep Batch: 934371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-288831-2	WC-CB-C_20230922	Total/NA	Solid	3546	
MB 460-934371/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-934371/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-934371/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

Analysis Batch: 934918

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-288831-2	WC-CB-C_20230922	Total/NA	Solid	8015D	934371
MB 460-934371/1-A	Method Blank	Total/NA	Solid	8015D	934371
LCS 460-934371/2-A	Lab Control Sample	Total/NA	Solid	8015D	934371
LCSD 460-934371/3-A	Lab Control Sample Dup	Total/NA	Solid	8015D	934371

Metals

Prep Batch: 934149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-288831-2	WC-CB-C_20230922	Total/NA	Solid	3050B	
MB 460-934149/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 460-934149/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
460-288711-F-4-C MS	Matrix Spike	Total/NA	Solid	3050B	
460-288711-F-4-B DU	Duplicate	Total/NA	Solid	3050B	

Analysis Batch: 934300

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-288831-2	WC-CB-C_20230922	Total/NA	Solid	6020B	934149
MB 460-934149/1-A	Method Blank	Total/NA	Solid	6020B	934149
LCSSRM 460-934149/2-A ^5	Lab Control Sample	Total/NA	Solid	6020B	934149
460-288711-F-4-C MS	Matrix Spike	Total/NA	Solid	6020B	934149
460-288711-F-4-B DU	Duplicate	Total/NA	Solid	6020B	934149

Leach Batch: 934517

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-288831-2	WC-CB-C_20230922	TCLP	Solid	1311	
LB 460-934517/1-B ^10	Method Blank	TCLP	Solid	1311	
LB 460-934517/1-C	Method Blank	TCLP	Solid	1311	
460-288839-A-1-G MS ^10	Matrix Spike	TCLP	Solid	1311	
460-288839-A-1-F DU ^10	Duplicate	TCLP	Solid	1311	

Metals

Leach Batch: 934520

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-934520/1-C	Method Blank	TCLP	Solid	1311	
460-288839-D-31-H MS ^2	Matrix Spike	TCLP	Solid	1311	
460-288839-D-31-G DU	Duplicate	TCLP	Solid	1311	

Prep Batch: 934617

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-288831-2	WC-CB-C_20230922	Total/NA	Solid	7471B	
MB 460-934617/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-934617/2-A ^4	Lab Control Sample	Total/NA	Solid	7471B	
460-288827-E-1-G MS	Matrix Spike	Total/NA	Solid	7471B	
460-288827-E-1-F DU	Duplicate	Total/NA	Solid	7471B	

Analysis Batch: 934669

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-288831-2	WC-CB-C_20230922	Total/NA	Solid	7471B	934617
MB 460-934617/1-A	Method Blank	Total/NA	Solid	7471B	934617
LCSSRM 460-934617/2-A ^4	Lab Control Sample	Total/NA	Solid	7471B	934617
460-288827-E-1-G MS	Matrix Spike	Total/NA	Solid	7471B	934617
460-288827-E-1-F DU	Duplicate	Total/NA	Solid	7471B	934617

Prep Batch: 934725

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-288831-2	WC-CB-C_20230922	TCLP	Solid	3010A	934517
LB 460-934517/1-B ^10	Method Blank	TCLP	Solid	3010A	934517
MB 460-934725/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 460-934725/2-A ^10	Lab Control Sample	Total/NA	Solid	3010A	
460-288839-A-1-G MS ^10	Matrix Spike	TCLP	Solid	3010A	934517
460-288839-A-1-F DU ^10	Duplicate	TCLP	Solid	3010A	934517

Prep Batch: 934749

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-288831-2	WC-CB-C_20230922	TCLP	Solid	7470A	934517
LB 460-934517/1-C	Method Blank	TCLP	Solid	7470A	934517
LB 460-934520/1-C	Method Blank	TCLP	Solid	7470A	934520
MB 460-934749/1-A	Method Blank	Total/NA	Solid	7470A	
LCS 460-934749/2-A	Lab Control Sample	Total/NA	Solid	7470A	
460-288839-D-31-H MS ^2	Matrix Spike	TCLP	Solid	7470A	934520
460-288839-D-31-G DU	Duplicate	TCLP	Solid	7470A	934520

Analysis Batch: 934777

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-288831-2	WC-CB-C_20230922	TCLP	Solid	6020B	934725
LB 460-934517/1-B ^10	Method Blank	TCLP	Solid	6020B	934725
MB 460-934725/1-A	Method Blank	Total/NA	Solid	6020B	934725
LCS 460-934725/2-A ^10	Lab Control Sample	Total/NA	Solid	6020B	934725
460-288839-A-1-G MS ^10	Matrix Spike	TCLP	Solid	6020B	934725
460-288839-A-1-F DU ^10	Duplicate	TCLP	Solid	6020B	934725

Analysis Batch: 934805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-288831-2	WC-CB-C_20230922	TCLP	Solid	7470A	934749

Metals (Continued)

Analysis Batch: 934805 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-934517/1-C	Method Blank	TCLP	Solid	7470A	934749
LB 460-934520/1-C	Method Blank	TCLP	Solid	7470A	934749
MB 460-934749/1-A	Method Blank	Total/NA	Solid	7470A	934749
LCS 460-934749/2-A	Lab Control Sample	Total/NA	Solid	7470A	934749
460-288839-D-31-H MS ^2	Matrix Spike	TCLP	Solid	7470A	934749
460-288839-D-31-G DU	Duplicate	TCLP	Solid	7470A	934749

General Chemistry

Analysis Batch: 934236

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-288831-1	WC-CB-G_20230922	Total/NA	Solid	Moisture	
460-288759-A-3 MS	Matrix Spike	Total/NA	Solid	Moisture	
460-288759-A-3 MSD	Matrix Spike Duplicate	Total/NA	Solid	Moisture	
460-288815-D-1 DU	Duplicate	Total/NA	Solid	Moisture	

Analysis Batch: 934353

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-288831-2	WC-CB-C_20230922	Total/NA	Solid	Moisture	
460-288821-D-7 DU	Duplicate	Total/NA	Solid	Moisture	

Analysis Batch: 934766

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-288831-2	WC-CB-C_20230922	Total/NA	Solid	1030	
460-288749-B-1 DU	Duplicate	Total/NA	Solid	1030	

Prep Batch: 934919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-288831-2	WC-CB-C_20230922	Total/NA	Solid	9012B	
MB 460-934919/2-A	Method Blank	Total/NA	Solid	9012B	
LCSSRM 460-934919/3-A ^2	Lab Control Sample	Total/NA	Solid	9012B	
MRL 460-934919/1-A	Lab Control Sample	Total/NA	Solid	9012B	
460-288827-F-1-B MS	Matrix Spike	Total/NA	Solid	9012B	
460-288827-F-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	9012B	

Analysis Batch: 934958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-288831-2	WC-CB-C_20230922	Total/NA	Solid	9045D	
LCSSRM 460-934958/2	Lab Control Sample	Total/NA	Solid	9045D	
460-288831-2 DU	WC-CB-C_20230922	Total/NA	Solid	9045D	

Prep Batch: 935023

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-288831-2	WC-CB-C_20230922	Total/NA	Solid	7.3.4	
MB 460-935023/1-A	Method Blank	Total/NA	Solid	7.3.4	
LCSSRM 460-935023/3-A	Lab Control Sample	Total/NA	Solid	7.3.4	
460-288808-B-1-J MS	Matrix Spike	Total/NA	Solid	7.3.4	
460-288808-B-1-K MSD	Matrix Spike Duplicate	Total/NA	Solid	7.3.4	

QC Association Summary

Client: AKRF Inc
Project/Site: 2647 Stillwell Ave, Brooklyn

Job ID: 460-288831-1

General Chemistry

Prep Batch: 935024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-288831-2	WC-CB-C_20230922	Total/NA	Solid	7.3.3	
MB 460-935024/1-A	Method Blank	Total/NA	Solid	7.3.3	
LCS 460-935024/2-A	Lab Control Sample	Total/NA	Solid	7.3.3	
460-288808-B-1-M DU	Duplicate	Total/NA	Solid	7.3.3	

Analysis Batch: 935027

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-288831-2	WC-CB-C_20230922	Total/NA	Solid	9012B	934919
MB 460-934919/2-A	Method Blank	Total/NA	Solid	9012B	934919
LCSSRM 460-934919/3-A ^2	Lab Control Sample	Total/NA	Solid	9012B	934919
MRL 460-934919/1-A	Lab Control Sample	Total/NA	Solid	9012B	934919
460-288827-F-1-B MS	Matrix Spike	Total/NA	Solid	9012B	934919
460-288827-F-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	9012B	934919

Analysis Batch: 935063

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-288831-2	WC-CB-C_20230922	Total/NA	Solid	9034	935023
MB 460-935023/1-A	Method Blank	Total/NA	Solid	9034	935023
LCSSRM 460-935023/3-A	Lab Control Sample	Total/NA	Solid	9034	935023
460-288808-B-1-J MS	Matrix Spike	Total/NA	Solid	9034	935023
460-288808-B-1-K MSD	Matrix Spike Duplicate	Total/NA	Solid	9034	935023

Analysis Batch: 935065

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-288831-2	WC-CB-C_20230922	Total/NA	Solid	9014	935024
MB 460-935024/1-A	Method Blank	Total/NA	Solid	9014	935024
LCS 460-935024/2-A	Lab Control Sample	Total/NA	Solid	9014	935024
460-288808-B-1-M DU	Duplicate	Total/NA	Solid	9014	935024

Lab Chronicle

Client: AKRF Inc
Job ID: 460-288831-1
Project/Site: 2647 Stillwell Ave, Brooklyn

Client Sample ID: WC-CB-G_20230922
Lab Sample ID: 460-288831-1
Date Collected: 09/22/23 10:30
Matrix: Solid
Date Received: 09/22/23 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	934236	MVA	EET EDI	09/25/23 09:11

Client Sample ID: WC-CB-G_20230922
Lab Sample ID: 460-288831-1
Date Collected: 09/22/23 10:30
Matrix: Solid
Date Received: 09/22/23 19:00
Percent Solids: 68.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			933977	MXW	EET EDI	09/23/23 13:09
Total/NA	Analysis	8260D		1	934427	EMM	EET EDI	09/26/23 10:58
Total/NA	Prep	5035			933978	MXW	EET EDI	09/23/23 13:15
Total/NA	Analysis	8015D		50	934221	EMM	EET EDI	09/25/23 14:00

Client Sample ID: WC-CB-C_20230922
Lab Sample ID: 460-288831-2
Date Collected: 09/22/23 10:35
Matrix: Solid
Date Received: 09/22/23 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
TCLP	Leach	1311			934517	DAN	EET EDI	09/26/23 13:20 - 09/27/23 13:36 [1]
TCLP	Prep	3010A			934725	JKF	EET EDI	09/27/23 11:17
TCLP	Analysis	6020B		10	934777	LBD	EET EDI	09/27/23 20:23
TCLP	Leach	1311			934517	DAN	EET EDI	09/26/23 13:20 - 09/27/23 13:36 [1]
TCLP	Prep	7470A			934749	RBS	EET EDI	09/27/23 12:45
TCLP	Analysis	7470A		1	934805	RBS	EET EDI	09/27/23 16:43
Total/NA	Analysis	1030		1	934766	YAH	EET EDI	09/27/23 15:04
Total/NA	Prep	7.3.3			935024	YAH	EET EDI	09/28/23 15:37
Total/NA	Analysis	9014		1	935065	YAH	EET EDI	09/28/23 17:47
Total/NA	Prep	7.3.4			935023	YAH	EET EDI	09/28/23 15:34
Total/NA	Analysis	9034		1	935063	YAH	EET EDI	09/28/23 17:45
Total/NA	Analysis	9045D		1	934958	GSM	EET EDI	09/28/23 09:28
Total/NA	Analysis	Moisture		1	934353	CJC	EET EDI	09/25/23 19:14

Client Sample ID: WC-CB-C_20230922
Lab Sample ID: 460-288831-2
Date Collected: 09/22/23 10:35
Matrix: Solid
Date Received: 09/22/23 19:00
Percent Solids: 71.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			934056	AXB	EET EDI	09/24/23 07:14
Total/NA	Analysis	8270E		1	934123	YAH	EET EDI	09/25/23 01:13
Total/NA	Prep	3546			934371	GXY	EET EDI	09/25/23 21:12
Total/NA	Analysis	8015D		50	934918	AAA	EET EDI	09/28/23 12:42
Total/NA	Prep	3546			934020	ZXB	EET EDI	09/23/23 23:08
Total/NA	Analysis	8082A		1	934213	JHP	EET EDI	09/25/23 16:04
Total/NA	Prep	3050B			934149	GAE	EET EDI	09/24/23 19:30
Total/NA	Analysis	6020B		2	934300	YZH	EET EDI	09/25/23 16:07

Lab Chronicle

Client: AKRF Inc
Job ID: 460-288831-1
Project/Site: 2647 Stillwell Ave, Brooklyn

Client Sample ID: WC-CB-C_20230922
Lab Sample ID: 460-288831-2
Date Collected: 09/22/23 10:35
Matrix: Solid
Date Received: 09/22/23 19:00
Percent Solids: 71.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7471B			934617	TJS	EET EDI	09/27/23 00:49
Total/NA	Analysis	7471B		1	934669	TJS	EET EDI	09/27/23 06:06
Total/NA	Prep	9012B			934919	IAA	EET EDI	09/28/23 08:19
Total/NA	Analysis	9012B		1	935027	AXP	EET EDI	09/28/23 14:23

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: AKRF Inc
Job ID: 460-288831-1
Project/Site: 2647 Stillwell Ave, Brooklyn

Laboratory: Eurofins Edison

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury
9014	7.3.3	Solid	Cyanide, Reactive
9034	7.3.4	Solid	Sulfide, Reactive
9045D		Solid	Temperature
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: AKRF Inc
Job ID: 460-288831-1
Project/Site: 2647 Stillwell Ave, Brooklyn

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET EDI
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET EDI
8015D	Gasoline Range Organics (GRO) (GC)	SW846	EET EDI
8015D	Diesel Range Organics (DRO) (GC)	SW846	EET EDI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET EDI
6020B	Metals (ICP/MS)	SW846	EET EDI
7470A	Mercury (CVAA)	SW846	EET EDI
7471B	Mercury (CVAA)	SW846	EET EDI
1030	Ignitability, Solids	SW846	EET EDI
9012B	Cyanide, Total andor Amenable	SW846	EET EDI
9014	Cyanide, Reactive	SW846	EET EDI
9034	Sulfide, Reactive	SW846	EET EDI
9045D	pH	SW846	EET EDI
Moisture	Percent Moisture	EPA	EET EDI
1311	TCLP Extraction	SW846	EET EDI
3010A	Preparation, Total Metals	SW846	EET EDI
3050B	Preparation, Metals	SW846	EET EDI
3546	Microwave Extraction	SW846	EET EDI
5035	Closed System Purge and Trap	SW846	EET EDI
7.3.3	Cyanide, Reactive	SW846	EET EDI
7.3.4	Sulfide, Reactive	SW846	EET EDI
7470A	Preparation, Mercury	SW846	EET EDI
7471B	Preparation, Mercury	SW846	EET EDI
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	EET EDI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: AKRF Inc
Project/Site: 2647 Stillwell Ave, Brooklyn

Job ID: 460-288831-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-288831-1	WC-CB-G_20230922	Solid	09/22/23 10:30	09/22/23 19:00
460-288831-2	WC-CB-C_20230922	Solid	09/22/23 10:35	09/22/23 19:00

Address. ____________

YC 222

Chain of Custody Record

609496

eurofins | Environment Testing America

Regulatory Program ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TAL-8210

Client Contact	Project Manager: Adrianann Bosco	Site Contact: A. Cardenas	Date: 9/22/23
Company Name: AKRF, Inc	Tel/Email: AboscoC@AKRF.com	Lab Contact: M Maas	Carrier:
Address: 440 Park Ave S 7th Fl	Analysis Turnaround Time		COC No: 1 of 1 COCs
City/State/Zip: NY, NY 10016	☐ CALENDAR DAYS ☐ WORKING DAYS		Sampler:
Phone:	TAT if different from Below: Standard TAT		For Lab Use Only:
Fax:	☐ 2 weeks		Walk-in Client:
Project Name: 2647 Stillwell Ave	☐ 1 week		Lab Sampling:
Site: 2647 Stillwell Ave	☐ 2 days		Job / SDG No: 288831
P O # 220241	☐ 1 day		

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	TCL/SRS VOCs + 10 TICs	GRO	TCL/SRS SVOCs +20 TICs	PCBs	DRO C10 to C44	Total and TCLP RCRA metals	Ignitability, corrosivity, reactivity	Total Cyanide	Sample Specific Notes
WC-CB-G-20230922	9/22/23	1030	G	Soil	7			X	X							1
WC-CB-C-20230922	9/22/23	1035	C	Soil	3					X	X	X	X	X	X	2

460-288831 Chain of Custody

SHORT HOLD

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ____

Possible Hazard Identification
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal by Lab ☐ Archive for ____ Months

Special Instructions/QC Requirements & Comments.
Cat A deliverables

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No | Cooler Temp. (°C): Obs'd. ____ Corr'd. ____ | Therm ID No. ____

Relinquished by: A. Cardenas	Company: AKRF	Date/Time: 9/22/23 1205	Received by: [signature]	Company: TC NYC	Date/Time: 09/22/23 1300
Relinquished by: [signature]	Company: TA NYC	Date/Time: 09/22/23 1700	Received by: [signature]	Company: [illegible]	Date/Time: 9/22/23 1700
Relinquished by: [signature]	Company: [illegible]	Date/Time: 9/22/23 1900	Received in Laboratory by: [signature]	Company: ETA	Date/Time: 9/22/23 1900

1112 [illegible]

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 288831

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	1.1 °C	1.2	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted _____

Preservative Name/Conc. _____ Volume of Preservative used (ml) _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.

EDS-WI-038, Rev 4.1
10/22/2019

Initials: _____ Date: 9 2023

Login Sample Receipt Checklist

Client: AKRF Inc

Job Number: 460-288831-1

Login Number: 288831
List Number: 1
Creator: Rivera, Kenneth

List Source: Eurofins Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

APPENDIX E

DISPOSAL FACILITY APPROVAL AND PERMITS

Posillico Materials Approval Form
Approval No.: 23337D

Application Item 1 - Generator/Project Information
2647 Stillwell Avenue Property, LLC – 2647 Stillwell
2647 Stillwell Avenue, Brooklyn, New York, 11223
NYSDEC Brownfield Cleanup Program Site No. C224362

Application Item 3 - Client Information/Import Volume Approval for:
Eastern Environmental
258 Line Road, Manorville, New York, 11949

Application Item 5 - Material Information

- Estimated Quantity: 10 cubic yards
- Material Composition: Water Systems Catch Basin Materials
- Laboratory Results: York Analytical Laboratories Inc, Technical Reports 23G0850

Import Decision:
Posillico Materials has reviewed the submitted data and information listed above and has approved the **10 cubic yards or 15 tons** of water system catch basin materials as contaminated soils for the Contaminated Soil Bin via the Hydro-Tip at the Wash Plant Facility in Farmingdale. The Site is currently registered with the New York State Department of Environmental Conservation Brownfield Cleanup Program under Site No. C224362.

The analytical results indicated the proposed water system catch basin materials from the Site to be contaminated and non-hazardous. Waste characterization samples did not meet Part 360.13(f) General Fill Requirements for exceedances in Metals and Diesel Range Organics (DRO). Additionally, the generator has certified that the materials are not connected to sanitary systems.

The applicant warrants that the material proposed for shipment is in fact, the same material which was tested and is represented by the sample results provided with this application. All deliveries **must** be scheduled in advance all material will be weighed on scales.

Additional Requirements:

- Posillico Materials reserves the right to perform QA/QC sampling during the import of this material.
- All Contaminated Soil must use the NYSDEC Part 360 tracking form and must also be shipped in a truck with a valid Part 364 Permit registered with the NYSDEC.
- If any deleterious material (asbestos, wood, plastic, organics and general garbage) is encountered or identified, the load will be rejected at the gate or a surcharge will be applied.
- If the material is from a USEPA and/or NYSDEC Regulated Program Site, as per Part 361-5.4 (d), an approval letter must be included with the application indicating the material is acceptable for the facility.
- All material associated with sanitary systems is prohibited for processing at the facility.

Please contact me if you have any questions.

Justin Livore

Justin Livore
Environmental Engineer

Date: 10/11/2023

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Permits, Region 1
SUNY @ Stony Brook, 50 Circle Road, Stony Brook, NY 11790
P: (631) 444-0365 I F: (631) 444-0360
www.dec.ny.gov

May 4, 2023

Posillico Materials, LLC
1750 New Highway
Farmingdale, NY 11735

Re: Application #1-4720-00695/00009
Posillico Soil Wash Facility Permit Renewal

Dear Permittee:

In conformance with the requirements of the State Uniform Procedures Act (Article 70, ECL) and its implementing regulations (6NYCRR, Part 621) we are enclosing your renewed permit identified above. Please carefully read all permit conditions and the schedule contained in the permit carefully to ensure compliance during the term of the permit. If you are unable to comply with any conditions, please contact us at the above address.

This permit must always be kept available on the premises of the facility.

Sincerely,

Elyssa Scott
Environmental Analyst

cc: R. Keane
DEC Division of Materials Management
File

PERMIT

Under the Environmental Conservation Law (ECL)

Permittee and Facility Information

Permit Issued To:
POSILLICO MATERIALS, LLC
1750 NEW HWY
FARMINGDALE, NY 11735-1510
(631) 249-1872

Facility:
POSILLICO MATERIALS LLC
1610 NEW HWY
FARMINGDALE, NY 11735

Facility Application Contact:
THOMAS J POSILLICO
Posillico Materials East LLC
1750 New Hwy
Farmingdale, NY 11735-1562
(631) 390-5762

Facility Location: in BABYLON in SUFFOLK COUNTY
Facility Principal Reference Point: NYTM-E: 633.8 NYTM-N: 4511.5
Latitude: 40°44'36.9" Longitude: 73°24'54.8"

Authorized Activity: The permittee is authorized to operate a solid waste management facility receiving and processing the following:

a. 500 cubic yards per day based on a two week average, with a maximum of 850 cubic yards in any day, of recognizable uncontaminated concrete, asphalt, rock, brick, and soil (RUCARBS). An additional 2,000 cubic yards per day based on a two week average, with a maximum of 4,000 cubic yards in any day, of asphalt or recycled asphalt pavement (RAP) may also be received.

b. 2,000 cubic yards per day based on a two week average, with a maximum of 3,000 cubic yards on any day, of fill material destined to the soil wash plant. The fill material includes petroleum contaminated soil (PCS), contaminated fill material or soil, navigational dredged material, vacuum truck slurry material, general fill, and uncontaminated fill material or soil.

Solid Waste Management Activity No(s).:
Construction and Demolition Debris Handling and Recovery - 52CP0259

Facility Owner/Operator: Posillico Materials LLC is the facility owner and operator for the contaminated soil area, soil wash plant, RUCARBS Areas #1 and #2, and asphalt plant areas. Con-Strux, LLC is limited to being the operator of RUCARBS Area #3. These areas are described in the approved Engineering Report, Site Plans, and related documents.

Permit Authorizations

Solid Waste Management - Under Article 27, Title 7
Permit ID 1-4720-00695/00009
Renewal Effective Date: 5/4/2023 Expiration Date: 5/3/2028

NYSDEC Approval

By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, and all conditions included as part of this permit.

Permit Administrator: KEVIN A KISPERT, Deputy Regional Permit Administrator
Address: NYSDEC Region 1 Headquarters
SUNY @ Stony Brook|50 Circle Rd
Stony Brook, NY 11790 -3409

Authorized Signature: _____ Date 5/4/2023

Distribution List

THOMAS J POSILLICO
Materials Management
Elyssa E Scott

Permit Components

SOLID WASTE MANAGEMENT PERMIT CONDITIONS

GENERAL CONDITIONS, APPLY TO ALL AUTHORIZED PERMITS

NOTIFICATION OF OTHER PERMITTEE OBLIGATIONS

SOLID WASTE MANAGEMENT PERMIT CONDITIONS

1. **Conformance With Plans** All activities authorized by this permit must be in strict conformance with the permit application, plans and materials prepared by permittee or permittee's consultant on the date(s) specified in Permit Condition No. 2.

2. **Terms of Operation, Approval for Changes** The facility shall be operated in conformance with:

   a. Terms and conditions of this permit;

   b. 6NYCRR Part 360 Solid Waste Management Facilities regulations;

   c. The approved Engineering Report, revised October 2022, prepared by Robert S. Keane, P.E.

Any revision to the above approved documents identified in item (c) of this condition or to the operations at this site requires prior written approval from the Department. If these documents conflict with any condition of this permit, the permit condition shall prevail. Furthermore, the permittee must comply with a permit condition that is more stringent than a regulatory requirement.

The permittee shall not add a facility component that would otherwise qualify as an exempt or registered facility, unless the permittee first receives a modified permit to incorporate the additional component of the operation.

3. **Authorized Activity** The permittee is authorized to operate a solid waste management facility receiving and processing the following:

   a. 500 cubic yards per day based on a two week average, with a maximum of 850 cubic yards in any day, of recognizable uncontaminated concrete, asphalt, rock, brick, and soil (RUCARBS). An additional 2,000 cubic yards per day based on a two week average, with a maximum of 4,000 cubic yards in any day, of asphalt or recycled asphalt pavement (RAP) may also be received.

   b. 2,000 cubic yards per day based on a two week average, with a maximum of 3,000 cubic yards on any day, of fill material destined to the soil wash plant. The fill material includes petroleum contaminated soil (PCS), contaminated fill material or soil, navigational dredged material, vacuum truck slurry material, general fill, and uncontaminated fill material or soil.

4. **Other Activities** The permittee also conducts non-solid waste management facility operations at the site. These activities include receiving and processing of natural stone and sand from mining activities, and operation of an asphalt plant.

5. **Unacceptable Wastes** The permittee is prohibited from accepting friable asbestos-containing waste, ash residue, radioactive waste, hazardous waste, industrial waste, regulated medical waste, liquid waste, septage, sewage sludge, yard trimmings, tree debris, municipal solid waste (MSW), construction and demolition debris other than RUCARBS and fill material, and any other waste not specifically authorized for receipt.

6. **Soil Wash Plant Operations** All activities related to the soil wash plant must comply with the following requirements:

a. Waste Handling Requirements

i. All contaminated fill material and filter cake must be stored inside the contaminated soil storage building. Uncontaminated fill material may be stored outside of the building in RUCARBS Area #2.

ii. All activities with respect to contaminated fill material must take place on an concrete pad. All containment pads, liners, and enclosures must be constructed and maintained in accordance with the most current Suffolk County Department of Health Article 12 Permit.

iii. Vacuum truck slurry may only be tipped at the HydroTip pad area used for dewatering prior to storage inside the contaminated storage building.

iv. At the end of each day, and as needed throughout the workday, the site shall be swept clean.

v. The permittee shall ensure that the all storage areas which contain contaminated material is labeled on all sides with "Contaminated Soil Storage" and must be easily readable from a distance of 25 feet.

b. Analytical Sampling Requirements

i. Prior to receiving contaminated fill material, it must be sampled and analyzed at the generating site and shown to be non-hazardous. All sampling procedures, methods, and analysis must be acceptable to the Department, and must demonstrate the material qualifies for acceptance by the permittee under this permit.

ii. Fill material or soil contaminated with No. 2 fuel oil from residential properties, and fill material or soil generated from roadside spills contaminated with diesel fuel may be received without chemical analysis, provided a Department Spill Number is generated from the spill location. This provision does not apply to spills generated on industrial properties.

iii. Vacuum truck slurry waste generated from locations with minimal potential for contamination, and which does not exhibit visual or other indication of contamination, does not require chemical sampling prior to receiving.

iv. Navigational dredged material requires sampling prior to receipt. If the material meets the requirement of containing greater than 90% sand and gravel, as determined by grain size analysis, and contains less than 0.5% total organic carbon, it may be received without further sampling. Material exceeding these parameters must be sampled consistent with paragraph (b)(i) of this condition.

v. Inbound General Fill to RUCARBS Area #2 is subject to the RUCARBS Waste Handling and Quality Assurance Requirements for RUCARBS as outlined in this permit.

7. **Operations Related to Recongizable Uncontaminatd Concrete, Asphalt Pavement, Rock, Brick, and Soil (RUCARBS)** Operations related to RUCARBS, which includes asphalt or RAP, and general fill, must comply with the following:

a. Waste Handling Requirements

i. All activities related to RUCARBS may be conducted outdoors.

ii. At the end of each workday the facility and tipping areas shall be cleaned of any solid waste. All overnight storage of solid waste shall be in its respective storage area.

b. Quality Assurance of Incoming RUCARBS

The permittee shall ensure that waste control procedures acceptable to the Department are implemented to ensure that all incoming RUCARBS is acceptable pursuant to this permit. The Department may require the permittee to comply with paragraphs (i) and (ii) below for the receipt of solid waste from any source of solid waste to ensure conformance with this permit, and disapprove the permittee's acceptance of the solid waste or require removal of non- conforming solid waste, if already accepted at the facility.

i. Analytical sampling may be required for solid waste received from certain sources to ensure it is suitable for the facility to accept. All sampling must be done in accordance with Department approved methods. Unless otherwise approved by the Department on a case specific basis, such sampling shall be done at a minimum rate of one sample per 1,000 cubic yards. The Department reserves the right to reject any sampling results, when the sampling is not coordinated with the Department.

ii. Documentation regarding the generators of incoming solid waste, which may include, but not be limited to:

- Name of the generator of the material and contact information.
- The exact location of the generating site. Type of generating site such as excavation, building demolition/deconstruction site, solid waste management facility, road work, etc. If the site is a solid waste management facility, provide the facility's permit number or registration number.

- Description of the site history such as industrial, commercial, residential, road construction, solid waste management facility, etc.
- Any analytical results performed at the generating site accompanied by any other reports prepared by the generating site engineer or qualified environmental professional, if done at the generating site.
- Amount and type of the material that the site will generate.

8. **Requirements for All Facility Operations** The permittee shall comply with the following:

a. Contaminated soil and contaminated fill material must be kept separate from RUCARBS and other uncontaminated material at all times. In the event contaminated soil or contaminated fill material becomes commingled with uncontaminated material, the whole pile must be considered contaminated, and managed as such.

b. The permittee must ensure that trucks entering the facility do not queue on offsite roadways.

c. The permittee must ensure that trucks do not track dirt and mud out of the facility onto offsite roadways.

d. Unprocessed RUCARBS materials must be processed within 365 days of receipt. Processed materials shall not remain onsite for more than 365 days, unless otherwise approved by the Department.

9. **Use of Tracking Documents** The Department reserves the right to require the permittee to have incoming or outgoing loads accompanied with complete tracking documents. However, contaminated soil or contaminated fill material must have complete tracking documents for both incoming and outgoing loads, and all non-contaminated loads coming from or going to other solid waste management facilities must also be accompanied with a complete tracking document. All tracking documents must be acceptable to the Department. The names of all individuals required to sign the tracking document (generator, hauler, and receiving facility representatives) must be neatly printed, in addition to their signatures.

10. **Outgoing Fill Material Analysis Requirements** The permittee must analyze all outbound fill material, soil and/or wash plant sand in accordance with the following:

a. Material destined for use as fill material, including wash plant sand destined for use in or as fill material, or soil to be amended with yard waste or compost, must be sampled at a rate of no less than one analysis per 1,000 cubic yards.

b. Material including wash plant sand destined for use as commercial aggregate in concrete or asphalt manufacturing must be sampled at a rate of no less than one analysis per 5,000 cubic yards.

c. All sampling must be done in accordance with provisions of applicable regulations and procedures acceptable to the Department. The permittee must ensure unanalyzed fill material is stored separately and distinctly from other waste onsite. After receipt of results demonstrating qualification for the intended use, the permittee may consolidate the fill material, or amend with yard waste or compost, accordingly. If unanalyzed fill material is commingled with material already analyzed, then the entire pile must be reanalyzed.

11. **Maximum Quantity Onsite** The permittee shall not exceed the following quantities onsite:

a. Soil Wash Plant; Contaminated Storage Building:

i. 3,940 cubic yards of PCS.
ii. 4,640 cubic yards of contaminated soil or fill material.
iii. 2,520 cubic yards of soil wash filter cake.
iv. 6,340 cubic yards of stone and 5,730 cubic yards of sand in the Wash Plant outbound areas.

b. RUCARBS Area #1: 8,400 cubic yards of RUCARBS, no more than 4,950 unprocessed.

c. RUCARBS Area #2: 19,150 cubic yards of uncontaminated soil or general fill

d. RUCARBS Area #3: 12,670 cubic yards of RUCARBS with no more than 10,100 unprocessed.

e. 42,420 cubic yards of RAP, asphalt, and millings that is separate from other RUCARBS, with no more than 34,000 cubic yards unprocessed.

12. **Hours of Operation** Hours of operation shall not conflict with any local laws or ordinances. The permittee's hours and days of operation are as follows:

a. The receipt of fill material at the soil wash plant may be received from 6:00 AM to 4:00 PM, Monday through Friday, and 6:00 AM to 3:00 PM on Saturday. If fill material is received outside of these hours of operation, other than New York State Department of Transportation or Metropolitan Transportation Authority projects, a minimum of 48 hours notice shall be provided to the Department, and such notice shall include the anticipated date(s) and time(s) of receipt.

b. RUCARBS may be received and processed 24 hours per day, 7 days per week.

13. **Signs** The permittee must post clearly legible signs indicating hours of operation, the types of waste accepted, and the types of waste not accepted. The signs shall be located so that they are visible to any vehicles and/or persons approaching the facility.

14. **Waste Control** An attendant shall be on duty during all hours of operation. The attendant shall inspect all vehicles entering the facility, rejecting any loads containing unauthorized material.

15. **Control of Nuisance Conditions** Odors, dust, insects, vectors, noise, blowing litter and other potential nuisances shall be adequately controlled at all times. The permittee shall immediately implement any controls required by the Department including cessation of facility operations.

16. **Fire Protection and Detection** The permittee shall maintain fire protection and detection equipment in accordance with local laws and ordinances.

17. **Cessation of Operations** The permittee must notify the Department immediately of any event which causes an unscheduled facility shutdown that exceeds 24 hours, as well as indicate the proposed waste management activities. A written report must be submitted to the Department within 7 days of the event.

18. **Ultimate Disposal of Waste** All solid waste passing through the facility that does not qualify for a beneficial use must be ultimately disposed of at a facility authorized by the Department if located in New York State, or by the appropriate governmental agency or agencies if in other states, territories, or nations. All waste destined for beneficial use must meet the requirements of a predetermined or case-specific beneficial use determination.

19. **Unauthorized Waste** In the event that any hazardous waste, medical waste, or other regulated waste not allowed under this permit is accepted at the facility, the unauthorized waste shall be contained and properly secured immediately. The permittee shall notify the Department and the Suffolk County Department of Health Services within 24 hours of the event. The waste material shall be removed by a waste transporter authorized under 6 NYCRR Part 364 to transport such waste. A written report shall be submitted to the Department within 7 days of the event.

20. **Small Spill Containment** The facility shall keep available at the site equipment and materials necessary to contain small quantities of chemicals or spills. These materials shall be stored in well identified accessible storage areas. As a minimum, the following must be available at all times:

4 - 55 gallon drums with covers and securing rings
400 lbs. absorbent material (e.g. Speedi-Dri)

50 lbs. Boric Acid
50 lbs. Sodium Bicarbonate
Assorted brooms, shovels, gloves, masks, and other protective gear

21. **Maintenance and Repair of Facility** The permittee shall adequately maintain and make repairs to the facility as necessary. This includes any part of the facility, such as doors to buildings; odor and dust controls and equipment; punctures, holes, or other damage to buildings; minimizing the ponding of stormwater; and concrete and/ or asphalt pavement that becomes damaged or worn.

The permittee shall undertake all repairs immediately and have all work completed within one week. Repairs related to dust or odor controls must be completed within 24 hours. If the permittee is unable to complete repairs within the specified time outlined by this condition, the permittee shall provide an acceptable schedule to the Department which shall include a description of the work to be completed and any controls that will be implemented to ensure the facility remains in compliance with this permit, including the cessation of all or part of the facility operations.

22. **Recordkeeping Requirements** The permittee shall maintain the following records at the facility for a minimum of 7 years from the date of creation and be available immediately to the Department upon request:

a. Daily log of solid waste received and transported from the facility which includes:

   i. Type, quantity, planning unit, and origin of the solid waste received.

   ii. Destination of all solid waste and recovered materials transported from the facility.

   iii. The following additional information for incoming PCS: NYSDEC Spill Number, type of fuel contamination (ie: gasoline, #2 oil), source of contamination (ie: UST, surface spill)

b. All weight tickets, hauling receipts, disposal receipts, invoices, tracking documents, etc. to support entries made into the daily log.

c. All analytical sampling results for incoming fill material, if required, and outgoing fill material, and Spill Response Engineer certification letters.

23. **Notification and Reporting Requirements** These requirements include the following:

a. The permittee must maintain the required Suffolk County Department of Health Article 12 permit. The most recent Article 12 permit must be maintained on file with the Region 1 Office.

b. The permittee shall notify the Department 5 days in advance of any sampling required by this permit to offer the Department the opportunity to witness sampling and, if desired, collect split samples.

c. Upon receiving any sample results, the permittee must provide the results to the Department in a format prescribed by or acceptable to the Department.

d. The permittee must submit the original copy of the annual report to the Region 1 Office, and a copy to the Central Office. The report must be submitted no later than March 1 following each year of operation on forms prescribed by or acceptable to the Department.

e. All notifications and submittals to the Department shall be to the Region 1 Office located at the New York State Department of Environmental Conservation, Division of Materials Management, 50 Circle Road, SUNY @ Stony Brook, NY 11790, or electronically as directed by Department staff. The annual report may be submitted via email to SWMFAnnualReportR1@dec.ny.gov.

f. A copy of the annual report shall be sent to SWMFannualreport@dec.ny.gov.

24. **Financial Assurance** The permittee shall maintain the financial assurance in the amount of at least $2,687,440. Each year thereafter, the permittee must submit for review and approval adjusted closure costs estimates, including supporting justification to account for inflation and changes in facility conditions, and increase the amount once approved by the Department. The Department reserves the right to adjust the amount of the financial assurance in the future to account for increases in closure costs, and for non-compliance with any conditions of this permit and any requirement of 6 NYCRR Part 360.

In the event that the permittee fails to maintain financial assurance as required by this permit, the permittee must immediately cease accepting solid waste until financial assurance acceptable to the Department is in place. Within 10 days from the cessation of the required financial assurance, the permittee shall have all solid waste, including recovered recyclables, removed from the facility and the facility shall be in "broom clean" condition.

25. **Environmental Monitor** The environmental monitor shall be funded in accordance with the following for operations directly related to the permittee:

a. The permittee shall fund environmental monitoring services to be performed by or on behalf of the Department. These monitoring services will include, but not be limited to, the scope of work in an annual environmental monitoring work plan which is incorporated by reference and enforceable under this permit.

b. The permittee shall provide to the Department on an annual basis the funds necessary to support the activities set forth in the annual environmental monitoring work plan. The sum to be provided will be based on the annual budgeted amount and is subject to annual revision. Subsequent annual payments shall be made for the duration of this permit or until the environmental monitoring services are no longer necessary, whichever comes first.

c. The permittee shall be billed annually, prior to the start of each State Fiscal Year (SFY) (April 1). If this permit is to first become effective subsequent to April 1, the initial bill will be for an amount sufficient to meet the anticipated cost of the environmental monitoring services through the end of the current SFY.

d. The Department may revise the required annual bill on an annual basis to include all of the Department's estimated costs associated with the environmental monitoring services. The annual revision may take into account such factors as inflation, salary increases, changes in the fringe benefits rate, changes in operating hours and procedures, changes in non-personal service costs (including travel, training, sampling and analytical, and equipment costs, etc.), an increase or decrease in the level of environmental monitoring services necessary, and an increase or decrease in the number of environmental monitors. Upon written request by the permittee, the Department shall provide the permittee with a written explanation of the basis for any revisions.

e. Prior to making its annual payment, the permittee will receive, and have an opportunity to review and request adjustment to, an annual environmental monitoring work plan that the Department will undertake during the year. The Department will provide a final annual work plan that the Department will undertake during the year.

f. Payments are to be made in advance of the period in which they will be expended and shall be made in full within 30 days of receiving a bill from the Department. The bill from the Department to the permittee will provide information regarding to whom payments should be made payable and the address to which payments should be sent.

g. Failure to make the required payments shall be a violation of this permit. The Department reserves all rights to take appropriate action to enforce the above payment provisions.

h. The environmental monitor shall, when present at any of the permittee's facilities, abide by all of the permittee's health and safety and operational requirements and policies, if such requirements and policies exist and provided they are not inconsistent with Department policies and labor management contracts, and further provided, however, that this shall not be construed as limiting the environmental monitor's powers as otherwise provided for by law and shall not result in the environmental monitor being afforded less protection than otherwise provided to the environmental monitor by State and Federal health and safety requirements.

i. The environmental monitor shall receive from the permittee all general and site-specific safety training which is normally given to new facility/site employees for all areas of the facility or site. This training will be a supplement to the health and safety training that the environmental monitor routinely receives from the Department.

j. The permittee shall immediately furnish to the environmental monitor any facility/site health and safety and operational requirements and policies. Within five (5) days of any revision to the facility/site health and safety and operational requirements and policies, the permittee shall furnish to the environmental monitor the health and safety and operational requirements and policies.

k. The environmental monitor shall be permitted to use environmental monitoring and data collection devices (e.g., photo ionization detectors, cameras, video recording devices, computers, cell phones, etc.) deemed necessary by the Department to evaluate and document observed conditions. The permittee may request the data and images collected from areas where confidentiality is a concern be considered confidential information if appropriate. Copies of the data or images collected from areas where confidentiality has been determined to be a concern shall be provided to the permittee.

l. It will remain the responsibility of the permittee to contact the Spill Hotline or any Division within the Department regarding any required notification of any spill, release, exceedances etc. Notification to the environmental monitor will not be considered sufficient to replace any required notifications.

GENERAL CONDITIONS - Apply to ALL Authorized Permits:

1. **Facility Inspection by The Department** The permitted site or facility, including relevant records, is subject to inspection at reasonable hours and intervals by an authorized representative of the Department of Environmental Conservation (the Department) to determine whether the permittee is complying with this permit and the ECL. Such representative may order the work suspended pursuant to ECL 71- 0301 and SAPA 401(3).

The permittee shall provide a person to accompany the Department's representative during an inspection to the permit area when requested by the Department.

A copy of this permit, including all referenced maps, drawings and special conditions, must be available for inspection by the Department at all times at the project site or facility. Failure to produce a copy of the permit upon request by a Department representative is a violation of this permit.

2. **Relationship of this Permit to Other Department Orders and Determinations** Unless expressly provided for by the Department, issuance of this permit does not modify, supersede or rescind any order or determination previously issued by the Department or any of the terms, conditions or requirements contained in such order or determination.

3. **Applications For Permit Renewals, Modifications or Transfers** The permittee must submit a separate written application to the Department for permit renewal, modification or transfer of this permit. Such application must include any forms or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing. Submission of applications for permit renewal, modification or transfer are to be submitted to:

Regional Permit Administrator
NYSDEC Region 1 Headquarters
SUNY @ Stony Brook|50 Circle Rd
Stony Brook, NY11790 -3409

4. **Submission of Renewal Application** The permittee must submit a renewal application at least 180 days before permit expiration for the following permit authorizations: Solid Waste Management.

5. **Permit Modifications, Suspensions and Revocations by the Department** The Department reserves the right to exercise all available authority to modify, suspend or revoke this permit. The grounds for modification, suspension or revocation include:

a. materially false or inaccurate statements in the permit application or supporting papers;

b. failure by the permittee to comply with any terms or conditions of the permit;

c. exceeding the scope of the project as described in the permit application;

d. newly discovered material information or a material change in environmental conditions, relevant technology or applicable law or regulations since the issuance of the existing permit;

e. noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

6. **Permit Transfer** Permits are transferrable unless specifically prohibited by statute, regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.

NOTIFICATION OF OTHER PERMITTEE OBLIGATIONS

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification
The permittee, excepting state or federal agencies, expressly agrees to indemnify and hold harmless the Department of Environmental Conservation of the State of New York, its representatives, employees, and agents ("DEC") for all claims, suits, actions, and damages, to the extent attributable to the permittee's acts or omissions in connection with the permittee's undertaking of activities in connection with, or operation and maintenance of, the facility or facilities authorized by the permit whether in compliance or not in compliance with the terms and conditions of the permit. This indemnification does not extend to any claims, suits, actions, or damages to the extent attributable to DEC's own negligent or intentional acts or omissions, or to any claims, suits, or actions naming the DEC and arising under Article 78 of the New York Civil Practice Laws and Rules or any citizen suit or civil rights provision under federal or state laws.

Item B: Permittee's Contractors to Comply with Permit
The permittee is responsible for informing its independent contractors, employees, agents and assigns of their responsibility to comply with this permit, including all special conditions while acting as the permittee's agent with respect to the permitted activities, and such persons shall be subject to the same sanctions for violations of the Environmental Conservation Law as those prescribed for the permittee.

Item C: Permittee Responsible for Obtaining Other Required Permits
The permittee is responsible for obtaining any other permits, approvals, lands, easements and rights-of-way that may be required to carry out the activities that are authorized by this permit.

Item D: No Right to Trespass or Interfere with Riparian Rights
This permit does not convey to the permittee any right to trespass upon the lands or interfere with the riparian rights of others in order to perform the permitted work nor does it authorize the impairment of any rights, title, or interest in real or personal property held or vested in a person not a party to the permit.

PERMIT

Under the Environmental Conservation Law (ECL)

Permittee and Facility Information

Permit Issued To:
CLEAR FLO TECHNOLOGIES INC

1110 RTE 109
LINDENHURST, NY 11757
(631) 956-7600

CLEAN & GREEN RECYCLING CORP
1110 A RTE 109
LINDENHURST, NY 11757
(631) 956-7600

Facility:
CLEAR FLO TECHNOLOGIES/CLEAN & GREEN RECYCLING INC
1110 A ST RTE 109
NORTH LINDENHURST, NY 11757

Facility Application Contact:
CAMERON ENGINEERING & ASSOCIATES LLP
177 Crossways Park Dr
Woodbury, NY 11797
(516) 224-5250

Facility Location: in BABYLON in SUFFOLK COUNTY **Village:** LINDENHURST
Facility Principal Reference Point: NYTM-E: 635.274 NYTM-N: 4508.457
Latitude: 40°42'57.4" Longitude: 73°23'54.3"

Authorized Activity: Permit authorizes operation of a transfer facility and biosolids dryer facility receiving the following wastes: up to 400,000 gallons per day of non-hazardous industrial wastes; 70 tons per day of source separated used cooking oil and grease trap waste; and 450 tons per day of biosolids for the purpose of producing Class A biosolids material.

Solid Waste Management Facility No .: 52TP0273

Permit Authorizations

Solid Waste Management - Under Article 27, Title 7
Permit ID 1-4720-02934/00001
Renewal Effective Date: 3/16/2022 Expiration Date: 3/15/2027

APPENDIX F

DISPOSAL MANIFESTS

Posillico | We know how.™

Posillico Materials, LLC
1750 New Highway
Farmingdale, NY 11735-1534
P. 631-249-1872
F. 631-777-5640

11/3/2023
1:39:58 PM   NYSDOT REQUIRES SPOTTER BEFORE BACKING INTO PAVER.

Customer: 5025	Job: 23377D	Truck #	Ticket #
EASTERN ENVIRONMENTAL	Phase Code#	EASTERN44	483693

P.O. #:   Delivery Out

Product - Name	Mix Code	Amount
8010- DRYWELL PER LOAD		1.000 TN

Plant Name: POSILLICO MAT

Received By: [signature]   Driver Name: Billy

DOT#

Location: 2647 STILLWELL AVE, BROOKLYN

		TONS	MM
	Gross:	1.000	0.907
	Tare:	0.000	0.000
DROP # SCALE SILO	Net:	1.000	0.907
	Totals:	1.000	0.907

38392

Posillico | we know how.™

Posillico Materials, LLC
1750 New Highway
Farmingdale, NY 11735-1534
P. 631-249-1872
F. 631-777-5640

11/6/2023
1:40:40 PM NYSDOT REQUIRES SPOTTER BEFORE BACKING INTO PAVER.

Customer: 5025	Job: 23377D	Truck #	Ticket #
EASTERN ENVIRONMENTAL	Phase Code#	EASTERN44	484215

P.O. #: Delivery Out

Product - Name	Mix Code	Amount
0010- DRYWELL PER LOAD		1.000 TN

Plant Name: POSILLICO MAT

Received By: [signature] Driver Name: Billy

DOT#
Location: 2647 STILLWELL AVE, BROOKLYN

DROP #	SCALE	SILO		TONS	MM
			Gross:	1.000	0.907
			Tare:	0.000	0.000
			Net:	1.000	0.907
			Totals:	1.000	0.907

38392

"The following PPE is ***REQUIRED*** at all times when working outside your truck, Hard hat, reflective vest, eye protection, gloves, work boots and appropriate work attire. No shorts, sleeveless shirts or sneakers. Failure to comply can result in you being removed and banned from site."

CLEAR FLO TECHNOLOGIES, INC.
1110 Rte. 109
N. Lindenhurst, N.Y. 11757
Tel: (631) 956-7600
Fax: (631) 956-7020

MANIFEST NUMBER		
Part 1	Part 2	Part 3
		314422
Date of Pick-Up 11-2-23	Time of Pick-Up 11:00AM	Chronological Number /Also Used as Sample #
(Use 2 Digit Numbers) Example 040103	(Military Time)	(Assigned at Clear Flo-Receiving Station)

LIQUID WASTE DISCHARGE MANIFEST

1. WASTEWATER STREAM IDENTIFICATION (Sections 1A, 1B, & 1C must be completed by generator or hauler)

A. Volume:	**Gallons:** 4k	**Wt. In:**		**Wt. Out:**	
B. Type:	☐ Condensate Water	☐ Decant Grease	☐ Grease	☐ Industrial Rinse	☐ Leachate
	☐ Leachate Pool	☐ Pharmaceutical	☐ Septic/Septage	☐ Sludge	☑ Storm Water
	☐ STP Effluent	☐ Transfer Leachate	**Other:**		
C. Source	☐ Home/Apt.	☑ Office/Commercial	☐ Municipal	☐ Industrial	☐ Other

Description of Other and Special Handling Instructions, if Any: _____

2. GENERATOR OF WASTESWATER (Sections 2A, 2B, & 2C must be completed by generator or hauler)

A. Complete Name (print or type): Stillwell Ave Property LLC **B.** Tel. No.: _____

C. Complete Pick-Up Address: 2647 Stillwell Ave Brooklyn

ALL WASTEWATERS ARE SUBJECT TO THE TERMS AND CONDITIONS CONTAINED IN THE DISCHARGE PERMIT

The undersigned, being duly authorized, does hereby certify to the best of their knowledge to the accuracy of the source and type of wastewater identified and subject to this manifest. **SECTION D GENERATOR SIGNATURE REQUIRED.**

D. Signature of Generator or Agent: _____ Date: 11/2/23

3. HAULER OF LIQUID WASTE (Sections 3A, 3B, 3C, 3D, and 3E must be completed by hauler)

A. Company Name (print or type): Eastern Enviromental Solutions

B. SCDPW Permit No.: 32088 **C.** Vehicle License No.: 6237MA **D.** Pump Out Date: 11-2-23

E. NYS DEC Permit No.: 14088

The above described liquid waste was picked up and hauled by me to the disposal facility named below and was discharged. I certify under penalty of perjury that the foregoing is true and correct.

F. Signature of Authorized Agent and Title: _____

4. ACCEPTANCE BY CLEAR FLO TECHNOLOGIES, INC. (must be completed by disposer)

The above hauler delivered the described wastewater to the disposal facility and it was accepted.

Disposal Date: 11/2/2023 Sample ID No.: 314422

Signature of Authorized Agent and Title: Carlos SR

WHITE - DISPOSAL FACILITY **YELLOW - TRANSPORTER** **PINK - GENERATOR** **GOLD - FILE**