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Last Updated: April 12, 2022

Mr. Steve Zerges
Donofrio General Contracting Corp
202 28th Street
Brooklyn, NY 11232

Re: Waste Classification - Letter Report
Environmental Professional Services - SEK-20070
25th Avenue Between Hunter Avenue and Gravesend Bay
Brooklyn, NY 11214
JMG Project: 2100022

Dear Mr. Zerges:

This letter is intended to provide you with the analytical data from our recent Waste Characterization (WC) scope of work conducted at Project Site SEK-20070. The project scope of work includes the construction of a new stormwater system and associated outfall channel along 25th Avenue in the vicinity of the existing Rocky Pier. A site location map can be found in Figure 1.

1. Site Description

The Site is located at 25th Avenue between Hunter Avenue and Gravesend Bay, Brooklyn, NY. The former use of the area was identified as undeveloped land. An area of stockpiled soils was identified in the southeastern portion of the property during the site investigation. The on-site soils consisted of tan/brown medium to coarse sand, with historic fill materials being identified in select soil borings. The Property is located in close vicinity to the Gravesend Bay to the west. Groundwater was not encountered up to eight feet below ground surface (bgs).

2. Waste Classifications Activities

Field Sampling Plan: A Field Sampling Plan (FSP) was developed on 10 December 2021, and subsequently revised on 21 February 2022 based on comments received from D'Onofrio and analytical results from January 2022.

Field Sampling Procedures: Sampling frequency and intervals were based on the requirements of the bid specifications and on those outlined in the Field Sampling Plan dated 10 December 2021 and revised on

21 February 2022. These requirements consisted of collecting one characterization sample per 500 cubic yards of soil as per Section 8.01 C2 of the bid specifications. Subsequent delineation soil sampling was conducted at a frequency of one sample per boring location. The delineation soil samples were collected for lead analysis only.

Initial Waste Characterization: January 2022

The site contractor mobilized to assist in the collection of soil samples from the proposed work area. A Site reconnaissance was performed by Mr. Matthew Thurston on January 21, 2022. The site reconnaissance included a visual inspection of the Site and proposed work area. After discussion with on-site personnel, the soil borings were advanced into the subsurface to collect soil samples for the waste classification prior to excavation and disposal. The MultiGas meter was used to screen the soil prior to the selection of samples. Volatile organic vapors were not detected, nor was any evidence of a release of hazardous substances. A total of four soil borings, SB-1 through SB-4, were advanced within the subsurface during the investigation as planned. The sample locations are shown on Figure 2.

Discussion with the on-site contractor indicated that the depth of the excavation would be to approximately 13 ft to 15 ft bgs. Accordingly, the driller advanced four soil borings to a total depth of 15 feet bgs. Soil borings SB-1, SB-3 and SB-4 were selected, and one five-point composite sample was collected at specific depth intervals from each for composite samples WC-2, WC-3 and WC-4, respectively, as per the field sampling plan.

Soil borings SB-1 and SB-3, which were composited into WC-2 and WC-3, respectively, consisted of a surficial layer of gravel overlying medium-grained, light brown, silty sand to a depth of 15 fbgs. Evidence of historic fill materials including concrete, brick, coal ash and asphalt were identified in the soil boring, SB-4, advanced closest to Gravesend Bay, which was composited into sample WC-4. The contractor was unable to collect waste classification samples further west into the proposed excavation area due to unsafe working conditions (high tide) that would be present associated with Gravesend Bay.

A waste classification sample, WC-1, was collected from the stockpiled soil in the southeastern portion of the property. A chain of custody form was completed at the time of sampling and maintained until the disposition of the samples at the laboratory.

The contractor collected discrete soil samples at various depths biased towards areas with suspected soil contamination based on elevated PID screening results and/or apparent visual staining. Soil samples for volatile organic analysis were collected using a Terra Core™ or EnCore™ sampling device. Samples collected for other analyses were placed in laboratory-supplied sample containers. After collection, samples were placed in shipping coolers and maintained at approximately 4 +/- 2 degrees Celsius. The coolers were hand-delivered to the analytical laboratory under chain-of-custody protocol.

The five-point composite sample was analyzed for Target Compound List (TCL) Semi-Volatile Organics (SVOCs), herbicides, pesticides, Polychlorinated Biphenyl (PCBs), Target Analyte List (TAL) Metals, Toxicity Characteristic Leaching Procedure (TCLP) Metals and Resource Conservation and Recovery Act (RCRA) characteristics of ignitability and corrosivity. The grab sample was analyzed for TCL Volatile Organic Compounds (VOCs) bias to suspected highest soil contamination.

These soil samples represent the first fifteen feet of soil. If deeper excavation is required, then additional testing will be necessary to meet the disposal facility requirements.

January 2022 - Soil Analytical Results

The soil sample analytical results are summarized in Table 1. It also provides a comparison to the NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives, Pennsylvania (PA) Clean Fill Limits, PA Regulated Fill limits, NYCRR Part 375 Restricted Use Soil Cleanup Objectives Residential, NYCRR Part 375 Restricted Use Soil Cleanup Objectives Commercial, NJDEP SRP Residential Direct Contact Soil Remediation Standard-RDCSRS, and NJDEP SRP Non-Residential Direct Contact Soil Remediation Standard-NRDCSRS. The concentrations reported in the summary tables are in milligrams per kilogram (mg/kg), unless otherwise noted for TCLP metals analysis the units are mg/l.

The analytical results indicate that the soil associated with waste classification samples WC-1, WC-2 and WC-3 has been found to contain non-hazardous components, and all compounds were detected at concentrations below the applicable standards. Following the review of the analytical results and the Technical Specifications described in Section 6 of the Field Sampling Plan and Section 8.01-C2 of the bid specifications, the onsite soils associated with Waste Classification samples WC-1 through WC-3 can be classified as Non-Hazardous Non-contaminated.

Laboratory analytical results for soil sample WC-4, which was collected closest to Gravesend Bay, reported a TCLP lead concentration of 9.66 mg/L which is above the Environmental Protection Agency (EPA) TCLP standard of 5 mg/L. Soils associated with this waste classification sample should be treated prior to off-site disposal or should be stockpiled separately and disposed of at an EPA regulated facility. Soils exceeding any of the hazardous characteristic criteria meet the legal definition of hazardous soils (rather than non-hazardous contaminated soils) and must be staged, transported and/or disposed of under Item 8.01 H-Handling, Transporting and Disposal of Hazardous Soils as detailed in the bid specifications.

The concentration of TCLP lead identified in this soil sample is suspected to be associated with historic fill materials identified within the soil boring installed in the WC-4 area. The contractor recommended delineation of the WC-4 composite sample area to identify the extent of lead contaminated historic fill on the Property and reduce the total volume of hazardous soil that will require export from the Site.

The EPA Generator Identification number for Waste Code D008 hazardous soils will be obtained prior to soil excavation and disposal, and is not available at this publish time.

Delineation Soil Sampling: February 2022

The site contractor mobilized to assist in the collection of delineation soil samples around the WC-4 sample location. Mr. Matthew Thurston on February 24, 2022 visited site. The area was further visually inspected prior to the drilling. The MultiGas meter was used to screen the soil prior to the selection of samples. Volatile organic vapors were not detected, nor was any evidence of a release of hazardous substances. The contractor advanced six soil borings to a total depth of 15 feet bgs in the vicinity of sample location WC-4 to collect soil samples for delineation purposes. Two samples (SB4-N and SB4-N2) were collected north of the SB-4 boring location, two samples (SB4-S and SB4-S2) were collected south of the SB-4 boring location, one sample (SB4-E) was collected east of SB-4 boring location, and one sample (SB4-W) was collected west of the SB-4 boring location. SB4-N, SB4-S, SB4-E and SB4-W were located approximately ten feet radially outward from SB4. SB4-N2 and SB4-S2 were located approximately twenty feet radially outward from SB4.

All soil borings consisted of a surficial layer of yellow to yellowish-brown coarse sand (SB4-S2 consisted of gravel mixed in as well) overlying dark brown, silty sand with historic fill overlying moist, brown silty sand to a depth of 15 fbgs. Historic fill was found in each soil boring and included a mix of concrete, brick, coal ash and asphalt and the historic fill layer extended to a maximum depth of 11 fbgs. Soil samples were collected from within the historic fill layer. Each soil sample was analyzed for total lead and TCLP lead.

February 2022 - Soil Analytical Results Review

Soil analytical results from the February 2022 delineation soil sampling are presented in Table 2. It provides a comparison to:

- EPA-TCLP: EPA Toxicity Characteristic (TCLP) Regulatory Levels Criteria
- NJ-NRDCSRS: New Jersey 2017 Non-Residential Direct Contact Soil Remediation Standards Criteria
- NJ-RDCSRS: New Jersey 2017 Residential Direct Contact Soil Remediation Standards Criteria
- PA-NRDCS2: Pennsylvania Non-Residential Direct Contact Subsurface Soil (2-15') MSCs Criteria
- PA-RDCS: Pennsylvania Residential Direct Contact Soil MSCs Criteria
- PA-RFCL: Pennsylvania Regulated Fill Concentration Limits Criteria
- NY-DER10-CIU: New York DER-10 Commercial or Industrial Use Allowable Constituent Levels for Imported Fill & Soil Criteria
- NY-DER10-RRU: New York DER-10 Restricted Residential Use Allowable Constituent Levels for Imported Fill & Soil Criteria
- NY-DER10-RU: New York DER-10 Restricted Use Allowable Constituent Levels for Imported Fill & Soil Criteria
- NY-RESI: New York NYCRR Part 375 Industrial Criteria, New York Restricted use Criteria
- NY-RESR: New York NYCRR Part 375 Residential Criteria, New York Restricted use Criteria
- NY-RESC: New York NYCRR Part 375 Commercial Criteria, New York Restricted use Criteria

The concentrations reported in the summary tables are in milligrams per kilogram (mg/kg), unless otherwise noted for TCLP lead analysis the units are mg/L.

The analytical results review indicates that the soil associated with soil borings SB4-N, SB4-N2, SB4-S, SB4- S2, SB4-E and SB4-W has been found to contain TCLP lead concentrations below the EPA TCLP standard of 5 mg/L. Total lead concentrations were additionally identified below regulatory standards. Following the review of the analytical results and the Technical Specifications described in Section 6 of the Field Sampling Plan and Section 8.01-C2 of the bid specifications, the sampled soil meets the TCLP criteria for Non-Hazardous.

3. Conclusion & Recommendations

The soil associated with WC-4 was found to contain TCLP lead concentrations above the EPA hazardous level. The additional delineation soil samples collected around the WC-4 sample location did not identify TCLP lead concentrations above the EPA hazardous standard. Historic fill soils to be excavated, the lead-contaminated in-situ volume of which is estimated to be 116 cubic yards, are identified within the WC-4 area should be treated prior to off-site disposal or should be stockpiled separately and disposed of at a regulated facility as hazardous material. Off-site treatment of hazardous materials may be required at the EPA regulated landfill. JMG will obtain a one-time EPA Hazardous Waste Generator ID for the disposal approval. A community air monitoring plan will be developed prior to the excavation and disposal of hazardous soils. Please contact the undersigned at (732)-763-9571 if you require further information or clarification.

Kind Regards,

JMG Engineering DPC

Giorgi Khardzeishvili, P.E.

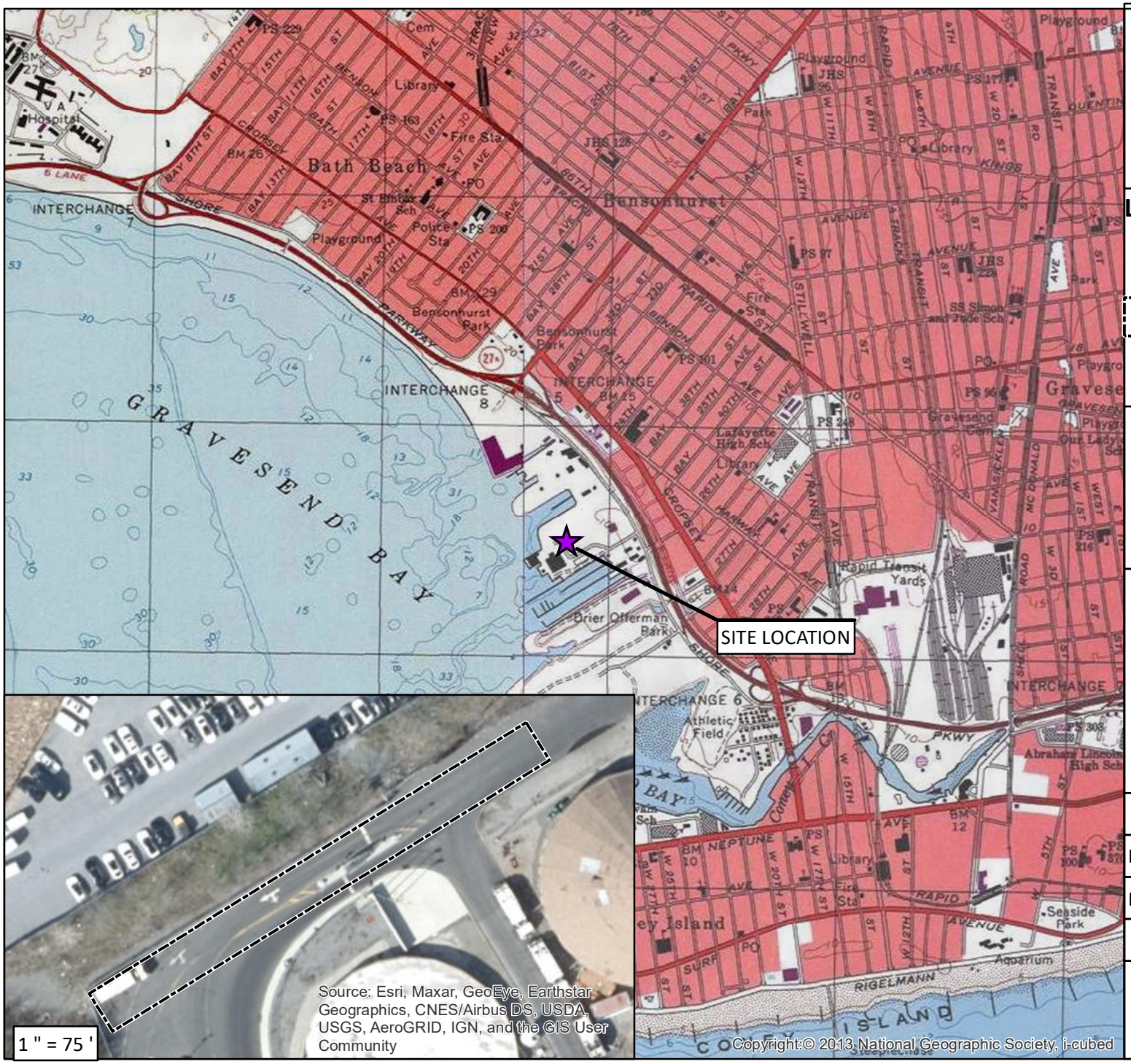
Devang Patel

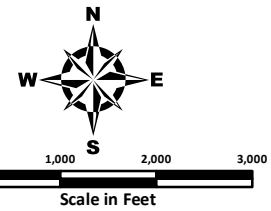
Devang Patel

Enclosed: Figure 1 - Site Location Map
Figure 2 - Sample Location Map

Table 1 - Summary of Waste Class Soil Analytical Results
Table 2 - Summary of Soil Analytical Results – February 2022

Exhibit 1 - Construction Phase Diagrams
Exhibit 2 - Laboratory Certifications
Exhibit 3 - Quality Control Project Plan
Exhibit 4 - Laboratory Reports

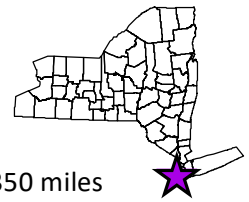




1 " = 2,000 '

Legend

- Site Location
- Project Area



1 " = 350 miles

FIGURE 1

SITE LOCATION MAP

25th Avenue Between Hunter Avenue And Gravesand Bay Brooklyn, NY 11214

Project No: 2100022

Date: December 2021

Drawn By: N. Kelly

Checked By: GK

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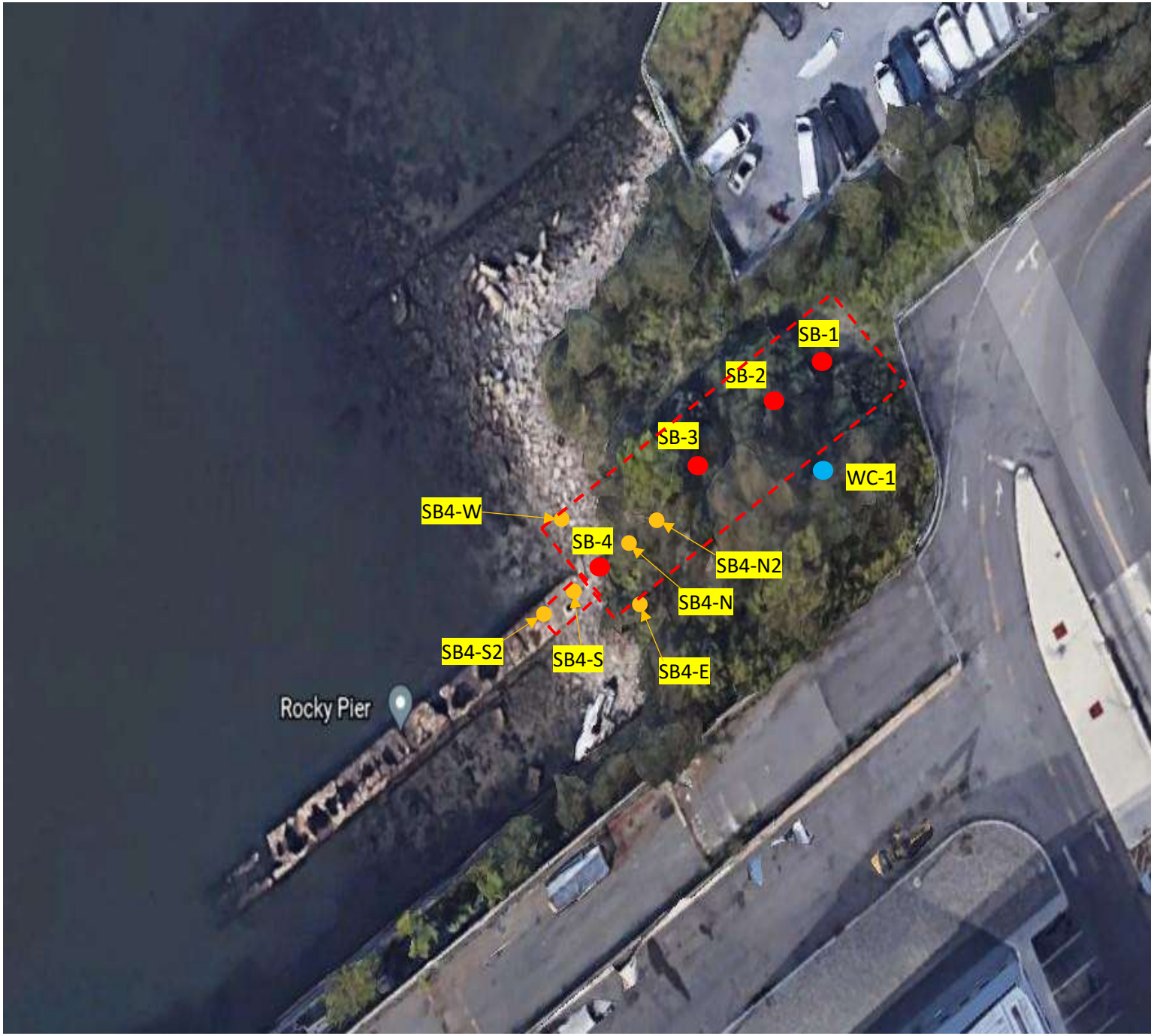

Figure 2

Sample Location Map

25th Avenue Between
Hunter Avenue and
Gravesand Bay
Brooklyn, NY 11214

Legend

- Soil Boring Location - Jan 2022
- Soil Boring Location - Feb 2022
- Stockpile Sample
- Proposed Excavation

Project Number: 2100022

Date: 3/9/2022

By: Nicholas Quaglieri

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Table 1 Waste Classification Soil Analytical Results
25th Avenue, Between Hunter Avenue and Gravesend Bay
Brooklyn, New York

LOCATION																WC-1		WC-2		WC-3		WC-4	
SAMPLING DATE	CasNum	EPA-TCLP	NJ-NRDCSRS	NJ-RDCSRS	NY-CP51	NY-DER10-CIU	NY-DER10-RRU	NY-DER10-RU	NY-RESI	NY-RESR	NY-RESRR	NY-RESC	PA-NRDCS2	PA-RDCS	PA-RFCL	Units	1/21/2022		1/21/2022		1/21/2022		1/21/2022	
LAB SAMPLE ID																	L2203656-01		L2203656-02		L2203656-03		L2203656-04	
SAMPLE TYPE																	SOIL		SOIL		SOIL		SOIL	
																	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Chlorinated Herbicides by GC																								
2,4,5-T	93-76-5												190000	2200	1.5	mg/kg	0.173	U	0.195	U	0.179	U	0.852	U
2,4,5-TP (Silvex)	93-72-1					3.8	3.8	3.8	1000	58	100	500	190000	1800	22	mg/kg	0.173	U	0.195	U	0.179	U	0.852	U
2,4-D	94-75-7												190000	2200	1.8	mg/kg	0.173	U	0.195	U	0.179	U	0.852	U
Diesel Range Organics																								
DRO (C10-C28)	NONE															mg/kg	2.5	J	3.7	J	3.7	J	290	
General Chemistry																								
Cyanide, Reactive	57-12-5															mg/kg	10	U	10	U	10	U	10	U
Paint Filter Liquid	PFLT															-	-	-	-	-	NEGATIVE		-	-
pH (H)	12408-02-5															SU	6.6		8.4		8.1		8	
Solids, Total	NONE															%	95.8		84.8		91.6		95.2	
Sulfide, Reactive	NONE															mg/kg	10	U	10	U	10	U	10	U
Ignitability of Solids																								
Ignitability	NONE																NI		NI		NI		NI	
Organochlorine Pesticides by GC																								
4,4'-DDD	72-54-8		13	3		14	13	2.6	180	2.6	13	92	190000	78	150	mg/kg	0.00161	U	0.00183	U	0.00193	U	0.00162	U
4,4'-DDE	72-55-9		9	2		17	8.9	1.8	120	1.8	8.9	62	190000	55	220	mg/kg	0.00161	U	0.00183	U	0.00193	U	0.00162	U
4,4'-DDT	50-29-3		8	2		47	7.9	1.7	94	1.7	7.9	47	190000	55	270	mg/kg	0.00302	U	0.00343	U	0.00362	U	0.00304	U
Aldrin	309-00-2		0.2	0.04		0.19	0.097	0.019	1.4	0.019	0.097	0.68	190000	1.1	2.4	mg/kg	0.00161	U	0.00183	U	0.00193	U	0.00162	U
Alpha-BHC	319-84-6		0.5	0.1		0.02	0.02	0.02	6.8	0.097	0.48	3.4	190000	3	0.25	mg/kg	0.000671	U	0.000763	U	0.000804	U	0.000677	U
Beta-BHC	319-85-7		2	0.4		0.09	0.09	0.072	14	0.072	0.36	3	190000	10	1.1	mg/kg	0.00161	U	0.00183	U	0.00193	U	0.00162	U
Chlordane	57-74-9		1	0.2									190000	53	49	mg/kg	0.0134	U	0.0153	U	0.0161	U	0.0135	U
cis-Chlordane	5103-71-9		1	0.2		2.9	2.9	0.91	47	0.91	4.2	24				mg/kg	0.00201	U	0.00229	U	0.00241	U	0.00203	U
Delta-BHC	319-86-8					0.25	0.25	0.25	1000	100	100	500				mg/kg	0.00161	U	0.00183	U	0.00193	U	0.00162	U
Dieldrin	60-57-1		0.2	0.04		0.1	0.1	0.039	2.8	0.039	0.2	1.4	190000	1.2	0.58	mg/kg	0.00101	U	0.00114	U	0.0012	U	0.00102	U
Endosulfan I	959-98-8		6800	470		102	24	4.8	920	4.8	24	200	190000	1300	260	mg/kg	0.00161	U	0.00183	U	0.00193	U	0.00162	U
Endosulfan II	33213-65-9		6800	470		102	24	4.8	920	4.8	24	200	190000	1300	260	mg/kg	0.00161	U	0.00183	U	0.00193	U	0.00162	U
Endosulfan sulfate	1031-07-8		6800	470		200	24	4.8	920	4.8	24	200	190000	1300	70	mg/kg	0.000671	U	0.000763	U	0.000804	U	0.000677	U
Endrin	72-20-8		340	23		0.06	0.06	0.06	410	2.2	11	89	190000	66	5.5	mg/kg	0.000671	U	0.000763	U	0.000804	U	0.000677	U
Endrin aldehyde	7421-93-4															mg/kg	0.00201	U	0.00229	U	0.00241	U	0.00203	U
Endrin ketone	53494-70-5															mg/kg	0.00161	U	0.00183	U	0.00193	U	0.00162	U
Heptachlor	76-44-8		0.7	0.1		0.38	0.38	0.38	29	0.42	2.1	15	190000	4.1	0.68	mg/kg	0.000806	U	0.000916	U	0.000965	U	0.000812	U
Heptachlor epoxide	1024-57-3		0.3	0.07									190000	2	1.1	mg/kg	0.00302	U	0.00343	U	0.00362	U	0.00304	U
Lindane	58-89-9		2	0.4		0.1	0.1	0.1	23	0.28	1.3	9.2	190000	17	0.072	mg/kg	0.000671	U	0.000763	U	0.000804	U	0.000677	U
Methoxychlor	72-43-5		5700	390									190000	1100	630	mg/kg	0.00302	U	0.00343	U	0.00362	U	0.00304	U
Toxaphene	8001-35-2		3	0.6									190000	17	1.2	mg/kg	0.0302	U	0.0343	U	0.0362	U	0.0304	U
trans-Chlordane	5103-74-2		1	0.2												mg/kg	0.00201	U	0.00229	U	0.00241	U	0.00203	U
Polychlorinated Biphenyls by GC																								
Aroclor 1016	12674-11-2		1	0.2		1	1	1	25	1	1	1	10000	15	46	mg/kg	0.0336	U	0.0376	U	0.035	U	0.0338	U
Aroclor 1221	11104-28-2		1	0.2		1	1	1	25	1	1	1	27	4.7	0.83	mg/kg	0.0336	U	0.0376	U	0.035	U	0.0338	U
Aroclor 1232	11141-16-5		1	0.2		1	1	1	25	1	1	1	10000	9.3	0.7	mg/kg	0.0336	U	0.0376	U	0.035	U	0.0338	U
Aroclor 1242	53469-21-9		1	0.2		1	1	1	25	1	1	1	10000	9.3	20	mg/kg	0.0336	U	0.0376	U	0.035	U	0.0338	U
Aroclor 1248	12672-29-6		1	0.2		1	1	1	25	1	1	1	10000	9.3	46	mg/kg	0.0336	U	0.0376	U	0.035	U	0.0338	U
Aroclor 1254	11097-69-1		1	0.2		1	1	1	25	1	1	1	10000	4.4	46	mg/kg	0.0336	U	0.0376	U	0.035	U	0.0338	U
Aroclor 1260	11096-82-5		1	0.2		1	1	1	25	1	1	1	190000	9.3	46	mg/kg	0.0336	U	0.0376	U	0.035	U	0.0338	U
Aroclor 1262	37324-23-5		1	0.2		1	1	1	25	1	1	1				mg/kg	0.0336	U	0.0376	U	0.035	U	0.0338	U
Aroclor 1268	11100-14-4		1	0.2		1	1	1	25	1	1	1				mg/kg	0.0336	U	0.0376	U	0.035	U	0.0338	U
PCBs, Total	1336-36-3		1	0.2		1	1	1	25	1	1	1				mg/kg	0.0336	U	0.0376	U	0.035	U	0.0338	U
Semivolatile Organics by GC/MS																								
1,2,4,5-Tetrachlorobenzene	95-94-3												190000	66	16	mg/kg	0.17	U	0.19	U	0.18	U	0.86	U
1,2,4-Trichlorobenzene	120-82-1		820	73									190	39	27	mg/kg	0.17	U	0.19	U	0.18	U	0.86	U
1,2-Dichlorobenzene	95-50-1		59000	5300		1.1	1.1	1.1	1000	100	100	500	10000	3800	59	mg/kg	0.17	U	0.19	U	0.18	U	0.86	U
1,3-Dichlorobenzene	541-73-1		59000	5300		2.4	2.4	2.4	560	17	49	280	10000	10000	61	mg/kg	0.17	U	0.19	U	0.18	U	0.86	U
1,4-Dichlorobenzene	106-46-7		13	5		1.8	1.8	1.8	250	9.8	13	130	230	40	10	mg/kg	0.17	U	0.19	U	0.18	U	0.86	U
1,4-Dioxane	123-91-1					0.1	0.1	0.1	250	9.8	13	130	510	89	0.42	mg/kg	0.026	U	0.029	U	0.027	U	0.13	U
2,4,5-Trichlorophenol	95-95-4		68000	6100									190000	22000	7300	mg/kg	0.17	U	0.19	U	0.18	U	0.86	U
2,4,6-Trichlorophenol	88-06-2		74	19									190000	220	34	mg/kg	0.1	U	0.12	U	0.11	U	0.52	U
2,4-Dichlorophenol	120-83-2		2100	180									190000	660	1	mg/kg	0.16	U	0.17	U	0.16	U	0.77	U
2,4-Dimethylphenol	105-67-9		14000	1200									10000	4400	100	mg/kg	0.17	U	0.19	U	0.18	U	0.86	U
2,4-Dinitrophenol	51-28-5		1400	120									190000	440	2.6	mg/kg	0.83	U	0.93	U	0.86	U	4.1	U
2,4-Dinitrotoluene	121-14-2		3	0.7									190000	60	0.26	mg/kg	0.17	U	0.19	U	0.18	U	0.86	U
2,6-Dinitrotoluene	606-20-2		3	0.7									190000	12	0.068	mg/kg	0.17	U	0.19	U	0.18	U	0.86	U
2-Chloronaphthalene	91-58-7												190000	18000	20000	mg/kg	0.17	U	0.19	U	0.18	U	0.86	U
2-Chlorophenol	95-57-8		2200	310									10000	1100	4.4	mg/kg	0.17	U	0.19	U	0.18	U	0.86	U
2-Methylnaphthalene	91-57-6		2400	230									270	57	1900	mg/kg	0.21	U	0.026	J	0.22	U	0.18	J
2-Methylphenol	95-48-7		3400	310		0.33	0.33	0.33	1000	100	100	500	190000	11000	96	mg/kg	0.17	U	0.19	U	0.18	U	0.86	U
2-Nitroaniline	88-74-4		23000	39									4.5	0.95	21	mg/kg	0.17	U	0.19	U	0.18	U	0.86	U
2-Nitrophenol	88-75-5												190000	1800	19	mg/kg	0.38	U	0.42	U	0.39	U	1.8	U
3,3'-Dichlorobenzidine	91-94-1		4	1									190000	41	42	mg/kg	0.17	U	0.19	U	0.18	U	0.86	U
3-Methylphenol/4-Methylphenol	108-39-4/106-44-5		340	31		0.33	0.33	0.33	1000	34	100	500	10000	1100	14	mg/kg	0.25	U	0.28	U	0.26	U	1.2	U

Table 1 Waste Classification Soil Analytical Results
25th Avenue, Between Hunter Avenue and Gravesend Bay
Brooklyn, New York

LOCATION																WC-1		WC-2		WC-3		WC-4	
SAMPLING DATE	CasNum	EPA-TCLP	NJ-NRDCSRS	NJ-RDCSRS	NY-CP51	NY-DER10-CIU	NY-DER10-RRU	NY-DER10-RU	NY-RESI	NY-RESR	NY-RESRR	NY-RESC	PA-NRDCS2	PA-RDCS	PA-RFCL	Units	1/21/2022		1/21/2022		1/21/2022		1/21/2022	
LAB SAMPLE ID																	L2203656-01		L2203656-02		L2203656-03		L2203656-04	
SAMPLE TYPE																	SOIL		SOIL		SOIL		SOIL	
																	Results	Qual	Results	Qual	Results	Qual	Results	Qual
3-Nitroaniline	99-09-2															mg/kg	0.17	U	0.19	U	0.18	U	0.86	U
4,6-Dinitro-o-cresol	534-52-1		68	6												mg/kg	0.45	U	0.5	U	0.47	U	2.2	U
4-Bromophenyl phenyl ether	101-55-3															mg/kg	0.17	U	0.19	U	0.18	U	0.86	U
4-Chloroaniline	106-47-8												190000	93	2.1	mg/kg	0.17	U	0.19	U	0.18	U	0.86	U
4-Chlorophenyl phenyl ether	7005-72-3															mg/kg	0.17	U	0.19	U	0.18	U	0.86	U
4-Nitroaniline	100-01-6												190000	880	2.5	mg/kg	0.17	U	0.19	U	0.18	U	0.86	U
4-Nitrophenol	100-02-7												190000	1800	4.1	mg/kg	0.24	U	0.27	U	0.25	U	1.2	U
Acenaphthene	83-32-9		37000	3400	20	98	98	98	1000	100	100	500	190000	13000	4700	mg/kg	0.14	U	0.16	U	0.14	U	0.69	U
Acenaphthylene	208-96-8		300000		100	107	100	100	1000	100	100	500	190000	13000	8000	mg/kg	0.14	U	0.16	U	0.14	U	0.69	U
Acetophenone	98-86-2		5	2									10000	10000	640	mg/kg	0.17	U	0.19	U	0.18	U	0.86	U
Anthracene	120-12-7		30000	17000	100	500	100	100	1000	100	100	500	190000	66000	350	mg/kg	0.1	U	0.12	U	0.11	U	0.52	U
Benzo(a)anthracene	56-55-3		17	5	1	1	1	1	11	1	1	5.6	190000	6.1	130	mg/kg	0.1	U	0.049	J	0.11	U	0.11	J
Benzo(a)pyrene	50-32-8		2	0.5	1	1	1	1	1.1	1	1	1	190000	4.2	12	mg/kg	0.14	U	0.061	J	0.14	U	0.69	U
Benzo(b)fluoranthene	205-99-2		17	5	1	1.7	1	1	11	1	1	5.6	190000	3.5	76	mg/kg	0.1	U	0.077	J	0.11	U	0.18	J
Benzo(ghi)perylene	191-24-2		30000	380000	100	500	100	100	1000	100	100	500	190000	13000	180	mg/kg	0.14	U	0.045	J	0.14	U	0.14	J
Benzo(k)fluoranthene	207-08-9		170	45	0.8	1.7	1.7	1	110	1	3.9	56	190000	3.5	76	mg/kg	0.1	U	0.12	U	0.11	U	0.52	U
Benzoic Acid	65-85-0												190000	190000	9000	mg/kg	0.56	U	0.63	U	0.58	U	2.8	U
Benzyl Alcohol	100-51-6												10000	10000	430	mg/kg	0.17	U	0.19	U	0.18	U	0.86	U
Biphenyl	92-52-4		240	61									40	8.2	190	mg/kg	0.4	U	0.44	U	0.41	U	2	U
Bis(2-chloroethoxy)methane	111-91-1												10000	660	9.2	mg/kg	0.19	U	0.21	U	0.19	U	0.93	U
Bis(2-chloroethyl)ether	111-44-4		2	0.4									7.6	1.3	0.023	mg/kg	0.16	U	0.17	U	0.16	U	0.77	U
Bis(2-chloroisopropyl)ether	108-60-1		67	23									250	44	8	mg/kg	0.21	U	0.23	U	0.22	U	1	U
Bis(2-ethylhexyl)phthalate	117-81-7		140	35									10000	1300	130	mg/kg	0.17	U	0.19	U	0.18	U	0.86	U
Butyl benzyl phthalate	85-68-7		14000	1200									10000	9800	10000	mg/kg	0.17	U	0.19	U	0.18	U	0.86	U
Carbazole	86-74-8		96	24									190000	930	110	mg/kg	0.17	U	0.19	U	0.18	U	0.86	U
Chrysene	218-01-9		1700	450	1	1	1	1	110	1	3.9	56	190000	35	230	mg/kg	0.1	U	0.064	J	0.11	U	0.2	J
Di-n-butylphthalate	84-74-2		68000	6100									10000	10000	4900	mg/kg	0.17	U	0.19	U	0.18	U	0.86	U
Di-n-octylphthalate	117-84-0		27000	2400									10000	2200	10000	mg/kg	0.17	U	0.19	U	0.18	U	0.86	U
Dibenzo(a,h)anthracene	53-70-3		2	0.5	0.33	0.56	0.33	0.33	1.1	0.33	0.33	0.56	190000	1	22	mg/kg	0.1	U	0.12	U	0.11	U	0.52	U
Dibenzofuran	132-64-9					210	59	14	1000	14	59	350	190000	220	310	mg/kg	0.17	U	0.19	U	0.18	U	0.86	U
Diethyl phthalate	84-66-2		550000	49000									10000	10000	2900	mg/kg	0.17	U	0.19	U	0.18	U	0.86	U
Dimethyl phthalate	131-11-3															mg/kg	0.17	U	0.19	U	0.18	U	0.86	U
Fluoranthene	206-44-0		24000	2300	100	500	100	100	1000	100	100	500	190000	8800	3200	mg/kg	0.1	U	0.091	J	0.11	U	0.18	J
Fluorene	86-73-7		24000	2300	30	386	100	100	1000	100	100	500	190000	8800	3800	mg/kg	0.17	U	0.19	U	0.18	U	0.86	U
Hexachlorobenzene	118-74-1		1	0.3		3.2	1.2	0.33	12	0.33	1.2	6	190000	12	0.96	mg/kg	0.1	U	0.12	U	0.11	U	0.52	U
Hexachlorobutadiene	87-68-3		25	6									10000	220	52	mg/kg	0.17	U	0.19	U	0.18	U	0.86	U
Hexachlorocyclopentadiene	77-47-4		110	45									10000	1300	91	mg/kg	0.5	U	0.56	U	0.51	U	2.4	U
Hexachloroethane	67-72-1		48	12									270	46	0.56	mg/kg	0.14	U	0.16	U	0.14	U	0.69	U
Indeno(1,2,3-cd)pyrene	193-39-5		17	5	0.5	5.6	0.5	0.5	11	0.5	0.5	5.6	190000	3.5	76	mg/kg	0.14	U	0.046	J	0.14	U	0.69	U
Isophorone	78-59-1		2000	510									10000	10000	1.9	mg/kg	0.16	U	0.17	U	0.16	U	0.77	U
n-Nitrosodi-n-propylamine	621-64-7		0.3	0.2									1.3	0.22	0.0068	mg/kg	0.17	U	0.19	U	0.18	U	0.86	U
Naphthalene	91-20-3		17	6	12	12	12	12	1000	100	100	500	77	13	25	mg/kg	0.17	U	0.19	U	0.18	U	0.1	J
NDPA/DPA	86-30-6		390	99									990	170	110	mg/kg	0.14	U	0.16	U	0.14	U	0.69	U
Nitrobenzene	98-95-3		14	5									63	11	10	mg/kg	0.16	U	0.17	U	0.16	U	0.77	U
p-Chloro-m-cresol	59-50-7												190000	22000	2500	mg/kg	0.17	U	0.19	U	0.18	U	0.86	U
Pentachlorophenol	87-86-5		3	0.9		0.8	0.8	0.8	55	2.4	6.7	6.7	190000	47	5	mg/kg	0.14	U	0.16	U	0.14	U	0.69	U
Phenanthrene	85-01-8		300000		100	500	100	100	1000	100	100	500	190000	66000	10000	mg/kg	0.1	U	0.058	J	0.11	U	0.21	J
Phenol	108-95-2		210000	18000		0.33	0.33	0.33	1000	100	100	500	18000	3800	33	mg/kg	0.17	U	0.19	U	0.18	U	0.86	U
Pyrene	129-00-0		18000	1700	100	500	100	100	1000	100	100	500	190000	6600	2200	mg/kg	0.1	U	0.082	J	0.11	U	0.21	J
TCLP Metals by EPA 1311																								
Arsenic, TCLP	7440-38-2	5														mg/l	1	U	1	U	1	U	1	U
Barium, TCLP	7440-39-3	100														mg/l	0.17	J	0.136	J	0.72		1.7	
Cadmium, TCLP	7440-43-9	1														mg/l	0.1	U	0.1	U	0.1	U	0.1	U
Chromium, TCLP	7440-47-3	5														mg/l	0.2	U	0.2	U	0.2	U	0.2	U
Lead, TCLP	7439-92-1	5														mg/l	0.5	U	0.5	U	0.275	J	9.66	
Mercury, TCLP	7439-97-6	0.2														mg/l	0.001	U	0.001	U	0.001	U	0.001	U
Selenium, TCLP	7782-49-2	1														mg/l	0.5	U	0.5	U	0.5	U	0.5	U
Silver, TCLP	7440-22-4	5														mg/l	0.1	U	0.1	U	0.1	U	0.1	U
Total Metals																								
Aluminum, Total	7429-90-5			78000												mg/kg	852		1000		686		2580	
Antimony, Total	7440-36-0		450	31									190000	88	27	mg/kg	3.96	U	4.59	U	4.11	U	4.08	U
Arsenic, Total	7440-38-2		19	19		16	16	16	16	16	16	16	190000	12	29	mg/kg	1.27		1.18		0.913		3.75	
Barium, Total	7440-39-3		59000	16000		400	400	350	10000	350	400	400	190000	44000	8200	mg/kg	8.57		8.38		5.5		18.1	
Beryllium, Total	7440-41-7		140	16		47	47	14	2700	14	72	590	190000	440	320	mg/kg	0.055	J	0.064	J	0.033	J	0.098	J
Cadmium, Total	7440-43-9		78	78		7.5	4.3	2.5	60	2.5	4.3	9.3	190000	110	38	mg/kg	0.19	J	0.092	J	0.091	J	0.261	J
Calcium, Total	7440-70-2															mg/kg	1010		286		125		19000	
Chromium, Total	7440-47-3															mg/kg	2.36		2.79		3.36		5.48	
Cobalt, Total	7440-48-4		590	1600									190000	66	160	mg/kg	1.09	J	0.863	J	0.79	J	2.4	
Copper, Total	7440-50-8		45000	3100		270	270	270	10000	270	270	270	190000	7200	43000	mg/kg	4.95		3.06		3.01		14.4	
Iron, Total	7439-89-6												190000	150000	190000	mg/kg	3600		1990		2150		5700	

Table 1 Waste Classification Soil Analytical Results
25th Avenue, Between Hunter Avenue and Gravesend Bay
Brooklyn, New York

LOCATION																WC-1		WC-2		WC-3		WC-4	
SAMPLING DATE	CasNum	EPA-TCLP	NJ-NRDCSRS	NJ-RDCSRS	NY-CP51	NY-DER10-CIU	NY-DER10-RRU	NY-DER10-RU	NY-RESI	NY-RESR	NY-RESRR	NY-RESC	PA-NRDCS2	PA-RDCS	PA-RFCL	Units	1/21/2022		1/21/2022		1/21/2022		1/21/2022	
LAB SAMPLE ID																	L2203656-01		L2203656-02		L2203656-03		L2203656-04	
SAMPLE TYPE																	SOIL		SOIL		SOIL		SOIL	
																	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Lead, Total	7439-92-1		800	400		450	400	400	3900	400	400	1000	190000	500	450	mg/kg	14.3		4.86		11.9		55.5	
Magnesium, Total	7439-95-4															mg/kg	465		498		233		13400	
Manganese, Total	7439-96-5		5900	11000		2000	2000	2000	10000	2000	2000	10000	190000	31000	2000	mg/kg	59.1		20		36.5		111	
Mercury, Total	7439-97-6		65	23		0.73	0.73	0.73	5.7	0.81	0.81	2.8	190000	35	10	mg/kg	0.065	U	0.074	U	0.069	U	0.048	J
Nickel, Total	7440-02-0		23000	1600		130	130	130	10000	140	310	310	190000	4400	650	mg/kg	2.65		2.8		1.99	J	9.97	
Potassium, Total	7440-09-7															mg/kg	101	J	238		75.5	J	330	
Selenium, Total	7782-49-2		5700	390		4	4	4	6800	36	180	1500	190000	1100	26	mg/kg	1.58	U	1.84	U	1.64	U	1.63	U
Silver, Total	7440-22-4		5700	390		8.3	8.3	8.3	6800	36	180	1500	190000	1100	84	mg/kg	0.791	U	0.918	U	0.823	U	0.816	U
Sodium, Total	7440-23-5															mg/kg	21.9	J	108	J	10.9	J	1090	
Thallium, Total	7440-28-0												190000	2	14	mg/kg	1.58	U	1.84	U	1.64	U	1.63	U
Vanadium, Total	7440-62-2		1100	78									190000	15	220	mg/kg	4		3.4		2.92		9.44	
Zinc, Total	7440-66-6		110000	23000		2480	2480	2200	10000	2200	10000	10000	190000	66000	12000	mg/kg	21.8		18.5		11.2		108	
Volatile Organics by EPA 5035																								
1,1,1,2-Tetrachloroethane	630-20-6												340	60	18	mg/kg	0.00069	U	0.00055	U	0.00059	U	0.00068	U
1,1,1-Trichloroethane	71-55-6			160000		0.68	0.68	0.68	1000	100	100	500	10000	10000	7.2	mg/kg	0.00069	U	0.00055	U	0.00059	U	0.00068	U
1,1,2,2-Tetrachloroethane	79-34-5		3	1									44	7.6	0.13	mg/kg	0.00069	U	0.00055	U	0.00059	U	0.00068	U
1,1,2-Trichloroethane	79-00-5		6	2									18	3.8	0.15	mg/kg	0.0014	U	0.0011	U	0.0012	U	0.0014	U
1,1-Dichloroethane	75-34-3		24	8		0.27	0.27	0.27	480	19	26	240	1600	280	3.9	mg/kg	0.0014	U	0.0011	U	0.0012	U	0.0014	U
1,1-Dichloroethene	75-35-4		150	11		0.33	0.33	0.33	1000	100	100	500	10000	3800	0.19	mg/kg	0.0014	U	0.0011	U	0.0012	U	0.0014	U
1,1-Dichloropropene	563-58-6															mg/kg	0.00069	U	0.00055	U	0.00059	U	0.00068	U
1,2,3-Trichlorobenzene	87-61-6															mg/kg	0.0028	U	0.0022	U	0.0024	U	0.0027	U
1,2,3-Trichloropropane	96-18-4												27	0.14	3	mg/kg	0.0028	U	0.0022	U	0.0024	U	0.0027	U
1,2,4,5-Tetramethylbenzene	95-93-2															mg/kg	0.0028	U	0.0022	U	0.0024	U	0.0027	U
1,2,4-Trichlorobenzene	120-82-1		820	73									190	39	27	mg/kg	0.0028	U	0.0022	U	0.0024	U	0.0027	U
1,2,4-Trimethylbenzene	95-63-6				3.6	3.6	3.6	3.6	380	47	52	190	5400	1100	35	mg/kg	0.0028	U	0.0022	U	0.0024	U	0.0027	U
1,2-Dibromo-3-chloropropane	96-12-8		0.2	0.08									0.42	0.029	0.0092	mg/kg	0.0042	U	0.0033	U	0.0035	U	0.0041	U
1,2-Dibromoethane	106-93-4		0.04	0.008									4.2	0.74	0.0012	mg/kg	0.0014	U	0.0011	U	0.0012	U	0.0014	U
1,2-Dichlorobenzene	95-50-1		59000	5300		1.1	1.1	1.1	1000	100	100	500	10000	3800	59	mg/kg	0.0028	U	0.0022	U	0.0024	U	0.0027	U
1,2-Dichloroethane	107-06-2		3	0.9		0.02	0.02	0.02	60	2.3	3.1	30	98	17	0.1	mg/kg	0.0014	U	0.0011	U	0.0012	U	0.0014	U
1,2-Dichloroethene, Total	540-59-0															mg/kg	0.0014	U	0.0011	U	0.0012	U	0.0014	U
1,2-Dichloropropane	78-87-5		5	2									0.69	0.12	0.11	mg/kg	0.0014	U	0.0011	U	0.0012	U	0.0014	U
1,3,5-Trimethylbenzene	108-67-8				8.4	8.4	8.4	8.4	380	47	52	190	5400	1100	210	mg/kg	0.0028	U	0.0022	U	0.0024	U	0.0027	U
1,3-Dichlorobenzene	541-73-1		59000	5300		2.4	2.4	2.4	560	17	49	280	10000	10000	61	mg/kg	0.0028	U	0.0022	U	0.0024	U	0.0027	U
1,3-Dichloropropane	142-28-9															mg/kg	0.0028	U	0.0022	U	0.0024	U	0.0027	U
1,3-Dichloropropene, Total	542-75-6												640	110		mg/kg	0.00069	U	0.00055	U	0.00059	U	0.00068	U
1,4-Dichlorobenzene	106-46-7		13	5		1.8	1.8	1.8	250	9.8	13	130	230	40	10	mg/kg	0.0028	U	0.0022	U	0.0024	U	0.0027	U
1,4-Dioxane	123-91-1					0.1	0.1	0.1	250	9.8	13	130	510	89	0.42	mg/kg	0.11	U	0.088	U	0.094	U	0.11	U
2,2-Dichloropropane	594-20-7															mg/kg	0.0028	U	0.0022	U	0.0024	U	0.0027	U
2-Butanone	78-93-3		44000	3100		0.12	0.12	0.12	1000	100	100	500	10000	10000	76	mg/kg	0.014	U	0.011	U	0.012	U	0.014	U
2-Hexanone	591-78-6												2700	570	6.4	mg/kg	0.014	U	0.011	U	0.012	U	0.014	U
4-Methyl-2-pentanone	108-10-1												10000	10000	140	mg/kg	0.014	U	0.011	U	0.012	U	0.014	U
Acetone	67-64-1			70000		0.05	0.05	0.05	1000	100	100	500	10000	10000	1200	mg/kg	0.014	U	0.011	U	0.012	U	0.014	U
Acrylonitrile	107-13-1		3	0.9									37	6.5	0.051	mg/kg	0.0055	U	0.0044	U	0.0047	U	0.0055	U
Benzene	71-43-2		5	2	0.06	0.06	0.06	0.06	89	2.9	4.8	44	330	57	0.13	mg/kg	0.00069	U	0.00055	U	0.00059	U	0.00068	U
Bromobenzene	108-86-1												5400	1100		mg/kg	0.0028	U	0.0022	U	0.0024	U	0.0027	U
Bromochloromethane	74-97-5												3600	760	1.6	mg/kg	0.0028	U	0.0022	U	0.0024	U	0.0027	U
Bromodichloromethane	75-27-4		3	1									69	12	2.7	mg/kg	0.00069	U	0.00055	U	0.00059	U	0.00068	U
Bromoform	75-25-2		280	81									2300	400	3.5	mg/kg	0.0055	U	0.0044	U	0.0047	U	0.0055	U
Bromomethane	74-83-9		59	25									460	95	0.54	mg/kg	0.0028	U	0.0022	U	0.0024	U	0.0027	U
Carbon disulfide	75-15-0		110000	7800									10000	10000	530	mg/kg	0.014	U	0.011	U	0.012	U	0.014	U
Carbon tetrachloride	56-23-5		4	2		0.76	0.76	0.76	44	1.4	2.4	22	430	75	0.26	mg/kg	0.0014	U	0.0011	U	0.0012	U	0.0014	U
Chlorobenzene	108-90-7		7400	510		1.1	1.1	1.1	1000	100	100	500	4500	950	6.1	mg/kg	0.00069	U	0.00055	U	0.00059	U	0.00068	U
Chloroethane	75-00-3		1100	220									10000	10000	26	mg/kg	0.0028	U	0.0022	U	0.0024	U	0.0027	U
Chloroform	67-66-3		2	0.6		0.37	0.37	0.37	700	10	49	350	110	19	2	mg/kg	0.0021	U	0.0016	U	0.0018	U	0.002	U
Chloromethane	74-87-3		12	4									1400	250	0.38	mg/kg	0.0055	U	0.0044	U	0.0047	U	0.0055	U
cis-1,2-Dichloroethene	156-59-2		560	230		0.25	0.25	0.25	1000	59	100	500	10000	440	1.6	mg/kg	0.0014	U	0.0011	U	0.0012	U	0.0014	U
cis-1,3-Dichloropropene	10061-01-5		7	2									640	110		mg/kg	0.00069	U	0.00055	U	0.00059	U	0.00068	U
Dibromochloromethane	124-48-1		8	3									10000	220	2.5	mg/kg	0.0014	U	0.0011	U	0.0012	U	0.0014	U
Dibromomethane	74-95-3												360	76	1.4	mg/kg	0.0028	U	0.0022	U	0.0024	U	0.0027	U
Dichlorodifluoromethane	75-71-8		230000	490									9100	1900	100	mg/kg	0.014	U	0.011	U	0.012	U	0.014	U
Ethyl ether	60-29-7												10000	10000	650	mg/kg	0.0028	U	0.0022	U	0.0024	U	0.0027	U
Ethylbenzene	100-41-4		110000	7800	1	1	1	1	780	30	41	390	1000	180	46	mg/kg	0.0014	U	0.0011	U	0.0012	U	0.0014	U
Hexachlorobutadiene	87-68-3		25	6									10000	220	52	mg/kg	0.0055	U	0.0044	U	0.0047	U	0.0055	U
Isopropylbenzene	98-82-8				2.3								10000	7600	2500	mg/kg	0.0014	U	0.0011	U	0.0012	U	0.0014	U
Methyl tert butyl ether	1634-04-4		320	110	0.93	0.93	0.93	0.93	1000	62	100	500	9800	1700	0.28	mg/kg	0.0028	U	0.0022	U	0.0024	U	0.0027	U
Methylene chloride	75-09-2		230	46		0.05	0.05	0.05	1000	51	100	500	10000	1300	0.076	mg/kg	0.0069	U	0.0055	U	0.0059	U	0.0068	U
n-Butylbenzene	104-51-8				12	12	12	12	1000	100	100	500	10000	10000	3700	mg/kg	0.0014	U	0.0011	U	0.0012	U	0.0014	U
n-Propylbenzene	103-65-1				3.9	3.9	3.9	3.9	1000	100	100	500	10000	10000	1700	mg/kg	0.0014	U	0.0011	U	0.0012	U	0.0014	U
Naphthalene	91-20-3		17	6	12	12	12	12	1000	100	100	500	77	13	25	mg/kg	0.0055	U	0.0044	U	0.0047	U	0.0055	U
o-Chlorotoluene	95-49-8												10000	4400	20	mg/kg	0.0028	U	0.0022	U	0.0024	U	0.0027	U

Table 1 Waste Classification Soil Analytical Results
25th Avenue, Between Hunter Avenue and Gravesend Bay
Brooklyn, New York

LOCATION																WC-1		WC-2		WC-3		WC-4	
SAMPLING DATE	CasNum	EPA-TCLP	NJ-NRDCSRS	NJ-RDCSRS	NY-CP51	NY-DER10-CIU	NY-DER10-RRU	NY-DER10-RU	NY-RESI	NY-RESR	NY-RESRR	NY-RESC	PA-NRDCS2	PA-RDCS	PA-RFCL	Units	1/21/2022		1/21/2022		1/21/2022		1/21/2022	
LAB SAMPLE ID																	L2203656-01		L2203656-02		L2203656-03		L2203656-04	
SAMPLE TYPE																	SOIL		SOIL		SOIL		SOIL	
																	Results	Qual	Results	Qual	Results	Qual	Results	Qual
o-Xylene	95-47-6		170000	12000	0.26								9100	1900		mg/kg	0.0014	U	0.0011	U	0.0012	U	0.0014	U
p-Chlorotoluene	106-43-4												10000	4400	10	mg/kg	0.0028	U	0.0022	U	0.0024	U	0.0027	U
p-Diethylbenzene	105-05-5															mg/kg	0.0028	U	0.0022	U	0.0024	U	0.0027	U
p-Ethyltoluene	622-96-8															mg/kg	0.0028	U	0.0022	U	0.0024	U	0.0027	U
p-Isopropyltoluene	99-87-6				10											mg/kg	0.0016		0.00022	J	0.0012	U	0.0014	U
p/m-Xylene	179601-23-1		170000	12000	0.26								9100	1900		mg/kg	0.0028	U	0.0022	U	0.0024	U	0.0027	U
sec-Butylbenzene	135-98-8				11	11	11	11	1000	100	100	500	10000	10000	2800	mg/kg	0.0014	U	0.0011	U	0.0012	U	0.0014	U
Styrene	100-42-5		260	90									10000	10000	24	mg/kg	0.0014	U	0.0011	U	0.0012	U	0.0014	U
tert-Butylbenzene	98-06-6				5.9	5.9	5.9	5.9	1000	100	100	500	10000	10000	2200	mg/kg	0.0028	U	0.0022	U	0.0024	U	0.0027	U
Tetrachloroethene	127-18-4		1500	43		1.3	1.3	1.3	300	5.5	19	150	3600	760	0.43	mg/kg	0.00069	U	0.00055	U	0.00059	U	0.00068	U
Toluene	108-88-3		91000	6300	0.7	0.7	0.7	0.7	1000	100	100	500	10000	10000	44	mg/kg	0.0014	U	0.0011	U	0.0012	U	0.0014	U
trans-1,2-Dichloroethene	156-60-5		720	300		0.19	0.19	0.19	1000	100	100	500	10000	4400	2.3	mg/kg	0.0021	U	0.0016	U	0.0018	U	0.002	U
trans-1,3-Dichloropropene	10061-02-6		7	2									640	110		mg/kg	0.0014	U	0.0011	U	0.0012	U	0.0014	U
trans-1,4-Dichloro-2-butene	110-57-6												0.6	0.11	0.0039	mg/kg	0.0069	U	0.0055	U	0.0059	U	0.0068	U
Trichloroethene	79-01-6		10	3		0.47	0.47	0.47	400	10	21	200	180	38	0.17	mg/kg	0.00069	U	0.00055	U	0.00059	U	0.00068	U
Trichlorofluoromethane	75-69-4		340000	23000									10000	10000	87	mg/kg	0.0055	U	0.0044	U	0.0047	U	0.0055	U
Vinyl acetate	108-05-4												10000	3800	21	mg/kg	0.014	U	0.011	U	0.012	U	0.014	U
Vinyl chloride	75-01-4		2	0.7		0.02	0.02	0.02	27	0.21	0.9	13	290	0.93	0.027	mg/kg	0.0014	U	0.0011	U	0.0012	U	0.0014	U
Xylenes, Total	1330-20-7		170000	12000	0.26	1.6	1.6	1.6	1000	100	100	500	9100	1900	990	mg/kg	0.0014	U	0.0011	U	0.0012	U	0.0014	U

Footnotes:
EPA-TCLP: EPA Toxicity Characteristic (TCLP) Regulatory Levels
NJ-NRDCSRS: New Jersey 2017 Non-Residential Direct Contact Soil Remediation Standards
NJ-RDCSRS: New Jersey 2017 Residential Direct Contact Soil Remediation Standards
NY-DER10-CIU: New York DER-10 Commercial or Industrial Use Allowable Constituent Levels for Imported Fill & Soil
NY-DER10-RRU: New York DER-10 Restricted Residential Use Allowable Constituent Levels for Imported Fill & Soil Criteria
NY-DER10-RU: New York DER-10 Restricted Use Allowable Constituent Levels for Imported Fill & Soil Criteria
NY-RESI: New York NYCRR Part 375 Industrial Criteria, New York Restricted use Criteria
NY-RESR: New York NYCRR Part 375 Residential Criteria, New York Restricted use Criteria
NY-RESRR: New York NYCRR Part 375 Restricted-Residential Criteria, New York Restricted use Criteria
NY-RESC: New York NYCRR Part 375 Commercial Criteria, New York Restricted use Criteria
PA-NRDCS2: Pennsylvania Non-Residential Direct Contact Subsurface Soil (2-15')
PA-RDCS: Pennsylvania Residential Direct Contact Soil MSCs
PA-RFCL: Pennsylvania Regulated Fill Concentration Limits Criteria
Yellow highlight: indicates detection above a standard
Gray Highlight Indicates Non-detect; Detection Limit above limit
SU: Standard Units
mg/kg: miligram per kilogram
mg/L: miligram per liter
Q - The quality control sample exceeds the associated acceptance criteria.
U - Not detected at the reported detection limit for the sample.

Table 2 Soil Analytical Results
25th Avenue, Between Hunter Avenue and Gravesend Bay
Brooklyn, New York

SAMPLE ID:														SB4-S				SB4-S2				SB4-N				SB4-N2				SB4-E				SB4-W			
LAB ID:	CAS	EPA-TCLP	NJ-NRDCSRS	NJ-RDCSRS	PA-NRDCS2	PA-RDCS	NY-DER10-CIU	NY-DER10-RRU	NY-DER10-RU	NY-RESI	NY-RESR	NY-RESC	PA-RFCL	L2209984-01				L2209984-02				L2209984-03				L2209984-04				L2209984-05				L2209984-06			
COLLECTION DATE:														2/24/2022				2/24/2022				2/24/2022				2/24/2022				2/24/2022				2/24/2022			
SAMPLE MATRIX:														SOIL				SOIL				SOIL				SOIL				SOIL				SOIL			
ANALYTE		(mg/l)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
TOTAL METALS																																					
Lead, Total	7439-92-1		800	400	190000	500	450	400	400	3900	400	1000	450	98.8		2.09	0.11	224		2.16	0.12	20		2.16	0.12	230		2.1	0.11	49.1		2.28	0.12	10.9		2.27	0.12
TCLP METALS BY EPA 1311																																					
Lead, TCLP	7439-92-1	5												0.05	J	0.5	0.03	0.94		0.5	0.03	ND		0.5	0.03	0.17	J	0.5	0.03	0.06	J	0.5	0.03	ND		0.5	0.03
GENERAL CHEMISTRY																																					
Solids, Total	NONE													91.4		0.1	NA	90.9		0.1	NA	90.3		0.1	NA	90		0.1	NA	86.6		0.1	NA	87.7		0.1	NA

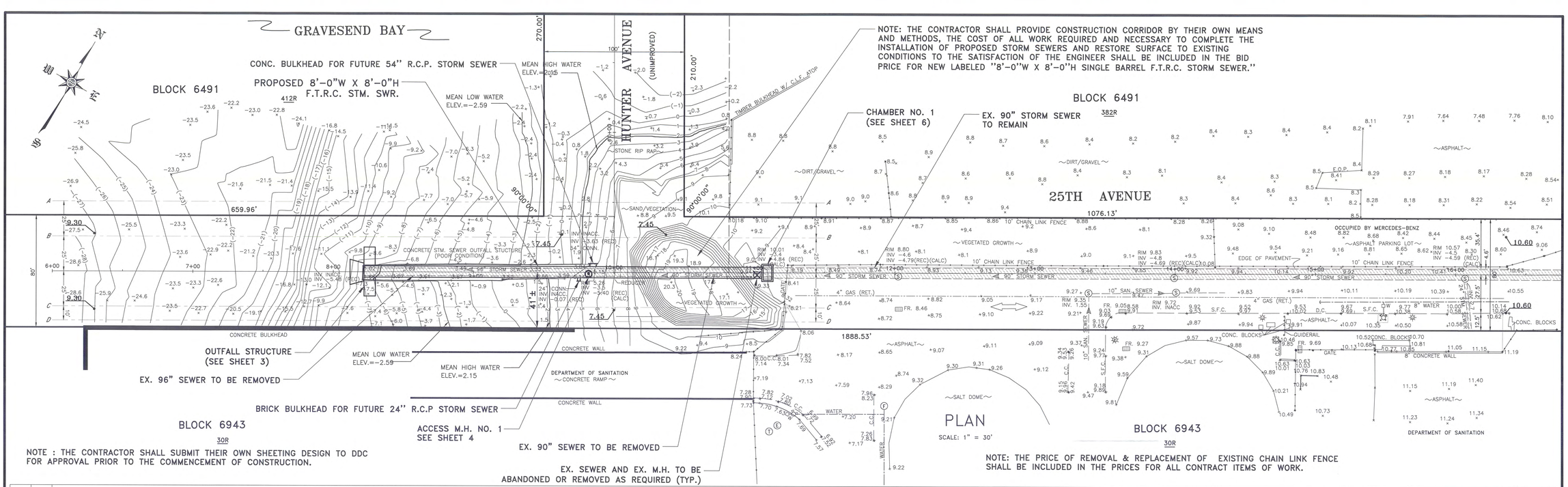
* Comparison is not performed on parameters with non-numeric criteria.

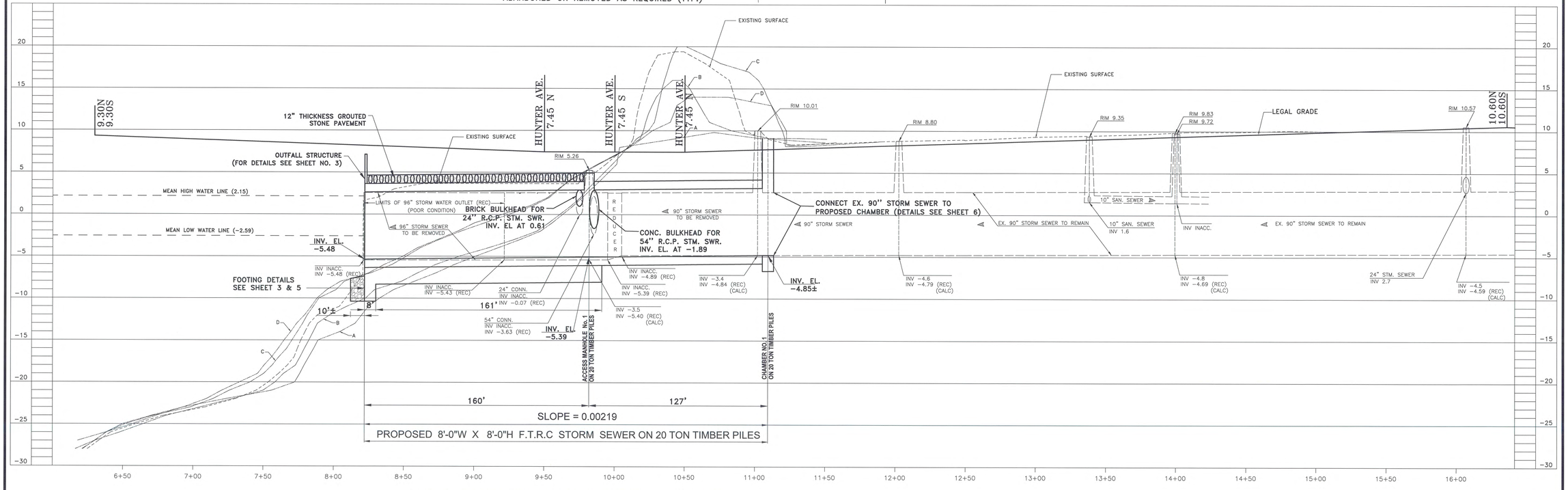
Footnotes:
EPA-TCLP: EPA Toxicity Characteristic (TCLP) Regulatory Levels Criteria per 40CFR Part 261 as of September 10, 2015.
NJ-NRDCSRS: New Jersey 2017 Non-Residential Direct Contact Soil Remediation Standards Criteria per Soil Remediation Standards, last amended September 18, 2017.
NJ-RDCSRS: New Jersey 2017 Residential Direct Contact Soil Remediation Standards Criteria per Soil Remediation Standards, last amended September 18, 2017.
PA-NRDCS2: Pennsylvania Non-Residential Direct Contact Subsurface Soil (2-15') MSCs Criteria per November 20, 2021 Statewide Health Standards.
PA-RDCS: Pennsylvania Residential Direct Contact Soil MSCs Criteria per November 20, 2021 Statewide Health Standards.
PA-RFCL: Pennsylvania Regulated Fill Concentration Limits Criteria per Waste Management Regulations effective January 1, 2020.
NY-DER10-CIU: New York DER-10 Commercial or Industrial Use Allowable Constituent Levels for Imported Fill & Soil Criteria per DER-10 Technical Guidance for Site Investigation & Remediation issued May 3, 2010.
NY-DER10-RRU: New York DER-10 Restricted Residential Use Allowable Constituent Levels for Imported Fill & Soil Criteria per DER-10 Technical Guidance for Site Investigation & Remediation issued May 3, 2010.
NY-DER10-RU: New York DER-10 Restricted Use Allowable Constituent Levels for Imported Fill & Soil Criteria per DER-10 Technical Guidance for Site Investigation & Remediation issued May 3, 2010.
NY-RESI: New York NYCRR Part 375 Industrial Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.
NY-RESR: New York NYCRR Part 375 Residential Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.

NY-RESC: New York NYCRR Part 375 Commercial Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.
SU: Standard Units
mg/kg: miligram per kilogram
mg/L: miligram per liter
Q - The quality control sample exceeds the associated acceptance criteria.
J: indicates that analyte concentration is an estimated value

Exhibit 1

Phase Construction Diagrams





SEWER PROFILE ALONG 25TH AVENUE

SCALE: VERT: 1" = 5'
HORIZ: 1" = 30'

NOTES:
1. ALL ELEVATIONS REFER TO NAVD88 DATUM, ESTABLISHED BY GLOBAL POSITIONING SYSTEM METHODOLOGY, USING (GEOID 12A).
2. MEAN HIGH WATER ELEVATION= 2.15 FEET (NAVD88), MEAN LOW WATER ELEVATION= -2.59 FEET (NAVD88), BASED ON NOAA PROGRAM VDATUM FOR NAVD88 (GEOID12A).
3. DATUM CONVERSION NAVD88 ELEVATIONS TO BROOKLYN SEWER DATUM ELEVATIONS = -0.617 FEET
4. DATUM CONVERSION NAVD88 ELEVATIONS TO BROOKLYN HIGHWAY DATUM ELEVATIONS = -1.447 FEET

NO.	DATE	DESCRIPTIONS	BY	APPR'D
		REVISIONS		

TOPOGRAPHIC SURVEY PREPARED BY:
X
X
X
X
LICENSED LAND SURVEYOR

DESIGNED M.K.
DRAWN M.K.
CHECKED R.L./C.L.

SCALE AS SHOWN
CADD FILE SEK 20070 SHEET (PLAN AND PROFILE VIEW)

ENGINEER-IN-CHARGE
DIRECTOR

CITY OF NEW YORK
DEPARTMENT OF DESIGN + CONSTRUCTION
DIVISION OF INFRASTRUCTURE
BUREAU OF DESIGN

25th AVE. BETWEEN HUNTER AVE. AND GRAVESEND BAY
STORM SEWER OUTFALL
PLAN AND PROFILE

CONSTRUCTION OF 8'-0"W X 8'-0"H STORM SEWER ALONG 25TH AVE.
BOROUGH OF BROOKLYN

PROJECT ID: SEK - 20070 | DATE: 01/31/2019 | SHEET 2 OF 6

IN-HOUSE DESIGN

CAPITAL PROJECT SEK-20070, 25TH AVE. BETWEEN HUNTER AVE. AND GRAVESEND BAY, BOROUGH OF BROOKLYN.

Exhibit 2

Laboratories Certifications

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2022
Issued April 01, 2021

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. JOSEPH L. WATKINS
ALPHA ANALYTICAL
8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No: 11148

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2016) for the category ENVIRONMENTAL ANALYSES POTABLE WATER
All approved analytes are listed below:

Bacteriology	
Coliform, Total / E. coli (Qualitative)	SM 20, 21-23 9223B (-04) (Colilert)
E. coli (Enumeration)	SM 20, 21-23 9223B (-04) (Colilert)
Heterotrophic Plate Count	SM 20, 21-23 9215B (-04)
Fuel Additives	
Methyl tert-butyl ether	EPA 524.2
Naphthalene	EPA 524.2
Microextractables	
1,2,3-Trichloropropane, Low Level	EPA 504.1
1,2-Dibromo-3-chloropropane, Low Level	EPA 504.1
1,2-Dibromoethane, Low Level	EPA 504.1
Miscellaneous	
Odor	SM 21-23 2150 B (-97)
Organic Carbon, Dissolved	SM 21-23 5310C (-00)
Organic Carbon, Total	SM 21-23 5310C (-00)
Perchlorate	EPA 332.0 Rev. 1
Turbidity	SM 21-23 2130 B (-01)
	EPA 180.1 Rev. 2.0
Non-Metals	
Alkalinity	SM 21-23 2320B (-97)
Chloride	EPA 300.0 Rev. 2.1
Color	SM 21-23 2120B (-01)
Cyanide	SM 20, 21-23 4500-CN E
Fluoride, Total	EPA 300.0 Rev. 2.1
	SM 21-23 4500-F C (-97)

Non-Metals	
Nitrate (as N)	EPA 353.2 Rev. 2.0
	EPA 300.0 Rev. 2.1
	SM 21-23 4500-NO3 F (-00)
Nitrite (as N)	EPA 353.2 Rev. 2.0
	SM 21-23 4500-NO3 F (-00)
	SM 21-23 4500-NO2 B (-00)
Orthophosphate (as P)	SM 19, 21-23 4500-P E (-99)
Solids, Total Dissolved	SM 21-23 2540C (-97)
Specific Conductance	SM 21-23 2510B (-97)
Sulfate (as SO4)	EPA 300.0 Rev. 2.1
Trihalomethanes	
Bromodichloromethane	EPA 524.2
Bromoform	EPA 524.2
Chloroform	EPA 524.2
Dibromochloromethane	EPA 524.2
Total Trihalomethanes	EPA 524.2
Volatile Aromatics	
1,2,3-Trichlorobenzene	EPA 524.2
1,2,4-Trichlorobenzene	EPA 524.2
1,2,4-Trimethylbenzene	EPA 524.2
1,2-Dichlorobenzene	EPA 524.2
1,3,5-Trimethylbenzene	EPA 524.2
1,3-Dichlorobenzene	EPA 524.2
1,4-Dichlorobenzene	EPA 524.2
2-Chlorotoluene	EPA 524.2

Serial No.: 62895

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All approved analytes are listed below:

Volatile Aromatics

4-Chlorotoluene	EPA 524.2
Benzene	EPA 524.2
Bromobenzene	EPA 524.2
Chlorobenzene	EPA 524.2
Ethyl benzene	EPA 524.2
Hexachlorobutadiene	EPA 524.2
Isopropylbenzene	EPA 524.2
n-Butylbenzene	EPA 524.2
n-Propylbenzene	EPA 524.2
p-Isopropyltoluene (P-Cymene)	EPA 524.2
sec-Butylbenzene	EPA 524.2
Styrene	EPA 524.2
tert-Butylbenzene	EPA 524.2
Toluene	EPA 524.2
Total Xylenes	EPA 524.2

Volatile Halocarbons

1,1,1,2-Tetrachloroethane	EPA 524.2
1,1,1-Trichloroethane	EPA 524.2
1,1,2,2-Tetrachloroethane	EPA 524.2
1,1,2-Trichloroethane	EPA 524.2
1,1-Dichloroethane	EPA 524.2
1,1-Dichloroethene	EPA 524.2
1,1-Dichloropropene	EPA 524.2
1,2,3-Trichloropropane	EPA 524.2
1,2-Dichloroethane	EPA 524.2

Volatile Halocarbons

1,2-Dichloropropane	EPA 524.2
1,3-Dichloropropane	EPA 524.2
2,2-Dichloropropane	EPA 524.2
Bromochloromethane	EPA 524.2
Bromomethane	EPA 524.2
Carbon tetrachloride	EPA 524.2
Chloroethane	EPA 524.2
Chloromethane	EPA 524.2
cis-1,2-Dichloroethene	EPA 524.2
cis-1,3-Dichloropropene	EPA 524.2
Dibromomethane	EPA 524.2
Dichlorodifluoromethane	EPA 524.2
Methylene chloride	EPA 524.2
Tetrachloroethene	EPA 524.2
trans-1,2-Dichloroethene	EPA 524.2
trans-1,3-Dichloropropene	EPA 524.2
Trichloroethene	EPA 524.2
Trichlorofluoromethane	EPA 524.2
Vinyl chloride	EPA 524.2

Sample Preparation Methods

SM 20, 21-23 4500-CN C (-99)

Serial No.: 62895

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

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All approved analytes are listed below:

Acrylates	
Acrolein (Propenal)	EPA 8260D
	EPA 8260C
	EPA 624.1
Acrylonitrile	EPA 8260D
	EPA 8260C
	EPA 624.1
Ethyl methacrylate	EPA 8260D
	EPA 8260C
Methyl methacrylate	EPA 8260D
	EPA 8260C
Amines	
1,2-Diphenylhydrazine	EPA 625.1
	EPA 8270D
	EPA 8270E
2-Naphthylamine	EPA 8270D
	EPA 8270E
2-Nitroaniline	EPA 8270D
	EPA 8270E
3-Nitroaniline	EPA 8270D
	EPA 8270E
4-Chloroaniline	EPA 8270D
	EPA 8270E
4-Nitroaniline	EPA 8270D
	EPA 8270E
Aniline	EPA 625.1

Amines	
Aniline	EPA 8270D
	EPA 8270E
Carbazole	EPA 625.1
	EPA 8270D
	EPA 8270E
Diphenylamine	EPA 8270D
	EPA 8270E
Pyridine	EPA 625.1
	EPA 8270D
	EPA 8270E
Bacteriology	
Coliform, Fecal	SM 9221C E-2006
Heterotrophic Plate Count	SM 18-21 9215B
Benzidines	
3,3'-Dichlorobenzidine	EPA 625.1
	EPA 8270D
	EPA 8270E
Benzidine	EPA 625.1
	EPA 8270D
	EPA 8270E
Chlorinated Hydrocarbon Pesticides	
4,4'-DDD	EPA 8081B
	EPA 608.3
4,4'-DDE	EPA 8081B

Serial No.: 62896

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WADSWORTH CENTER

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All approved analytes are listed below:

Chlorinated Hydrocarbon Pesticides	
4,4'-DDE	EPA 608.3
4,4'-DDT	EPA 8081B
	EPA 608.3
Aldrin	EPA 8081B
	EPA 608.3
alpha-BHC	EPA 8081B
	EPA 608.3
alpha-Chlordane	EPA 8081B
beta-BHC	EPA 8081B
	EPA 608.3
Chlordane Total	EPA 8081B
	EPA 608.3
delta-BHC	EPA 8081B
	EPA 608.3
Dieldrin	EPA 8081B
	EPA 608.3
Endosulfan I	EPA 8081B
	EPA 608.3
Endosulfan II	EPA 8081B
	EPA 608.3
Endosulfan sulfate	EPA 8081B
	EPA 608.3
Endrin	EPA 8081B
	EPA 608.3
Endrin aldehyde	EPA 8081B
	EPA 608.3

Chlorinated Hydrocarbon Pesticides	
Endrin Ketone	EPA 8081B
gamma-Chlordane	EPA 8081B
Heptachlor	EPA 8081B
	EPA 608.3
Heptachlor epoxide	EPA 8081B
	EPA 608.3
Lindane	EPA 8081B
	EPA 608.3
Methoxychlor	EPA 8081B
	EPA 608.3
Mirex	EPA 608.3
PCNB	EPA 8270D
	EPA 8270E
Toxaphene	EPA 8081B
	EPA 608.3
Chlorinated Hydrocarbons	
1,2,3-Trichlorobenzene	EPA 8260D
	EPA 8260C
1,2,4,5-Tetrachlorobenzene	EPA 8270D
	EPA 8270E
1,2,4-Trichlorobenzene	EPA 625.1
	EPA 8270D
	EPA 8270E
2-Chloronaphthalene	EPA 625.1
	EPA 8270D

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WADSWORTH CENTER

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CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. JOSEPH L. WATKINS
ALPHA ANALYTICAL
8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No: 11148

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2016) for the category ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:

Chlorinated Hydrocarbons	
2-Chloronaphthalene	EPA 8270E
Hexachlorobenzene	EPA 625.1
	EPA 8270D
	EPA 8270E
Hexachlorobutadiene	EPA 625.1
	EPA 8270D
	EPA 8270E
Hexachlorocyclopentadiene	EPA 625.1
	EPA 8270D
	EPA 8270E
Hexachloroethane	EPA 625.1
	EPA 8270D
	EPA 8270E
Chlorophenoxy Acid Pesticides	
2,4,5-T	EPA 8151A
2,4,5-TP (Silvex)	EPA 8151A
2,4-D	EPA 8151A
2,4-DB	EPA 8151A
Dalapon	EPA 8151A
Dicamba	EPA 8151A
Dichloroprop	EPA 8151A
Dinoseb	EPA 8151A
Demand	
Biochemical Oxygen Demand	SM 5210B-2011
Carbonaceous BOD	SM 5210B-2011

Demand	
Chemical Oxygen Demand	EPA 410.4, Rev. 2.0 (1993)
	SM 5220D-2011
Fuel Oxygenates	
Di-isopropyl ether	EPA 8260D
	EPA 8260C
Ethanol	EPA 8260D
	EPA 8260C
Methyl tert-butyl ether	EPA 8260D
	EPA 8260C
	EPA 624.1
tert-amyl methyl ether (TAME)	EPA 8260D
	EPA 8260C
tert-butyl alcohol	EPA 8260D
	EPA 8260C
	EPA 624.1
tert-butyl ethyl ether (ETBE)	EPA 8260D
	EPA 8260C
Haloethers	
2,2'-Oxybis(1-chloropropane)	EPA 625.1
	EPA 8270D
	EPA 8270E
4-Bromophenylphenyl ether	EPA 625.1
	EPA 8270D
	EPA 8270E
4-Chlorophenylphenyl ether	EPA 625.1

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Haloethers	
4-Chlorophenylphenyl ether	EPA 8270D
	EPA 8270E
Bis(2-chloroethoxy)methane	EPA 625.1
	EPA 8270D
	EPA 8270E
Bis(2-chloroethyl)ether	EPA 625.1
	EPA 8270D
	EPA 8270E
Low Level Halocarbons	
1,2,3-Trichloropropane, Low Level	EPA 8011
1,2-Dibromo-3-chloropropane, Low Level	EPA 8011
1,2-Dibromoethane, Low Level	EPA 8011
Low Level Polynuclear Aromatics	
Acenaphthene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Acenaphthylene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Anthracene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Benzo(a)anthracene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Benzo(a)pyrene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Benzo(b)fluoranthene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Low Level Polynuclear Aromatics	
Benzo(g,h,i)perylene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Benzo(k)fluoranthene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Chrysene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Dibenzo(a,h)anthracene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Fluoranthene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Fluorene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Indeno(1,2,3-cd)pyrene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Naphthalene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Phenanthrene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Pyrene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Metals I	
Iron, Total	SM 3500-Fe B-2011
Metals II	
Chromium VI	EPA 7196A
	SM 3500-Cr B-2011

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Mineral	
Acidity	SM 2310B-2011
Alkalinity	SM 2320B-2011
Chloride	EPA 300.0, Rev. 2.1 (1993)
	SM 4500-Cl- E-2011
	EPA 9056A
Fluoride, Total	EPA 300.0, Rev. 2.1 (1993)
	SM 4500-F- C-2011
	EPA 9056A
Sulfate (as SO4)	EPA 300.0, Rev. 2.1 (1993)
	SM 4500-SO4- E-2011
	EPA 9056A
Miscellaneous	
Bromide	EPA 300.0, Rev. 2.1 (1993)
Color	SM 2120B-2011
Cyanide, Total	LACHAT QuikChem 10-204-00-1-X
	EPA 9014
	SM 4500-CN E-2011
	EPA 9012B
Formaldehyde	EPA 8315A
non-Polar Extractable Material (TPH)	EPA 1664A
	EPA 1664B
Oil and Grease Total Recoverable (HEM)	EPA 1664A
	EPA 1664B
Organic Carbon, Total	SM 5310C-2011
	EPA 9060A

Miscellaneous	
Perchlorate	EPA 6860
Phenols	EPA 420.1 (Rev. 1978)
	EPA 9065
Specific Conductance	EPA 120.1 (Rev. 1982)
	SM 2510B-2011
	EPA 9050A
Sulfide (as S)	SM 4500-S2- D-2011
Surfactant (MBAS)	SM 5540C-2011
Turbidity	SM 2130 B-2011
	EPA 180.1, Rev. 2.0 (1993)
Nitroaromatics and Isophorone	
1,3-Dinitrobenzene	EPA 8270D
	EPA 8270E
2,4-Dinitrotoluene	EPA 625.1
	EPA 8270D
	EPA 8270E
2,6-Dinitrotoluene	EPA 625.1
	EPA 8270D
	EPA 8270E
Isophorone	EPA 625.1
	EPA 8270D
	EPA 8270E
Nitrobenzene	EPA 625.1
	EPA 8270D
	EPA 8270E

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Nitrosoamines	
N-Nitrosodimethylamine	EPA 625.1
	EPA 8270D
	EPA 8270E
N-Nitrosodi-n-propylamine	EPA 625.1
	EPA 8270D
	EPA 8270E
N-Nitrosodiphenylamine	EPA 625.1
	EPA 8270D
	EPA 8270E
Nutrient	
Ammonia (as N)	SM 4500-NH3 H-2011
	EPA 350.1, Rev. 2.0 (1993)
Kjeldahl Nitrogen, Total	EPA 351.1 (Rev. 1978)
	SM 4500-NH3 H-2011
Nitrate (as N)	EPA 353.2, Rev. 2.0 (1993)
	EPA 300.0, Rev. 2.1 (1993)
	SM 4500-NO3 F-2011
	EPA 9056A
Nitrate-Nitrite (as N)	EPA 353.2, Rev. 2.0 (1993)
	SM 4500-NO3 F-2011
Nitrite (as N)	EPA 353.2, Rev. 2.0 (1993)
	SM 4500-NO3 F-2011
	SM 4500-NO2 B-2011
Orthophosphate (as P)	SM 4500-P E-2011
Phosphorus, Total	SM 4500-P E-2011

Organophosphate Pesticides	
Atrazine	EPA 625.1
	EPA 8270D
	EPA 8270E
Parathion ethyl	EPA 8270D
	EPA 8270E
Thionazin	EPA 8270D
	EPA 8270E
Petroleum Hydrocarbons	
Diesel Range Organics	EPA 8015D
Gasoline Range Organics	EPA 8015D
Phthalate Esters	
Benzyl butyl phthalate	EPA 625.1
	EPA 8270D
	EPA 8270E
Bis(2-ethylhexyl) phthalate	EPA 625.1
	EPA 8270D
	EPA 8270E
Diethyl phthalate	EPA 625.1
	EPA 8270D
	EPA 8270E
Dimethyl phthalate	EPA 625.1
	EPA 8270D
	EPA 8270E
Di-n-butyl phthalate	EPA 625.1
	EPA 8270D

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Phthalate Esters	
Di-n-butyl phthalate	EPA 8270E
Di-n-octyl phthalate	EPA 625.1
	EPA 8270D
	EPA 8270E
Polychlorinated Biphenyls	
Aroclor 1016 (PCB-1016)	EPA 8082A
	EPA 608.3
Aroclor 1221 (PCB-1221)	EPA 8082A
	EPA 608.3
Aroclor 1232 (PCB-1232)	EPA 8082A
	EPA 608.3
Aroclor 1242 (PCB-1242)	EPA 8082A
	EPA 608.3
Aroclor 1248 (PCB-1248)	EPA 8082A
	EPA 608.3
Aroclor 1254 (PCB-1254)	EPA 8082A
	EPA 608.3
Aroclor 1260 (PCB-1260)	EPA 8082A
	EPA 608.3
Aroclor 1262 (PCB-1262)	EPA 8082A
Aroclor 1268 (PCB-1268)	EPA 8082A
Polynuclear Aromatics	
3-Methylcholanthrene	EPA 8270E
Acenaphthene	EPA 625.1
	EPA 8270D

Polynuclear Aromatics	
Acenaphthene	EPA 8270E
Acenaphthylene	EPA 625.1
	EPA 8270D
	EPA 8270E
Anthracene	EPA 625.1
	EPA 8270D
	EPA 8270E
Benzo(a)anthracene	EPA 625.1
	EPA 8270D
	EPA 8270E
Benzo(a)pyrene	EPA 625.1
	EPA 8270D
	EPA 8270E
Benzo(b)fluoranthene	EPA 625.1
	EPA 8270D
	EPA 8270E
Benzo(g,h,i)perylene	EPA 625.1
	EPA 8270D
	EPA 8270E
Benzo(k)fluoranthene	EPA 625.1
	EPA 8270D
	EPA 8270E
Chrysene	EPA 625.1
	EPA 8270D
	EPA 8270E
Dibenzo(a,h)anthracene	EPA 625.1

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Polynuclear Aromatics	
Dibenzo(a,h)anthracene	EPA 8270D
	EPA 8270E
Fluoranthene	EPA 625.1
	EPA 8270D
	EPA 8270E
Fluorene	EPA 625.1
	EPA 8270D
	EPA 8270E
Indeno(1,2,3-cd)pyrene	EPA 625.1
	EPA 8270D
	EPA 8270E
Naphthalene	EPA 625.1
	EPA 8270D
	EPA 8270E
Phenanthrene	EPA 625.1
	EPA 8270D
	EPA 8270E
Pyrene	EPA 625.1
	EPA 8270D
	EPA 8270E
Priority Pollutant Phenols	
2,3,4,6 Tetrachlorophenol	EPA 8270D
	EPA 8270E
2,4,5-Trichlorophenol	EPA 625.1
	EPA 8270D

Priority Pollutant Phenols	
2,4,5-Trichlorophenol	EPA 8270E
2,4,6-Trichlorophenol	EPA 625.1
	EPA 8270D
	EPA 8270E
2,4-Dichlorophenol	EPA 625.1
	EPA 8270D
	EPA 8270E
2,4-Dimethylphenol	EPA 625.1
	EPA 8270D
	EPA 8270E
2,4-Dinitrophenol	EPA 625.1
	EPA 8270D
	EPA 8270E
2-Chlorophenol	EPA 625.1
	EPA 8270D
	EPA 8270E
2-Methyl-4,6-dinitrophenol	EPA 625.1
	EPA 8270D
	EPA 8270E
2-Methylphenol	EPA 625.1
	EPA 8270D
	EPA 8270E
2-Nitrophenol	EPA 625.1
	EPA 8270D
	EPA 8270E
3-Methylphenol	EPA 625.1

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Priority Pollutant Phenols	
3-Methylphenol	EPA 8270D
	EPA 8270E
4-Chloro-3-methylphenol	EPA 625.1
	EPA 8270D
	EPA 8270E
4-Methylphenol	EPA 625.1
	EPA 8270D
	EPA 8270E
4-Nitrophenol	EPA 625.1
	EPA 8270D
	EPA 8270E
Cresols, Total	EPA 8270D
	EPA 8270E
Pentachlorophenol	EPA 625.1
	EPA 8270D
	EPA 8270E
Phenol	EPA 625.1
	EPA 8270D
	EPA 8270E
Residue	
Settleable Solids	SM 2540 F-2011
Solids, Total	SM 2540 B-2011
Solids, Total Dissolved	SM 2540 C-2011
Solids, Total Suspended	SM 2540 D-2011
Solids, Volatile	SM 2540 E-2011

Semi-Volatile Organics	
1,1'-Biphenyl	EPA 8270D
	EPA 8270E
1,2-Dichlorobenzene, Semi-volatile	EPA 8270D
	EPA 8270E
1,3-Dichlorobenzene, Semi-volatile	EPA 8270D
	EPA 8270E
1,4-Dichlorobenzene, Semi-volatile	EPA 8270D
	EPA 8270E
2-Methylnaphthalene	EPA 8270D
	EPA 8270E
Acetophenone	EPA 625.1
	EPA 8270D
	EPA 8270E
Benzaldehyde	EPA 8270D
	EPA 8270E
Benzoic Acid	EPA 8270D
	EPA 8270E
Benzyl alcohol	EPA 8270D
	EPA 8270E
Caprolactam	EPA 8270D
	EPA 8270E
Dibenzofuran	EPA 8270D
	EPA 8270E
n-Decane	EPA 625.1
n-Octadecane	EPA 625.1

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Volatile Aromatics	
1,2,4-Trichlorobenzene, Volatile	EPA 8260D
	EPA 8260C
1,2,4-Trimethylbenzene	EPA 8260D
	EPA 8260C
1,2-Dichlorobenzene	EPA 8260D
	EPA 8260C
	EPA 624.1
1,3,5-Trimethylbenzene	EPA 8260D
	EPA 8260C
1,3-Dichlorobenzene	EPA 8260D
	EPA 8260C
	EPA 624.1
1,4-Dichlorobenzene	EPA 8260D
	EPA 8260C
	EPA 624.1
2-Chlorotoluene	EPA 8260D
	EPA 8260C
4-Chlorotoluene	EPA 8260D
	EPA 8260C
Benzene	EPA 8260D
	EPA 8260C
	EPA 624.1
Bromobenzene	EPA 8260D
	EPA 8260C
Chlorobenzene	EPA 8260D
	EPA 8260C

Volatile Aromatics	
Chlorobenzene	EPA 624.1
Ethyl benzene	EPA 8260D
	EPA 8260C
	EPA 624.1
Isopropylbenzene	EPA 8260D
	EPA 8260C
m/p-Xylenes	EPA 8260D
	EPA 8260C
Naphthalene, Volatile	EPA 8260D
	EPA 8260C
n-Butylbenzene	EPA 8260D
	EPA 8260C
n-Propylbenzene	EPA 8260D
	EPA 8260C
o-Xylene	EPA 8260D
	EPA 8260C
p-Isopropyltoluene (P-Cymene)	EPA 8260D
	EPA 8260C
sec-Butylbenzene	EPA 8260D
	EPA 8260C
Styrene	EPA 8260D
	EPA 8260C
	EPA 624.1
tert-Butylbenzene	EPA 8260D
	EPA 8260C
Toluene	EPA 8260D

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Volatile Aromatics	
Toluene	EPA 8260C
	EPA 624.1
Total Xylenes	EPA 8260D
	EPA 8260C
	EPA 624.1
Volatile Halocarbons	
1,1,1,2-Tetrachloroethane	EPA 8260D
	EPA 8260C
1,1,1-Trichloroethane	EPA 8260D
	EPA 8260C
	EPA 624.1
1,1,2,2-Tetrachloroethane	EPA 8260D
	EPA 8260C
	EPA 624.1
1,1,2-Trichloro-1,2,2-Trifluoroethane	EPA 8260D
	EPA 8260C
	EPA 624.1
1,1,2-Trichloroethane	EPA 8260D
	EPA 8260C
	EPA 624.1
1,1-Dichloroethane	EPA 8260D
	EPA 8260C
	EPA 624.1
1,1-Dichloroethene	EPA 8260D
	EPA 8260C

Volatile Halocarbons	
1,1-Dichloroethene	EPA 624.1
1,1-Dichloropropene	EPA 8260D
	EPA 8260C
1,2,3-Trichloropropane	EPA 8260D
	EPA 8260C
1,2-Dibromo-3-chloropropane	EPA 8260D
	EPA 8260C
1,2-Dibromoethane	EPA 8260D
	EPA 8260C
1,2-Dichloroethane	EPA 8260D
	EPA 8260C
	EPA 624.1
1,2-Dichloropropane	EPA 8260D
	EPA 8260C
	EPA 624.1
1,3-Dichloropropane	EPA 8260D
	EPA 8260C
2,2-Dichloropropane	EPA 8260D
	EPA 8260C
2-Chloroethylvinyl ether	EPA 8260D
	EPA 8260C
	EPA 624.1
Bromochloromethane	EPA 8260D
	EPA 8260C
Bromodichloromethane	EPA 8260D
	EPA 8260C

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Volatile Halocarbons	
Bromodichloromethane	EPA 624.1
Bromoform	EPA 8260D
	EPA 8260C
	EPA 624.1
Bromomethane	EPA 8260D
	EPA 8260C
	EPA 624.1
Carbon tetrachloride	EPA 8260D
	EPA 8260C
	EPA 624.1
Chloroethane	EPA 8260D
	EPA 8260C
	EPA 624.1
Chloroform	EPA 8260D
	EPA 8260C
	EPA 624.1
Chloromethane	EPA 8260D
	EPA 8260C
	EPA 624.1
cis-1,2-Dichloroethene	EPA 8260D
	EPA 8260C
	EPA 624.1
cis-1,3-Dichloropropene	EPA 8260D
	EPA 8260C
	EPA 624.1
Dibromochloromethane	EPA 8260D

Volatile Halocarbons	
Dibromochloromethane	EPA 8260C
	EPA 624.1
Dibromomethane	EPA 8260D
	EPA 8260C
Dichlorodifluoromethane	EPA 8260D
	EPA 8260C
	EPA 624.1
Hexachlorobutadiene, Volatile	EPA 8260D
	EPA 8260C
Methyl iodide	EPA 8260D
	EPA 8260C
Methylene chloride	EPA 8260D
	EPA 8260C
	EPA 624.1
Tetrachloroethene	EPA 8260D
	EPA 8260C
	EPA 624.1
trans-1,2-Dichloroethene	EPA 8260D
	EPA 8260C
	EPA 624.1
trans-1,3-Dichloropropene	EPA 8260D
	EPA 8260C
	EPA 624.1
trans-1,4-Dichloro-2-butene	EPA 8260D
	EPA 8260C
Trichloroethene	EPA 8260D

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WADSWORTH CENTER

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CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. JOSEPH L. WATKINS
ALPHA ANALYTICAL
8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No: 11148

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2016) for the category ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:

Volatile Halocarbons	
Trichloroethene	EPA 8260C
	EPA 624.1
Trichlorofluoromethane	EPA 8260D
	EPA 8260C
	EPA 624.1
Vinyl chloride	EPA 8260D
	EPA 8260C
	EPA 624.1
Volatiles Organics	
1,4-Dioxane	EPA 8260D
	EPA 8260C
	EPA 8260C SIM
	EPA 8260D SIM
	EPA 8270E SIM
2-Butanone (Methylethyl ketone)	EPA 8260D
	EPA 8260C
2-Hexanone	EPA 8260D
	EPA 8260C
4-Methyl-2-Pentanone	EPA 8260D
	EPA 8260C
	EPA 624.1
Acetone	EPA 8260D
	EPA 8260C
	EPA 624.1
Acetonitrile	EPA 8260D

Volatiles Organics	
Carbon Disulfide	EPA 8260D
	EPA 8260C
Cyclohexane	EPA 8260D
	EPA 8260C
Di-ethyl ether	EPA 8260D
	EPA 8260C
Ethyl Acetate	EPA 8260D
	EPA 8260C
Isopropanol	EPA 8260D
	EPA 8260C
Methyl acetate	EPA 8260D
	EPA 8260C
Methyl cyclohexane	EPA 8260D
	EPA 8260C
n-Butanol	EPA 8260D
	EPA 8260C
o-Toluidine	EPA 8270D
	EPA 8270E
Tetrahydrofuran	EPA 8260D
	EPA 8260C
Vinyl acetate	EPA 8260D
	EPA 8260C
	EPA 624.1
Sample Preparation Methods	
	SM 4500-P B(5)-2011

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Sample Preparation Methods

EPA 5030C
SM 4500-CN B-2011 and C-2011
EPA 9030B
EPA 3510C
SM 4500-NH3 B-2011
SM 4500-F B-2011
SM 4500-N Org B-2011 or C-2011
EPA 9010C

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All approved analytes are listed below:

Acrylates	
Acrolein (Propenal)	EPA 8260D
	EPA 8260C
Acrylonitrile	EPA 8260D
	EPA 8260C
Ethyl methacrylate	EPA 8260D
	EPA 8260C
Methyl methacrylate	EPA 8260D
	EPA 8260C
Amines	
1,2-Diphenylhydrazine	EPA 8270D
	EPA 8270E
2-Nitroaniline	EPA 8270D
	EPA 8270E
3-Nitroaniline	EPA 8270D
	EPA 8270E
4-Chloroaniline	EPA 8270D
	EPA 8270E
4-Nitroaniline	EPA 8270D
	EPA 8270E
Aniline	EPA 8270D
	EPA 8270E
Carbazole	EPA 8270D
	EPA 8270E
Diphenylamine	EPA 8270D
	EPA 8270E
Benzidines	
3,3'-Dichlorobenzidine	EPA 8270D
	EPA 8270E
Benzidine	EPA 8270D
	EPA 8270E
Characteristic Testing	
Corrosivity (pH)	EPA 9040C
	EPA 9045D
Free Liquids	EPA 9095B
Ignitability	EPA 1030
	EPA 1010A
Synthetic Precipitation Leaching Proc.	EPA 1312
TCLP	EPA 1311
Chlorinated Hydrocarbon Pesticides	
4,4'-DDD	EPA 8081B
4,4'-DDE	EPA 8081B
4,4'-DDT	EPA 8081B
Aldrin	EPA 8081B
alpha-BHC	EPA 8081B
alpha-Chlordane	EPA 8081B
Atrazine	EPA 8270D
	EPA 8270E
beta-BHC	EPA 8081B
Chlordane Total	EPA 8081B
delta-BHC	EPA 8081B
Dieldrin	EPA 8081B

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Chlorinated Hydrocarbon Pesticides	
Endosulfan I	EPA 8081B
Endosulfan II	EPA 8081B
Endosulfan sulfate	EPA 8081B
Endrin	EPA 8081B
Endrin aldehyde	EPA 8081B
Endrin Ketone	EPA 8081B
gamma-Chlordane	EPA 8081B
Heptachlor	EPA 8081B
Heptachlor epoxide	EPA 8081B
Lindane	EPA 8081B
Methoxychlor	EPA 8081B
Pentachloronitrobenzene	EPA 8270D
	EPA 8270E
Toxaphene	EPA 8081B
Chlorinated Hydrocarbons	
1,2,3-Trichlorobenzene	EPA 8260D
	EPA 8260C
1,2,4,5-Tetrachlorobenzene	EPA 8270D
	EPA 8270E
1,2,4-Trichlorobenzene	EPA 8270D
	EPA 8270E
2-Chloronaphthalene	EPA 8270D
	EPA 8270E
Hexachlorobenzene	EPA 8270D
	EPA 8270E

Chlorinated Hydrocarbons	
Hexachlorobutadiene	EPA 8270D
	EPA 8270E
Hexachlorocyclopentadiene	EPA 8270D
	EPA 8270E
Hexachloroethane	EPA 8260D
	EPA 8260C
	EPA 8270D
	EPA 8270E
Chlorophenoxy Acid Pesticides	
2,4,5-T	EPA 8151A
2,4,5-TP (Silvex)	EPA 8151A
2,4-D	EPA 8151A
2,4-DB	EPA 8151A
Dalapon	EPA 8151A
Dicamba	EPA 8151A
Dichloroprop	EPA 8151A
MCPA	EPA 8151A
MCPP	EPA 8151A
Haloethers	
2,2'-Oxybis(1-chloropropane)	EPA 8270D
	EPA 8270E
4-Bromophenylphenyl ether	EPA 8270D
	EPA 8270E
4-Chlorophenylphenyl ether	EPA 8270D
	EPA 8270E

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Haloethers	
Bis(2-chloroethoxy)methane	EPA 8270D
	EPA 8270E
Bis(2-chloroethyl)ether	EPA 8270D
	EPA 8270E
Low Level Polynuclear Aromatic Hydrocarbons	
Acenaphthene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Acenaphthylene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Anthracene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Benzo(a)anthracene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Benzo(a)pyrene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Benzo(b)fluoranthene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Benzo(g,h,i)perylene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Benzo(k)fluoranthene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Chrysene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Dibenzo(a,h)anthracene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Low Level Polynuclear Aromatic Hydrocarbons	
Fluoranthene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Fluorene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Indeno(1,2,3-cd)pyrene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Naphthalene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Phenanthrene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Pyrene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Metals II	
Chromium VI	EPA 7196A
Minerals	
Chloride	EPA 9251
Sulfate (as SO4)	EPA 9038
Miscellaneous	
Cyanide, Total	EPA 9014
	EPA 9012B
Extractable Organic Halides	EPA 9023
Perchlorate	EPA 6860
Phenols	EPA 9065
Specific Conductance	EPA 9050A

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Nitroaromatics and Isophorone	
2,4-Dinitrotoluene	EPA 8270D
	EPA 8270E
2,6-Dinitrotoluene	EPA 8270D
	EPA 8270E
Isophorone	EPA 8270D
	EPA 8270E
Nitrobenzene	EPA 8260D
	EPA 8260C
	EPA 8270D
	EPA 8270E
Pyridine	EPA 8270D
	EPA 8270E
Nitrosoamines	
N-Nitrosodimethylamine	EPA 8270D
	EPA 8270E
N-Nitrosodi-n-propylamine	EPA 8270D
	EPA 8270E
N-Nitrosodiphenylamine	EPA 8270D
	EPA 8270E
Organophosphate Pesticides	
Parathion ethyl	EPA 8270E
Petroleum Hydrocarbons	
Diesel Range Organics	EPA 8015D
Gasoline Range Organics	EPA 8015D
Petroleum Hydrocarbons	
Oil and Grease Total Recoverable (HEM)	EPA 9071B (Solvent:Hexane)
Phthalate Esters	
Benzyl butyl phthalate	EPA 8270D
	EPA 8270E
Bis(2-ethylhexyl) phthalate	EPA 8270D
	EPA 8270E
Diethyl phthalate	EPA 8270D
	EPA 8270E
Dimethyl phthalate	EPA 8270D
	EPA 8270E
Di-n-butyl phthalate	EPA 8270D
	EPA 8270E
Di-n-octyl phthalate	EPA 8270D
	EPA 8270E
Polychlorinated Biphenyls	
Aroclor 1016 (PCB-1016)	EPA 8082A
Aroclor 1016 (PCB-1016) in Oil	EPA 8082A
Aroclor 1221 (PCB-1221)	EPA 8082A
Aroclor 1221 (PCB-1221) in Oil	EPA 8082A
Aroclor 1232 (PCB-1232)	EPA 8082A
Aroclor 1232 (PCB-1232) in Oil	EPA 8082A
Aroclor 1242 (PCB-1242)	EPA 8082A
Aroclor 1242 (PCB-1242) in Oil	EPA 8082A
Aroclor 1248 (PCB-1248)	EPA 8082A
Aroclor 1248 (PCB-1248) in Oil	EPA 8082A

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Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

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All approved analytes are listed below:

Polychlorinated Biphenyls	
Aroclor 1254 (PCB-1254)	EPA 8082A
Aroclor 1254 (PCB-1254) in Oil	EPA 8082A
Aroclor 1260 (PCB-1260)	EPA 8082A
Aroclor 1260 (PCB-1260) in Oil	EPA 8082A
Aroclor 1262 (PCB-1262)	EPA 8082A
Aroclor 1262 (PCB-1262) in Oil	EPA 8082A
Aroclor 1268 (PCB-1268)	EPA 8082A
Aroclor 1268 (PCB-1268) in Oil	EPA 8082A
Polynuclear Aromatic Hydrocarbons	
Acenaphthene	EPA 8270D
	EPA 8270E
Acenaphthylene	EPA 8270D
	EPA 8270E
Anthracene	EPA 8270D
	EPA 8270E
Benzo(a)anthracene	EPA 8270D
	EPA 8270E
Benzo(a)pyrene	EPA 8270D
	EPA 8270E
Benzo(b)fluoranthene	EPA 8270D
	EPA 8270E
Benzo(g,h,i)perylene	EPA 8270D
	EPA 8270E
Benzo(k)fluoranthene	EPA 8270D
	EPA 8270E
Polynuclear Aromatic Hydrocarbons	
Chrysene	EPA 8270D
	EPA 8270E
Dibenzo(a,h)anthracene	EPA 8270D
	EPA 8270E
Fluoranthene	EPA 8270D
	EPA 8270E
Fluorene	EPA 8270D
	EPA 8270E
Indeno(1,2,3-cd)pyrene	EPA 8270D
	EPA 8270E
Naphthalene	EPA 8270D
	EPA 8270E
Phenanthrene	EPA 8270D
	EPA 8270E
Pyrene	EPA 8270D
	EPA 8270E
Priority Pollutant Phenols	
2,3,4,6 Tetrachlorophenol	EPA 8270D
	EPA 8270E
2,4,5-Trichlorophenol	EPA 8270D
	EPA 8270E
2,4,6-Trichlorophenol	EPA 8270D
	EPA 8270E
2,4-Dichlorophenol	EPA 8270D
	EPA 8270E

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Priority Pollutant Phenols

2,4-Dimethylphenol	EPA 8270D
	EPA 8270E
2,4-Dinitrophenol	EPA 8270D
	EPA 8270E
2-Chlorophenol	EPA 8270D
	EPA 8270E
2-Methyl-4,6-dinitrophenol	EPA 8270D
	EPA 8270E
2-Methylphenol	EPA 8270D
	EPA 8270E
2-Nitrophenol	EPA 8270D
	EPA 8270E
3-Methylphenol	EPA 8270D
	EPA 8270E
4-Chloro-3-methylphenol	EPA 8270D
	EPA 8270E
4-Methylphenol	EPA 8270D
	EPA 8270E
4-Nitrophenol	EPA 8270D
	EPA 8270E
Pentachlorophenol	EPA 8270D
	EPA 8270E
Phenol	EPA 8270D
	EPA 8270E

Semi-Volatile Organics

1,1'-Biphenyl	EPA 8270D
	EPA 8270E
1,2-Dichlorobenzene, Semi-volatile	EPA 8270D
	EPA 8270E
1,3-Dichlorobenzene, Semi-volatile	EPA 8270D
	EPA 8270E
1,4-Dichlorobenzene, Semi-volatile	EPA 8270D
	EPA 8270E
2-Methylnaphthalene	EPA 8270D
	EPA 8270E
Acetophenone	EPA 8270D
	EPA 8270E
Benzaldehyde	EPA 8270D
	EPA 8270E
Benzoic Acid	EPA 8270D
	EPA 8270E
Benzyl alcohol	EPA 8270D
	EPA 8270E
Caprolactam	EPA 8270D
	EPA 8270E
Dibenzofuran	EPA 8270D
	EPA 8270E

Volatile Aromatics

1,2,4-Trichlorobenzene, Volatile	EPA 8260D
	EPA 8260C

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Volatile Aromatics	
1,2,4-Trimethylbenzene	EPA 8260D
	EPA 8260C
1,2-Dichlorobenzene	EPA 8260D
	EPA 8260C
1,3,5-Trimethylbenzene	EPA 8260D
	EPA 8260C
1,3-Dichlorobenzene	EPA 8260D
	EPA 8260C
1,4-Dichlorobenzene	EPA 8260D
	EPA 8260C
2-Chlorotoluene	EPA 8260D
	EPA 8260C
4-Chlorotoluene	EPA 8260D
	EPA 8260C
Benzene	EPA 8260D
	EPA 8260C
Bromobenzene	EPA 8260D
	EPA 8260C
Chlorobenzene	EPA 8260D
	EPA 8260C
Ethyl benzene	EPA 8260D
	EPA 8260C
Isopropylbenzene	EPA 8260D
	EPA 8260C
m/p-Xylenes	EPA 8260D
	EPA 8260C

Volatile Aromatics	
Naphthalene, Volatile	EPA 8260D
	EPA 8260C
n-Butylbenzene	EPA 8260D
	EPA 8260C
n-Propylbenzene	EPA 8260D
	EPA 8260C
o-Xylene	EPA 8260D
	EPA 8260C
p-Isopropyltoluene (P-Cymene)	EPA 8260D
	EPA 8260C
sec-Butylbenzene	EPA 8260D
	EPA 8260C
Styrene	EPA 8260D
	EPA 8260C
tert-Butylbenzene	EPA 8260D
	EPA 8260C
Toluene	EPA 8260D
	EPA 8260C
Total Xylenes	EPA 8260D
	EPA 8260C
Volatile Halocarbons	
1,1,1,2-Tetrachloroethane	EPA 8260D
	EPA 8260C
1,1,1-Trichloroethane	EPA 8260D
	EPA 8260C

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Volatile Halocarbons	
1,1,2,2-Tetrachloroethane	EPA 8260D
	EPA 8260C
1,1,2-Trichloro-1,2,2-Trifluoroethane	EPA 8260D
	EPA 8260C
1,1,2-Trichloroethane	EPA 8260D
	EPA 8260C
1,1-Dichloroethane	EPA 8260D
	EPA 8260C
1,1-Dichloroethene	EPA 8260D
	EPA 8260C
1,1-Dichloropropene	EPA 8260D
	EPA 8260C
1,2,3-Trichloropropane	EPA 8260D
	EPA 8260C
1,2-Dibromo-3-chloropropane	EPA 8260D
	EPA 8260C
1,2-Dibromoethane	EPA 8260D
	EPA 8260C
1,2-Dichloroethane	EPA 8260D
	EPA 8260C
1,2-Dichloropropane	EPA 8260D
	EPA 8260C
1,3-Dichloropropane	EPA 8260D
	EPA 8260C
2,2-Dichloropropane	EPA 8260D
	EPA 8260C

Volatile Halocarbons	
2-Chloroethylvinyl ether	EPA 8260D
	EPA 8260C
3-Chloropropene (Allyl chloride)	EPA 8260D
	EPA 8260C
Bromochloromethane	EPA 8260D
	EPA 8260C
Bromodichloromethane	EPA 8260D
	EPA 8260C
Bromoform	EPA 8260D
	EPA 8260C
Bromomethane	EPA 8260D
	EPA 8260C
Carbon tetrachloride	EPA 8260D
	EPA 8260C
Chloroethane	EPA 8260D
	EPA 8260C
Chloroform	EPA 8260D
	EPA 8260C
Chloromethane	EPA 8260D
	EPA 8260C
cis-1,2-Dichloroethene	EPA 8260D
	EPA 8260C
cis-1,3-Dichloropropene	EPA 8260D
	EPA 8260C
Dibromochloromethane	EPA 8260D
	EPA 8260C

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Issued April 01, 2021

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. JOSEPH L. WATKINS
ALPHA ANALYTICAL
8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No: 11148

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2016) for the category ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

Volatile Halocarbons	
Dibromomethane	EPA 8260D
	EPA 8260C
Dichlorodifluoromethane	EPA 8260D
	EPA 8260C
Hexachlorobutadiene, Volatile	EPA 8260D
	EPA 8260C
Methyl iodide	EPA 8260D
	EPA 8260C
Methylene chloride	EPA 8260D
	EPA 8260C
Tetrachloroethene	EPA 8260D
	EPA 8260C
trans-1,2-Dichloroethene	EPA 8260D
	EPA 8260C
trans-1,3-Dichloropropene	EPA 8260D
	EPA 8260C
trans-1,4-Dichloro-2-butene	EPA 8260D
	EPA 8260C
Trichloroethene	EPA 8260D
	EPA 8260C
Trichlorofluoromethane	EPA 8260D
	EPA 8260C
Vinyl chloride	EPA 8260D
	EPA 8260C

Volatile Organics	
1,4-Dioxane	EPA 8260D
	EPA 8260C
	EPA 8270D
	EPA 8270E
2-Butanone (Methylethyl ketone)	EPA 8260D
	EPA 8260C
2-Hexanone	EPA 8260D
	EPA 8260C
2-Nitropropane	EPA 8260D
	EPA 8260C
4-Methyl-2-Pentanone	EPA 8260D
	EPA 8260C
Acetone	EPA 8260D
	EPA 8260C
Carbon Disulfide	EPA 8260D
	EPA 8260C
Cyclohexane	EPA 8260D
	EPA 8260C
Di-ethyl ether	EPA 8260D
	EPA 8260C
Ethyl Acetate	EPA 8260D
	EPA 8260C
Methyl acetate	EPA 8260D
	EPA 8260C
Methyl cyclohexane	EPA 8260D
	EPA 8260C

Serial No.: 62897

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2022
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CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

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All approved analytes are listed below:

Volatile Organics

Methyl tert-butyl ether	EPA 8260D
	EPA 8260C
n-Butanol	EPA 8260D
	EPA 8260C
tert-butyl alcohol	EPA 8260D
	EPA 8260C
Tetrahydrofuran	EPA 8260D
	EPA 8260C
Vinyl acetate	EPA 8260D
	EPA 8260C

Sample Preparation Methods

EPA 5035A-L
EPA 5035A-H
EPA 3580A
EPA 3540C
EPA 3546
EPA 3060A
EPA 9010C

Serial No.: 62897

Exhibit 3

Quality Control Project Plan

QUALITY ASSURANCE PROJECT PLAN
QUALITY ASSURANCE PROCESS

JMG ENGINEERING

1. Introduction

JMG Engineering (JMG) prepared this Quality Assurance Project Plan (QAPP) for the Projects that area either supervised or managed by JMG.

This QAPP identifies the scope of work, roles and responsibilities of personnel, quality management, communication structure, description of potential Quality Assurance (QA) problems, and corrective actions, the quality of data collection and analyses, deficiencies that may affect quality, and the uncertainty limits for the results. The following document was developed by JMG to comply with New York State Department of Environmental Conservation (NYSDEC) QA requirements.

2. Purpose & Scope of Work

The purpose of this QAPP is to meet the NYSDEC Technical Guidance for Site Investigation and Remediation DER-10 as well as project specific needs outlined by the Project Owner.

The Plan also covers the quality control protocols required to be following while collecting information and site characterization.

3. Project Team & Planning

Project Team	Positions	Phone #	Cell Number	Emails
Giorgi Khardzeishvili	Technical Director		732-763-9571	gk@jmgeng.com
Devang R. Patel	Sampling Team	732-253-3470	732-208-0928	dpatel@envocarenj.com
Paul Simms	Alpha Laboratories	508-898-9220	508-898-9220	psimms@alphalab.com

Upon development of the SOW, the project manager will notify the QA team of projects requiring data collection during each phase of the project.

4. Laboratory Quality Assurance Project Plan

All sampling and analyses will be performed in accordance with the requirements of the QAPP prepared for the site. Main Components of the QAPP include:

- Sampling Program

    - Sample containers will be ordered through a NYSDEC certified laboratory, decontaminated, and appropriate preservative will be added (if applicable) prior to their use by the analytical laboratory. Containers with preservative will be labelled as such.
    - All soil samples will be collected using disposable sampling tools where possible.
    - Sample holding times will be maintained in accordance with the NYSDEC Field Sampling Guidance.
    - Field QC samples (e.g., trip blanks, coded field duplicates, and matrix spike/matrix spike duplicates) will be collected as necessary.
        - Trip blank sample will not be collected when sampling is conducted for TAL Metals, PCBs, EPH, SVOCs and Cyanides
        - For heating oil tanks – field duplicate samples will not be collected
    - Field duplicates and matrix spike supplicate will not be collected for heating oil or gasoline UST investigation.
    - Groundwater samples will be collected by qualified individuals.
    - Samples collected using low-flow groundwater sampling procedures will be handled by a laboratory services engaged for the Project.
    - Vapor intrusion investigation samples will be collected in accordance with applicable NYSDEC guidance.

- Sample Tracking and Preservations

    - Laboratory provided chain-of-custody will be used to track sample cooler and samples
    - All samples will be preserved as per the NYSDEC Field Sampling Guidance.

- Field Instrument Calibration Procedures

    - All field analytical equipment will be calibrated immediately prior to each day's use and/or checked calibration using supplied calibration kit. Calibration procedures will conform to manufacturer's standard instruction.
    - The instrumental rental company is required to provide calibrated functioning equipment for each project.

- Analytical Procedures
  JMG will request analytical methods that can meet most current NYSDEC criteria.

  It is JMG's belief that analytical laboratory will be performing all required QC checks a required frequency as dictated by analytical method. The data associated with this QA checks will be included in the repot.

a. Data Validation

In general, data validation is the process of evaluating the completeness, correctness, consistency, and compliance of a data package against a standard or against project-specific criteria. Data validation will identify laboratory and analytical errors that are associated with a data set. In addition, the data validation process may identify potential sampling errors, such as preservation and sample handling methods, which are out of conformance with the sampling plan's data quality objectives. The following items are to be evaluated during a Tier I Data Validation review:

Tier I Review Components:

VOCs (8260B), SVOCs (8270D), and Metals (6010C):

- Chain of Custody;
- Case narrative;
- Field and sample identifications (IDs) cross reference;
- Holding times;
- Preservation and cooler receipt;
- Surrogate recoveries (for organics only);
- Laboratory blank data (method blanks, preparation blanks);
- Spike data (including MS/MSD);
- Laboratory Control Samples (LCS).

TCLP (1311)/ SPLP (1312):

- Chain of Custody;
- Case narrative;
- Field and sample identifications (IDs) cross reference;
- Holding times;
- Preservation and cooler receipt;
- Percent solids;
- TCLP blank;
- Extraction fluid information (pre-test information, extraction fluid type, pH, volume);
- Spike recoveries for metals;
- Tumbler rate, tumbling time, and room temperature.

It must be noted it is possible for laboratory to develop stringer QA criteria in comparison to NYSDEC. Additionally, elevated results for items outside of the Site-Specific Constituents of concern will be investigated further.

Tier II Review Components: This task will be performed by third party.

b. Accuracy

Accuracy can be defined in numerous ways. One definition by Taylor (1987) defines analytical accuracy as "the degree of agreement of a measured value with the true...value." This definition implies that analytical measurements are really estimates of the true concentration of a chemical in a sample. Since the goal is to determine the concentration of a compound or element in a sample, how can a determination be made as to whether the estimate is indeed accurate without knowing the true concentration? In addition, what degree of difference is acceptable between the estimated concentration and the true concentration?

The analytical process devised by U.S. EPA and codified in SW-846, Test Methods for Evaluating Solid Waste (1986) attempts to provide measures of accuracy within the analytical process. This is accomplished in two ways. First, every testing procedure requires calibration. Calibration is the act of determining the analytical instrument's response to standards which contain compounds at known concentrations. The calibration response curve is then used to establish the concentration of compounds in the samples submitted to the laboratory. Most analytical procedures described in SW-846 and other guidance requires that the lab check the validity of the calibration curve at regular intervals or re-calibrate the instrument each working day. These calibration checks are then used to assure whether the instrument is responding in a proper manner when samples are analyzed over a given period of time. The review of initial and continuing calibration data, instrument response through time, internal standard response, and retention time of internal standard compounds are important aspects of data validation. However, the review of calibration data is a subject left for the Tier II Data Validation process. It should be noted that precise data may not be accurate data.

The second approach to determining accuracy is through the use of spikes and system monitoring compounds or surrogate compounds. Surrogate compounds are organic compounds that are not expected to occur in environmental samples, but which behave similarly to target compounds. Surrogate compounds are usually brominated or deuterated (labeled with a "heavy" hydrogen atom in a specific position indicated with a number in the name of the surrogate), making them easy to distinguish from target compounds.

Because surrogate compounds are spiked into each sample extract at known concentrations, a measure of accuracy can be determined based upon a comparison of the measured concentration of the surrogate compound to the actual amount spiked into a sample.

This comparison is usually represented by the Percent Recovery (%R) of a spiked compound. The general formula for the percent recovery is given in the following equation:

Equation 1

$$\%R = (SSR - \text{Sample Result})/Cs * 100$$

Where:

%R = Percent Recovery

SSR = Spiked Sample Result

C_s = Concentration of the Spike Added

This equation implies that as the measured concentration (SSR – Sample Result) from an analysis approaches the spiked concentration from a standard (Cs), the %R approaches 100 percent.

Surrogate compound analysis gives the Tier I Data Validator important information on what effect the sample material may have on the measurement of a compound in a sample. Therefore, the Validator may also be able to determine whether the accuracy of the measurement may be adversely biased.

For the purpose of this section, bias is defined as the constant or systematic distortion of a measurement process, different from random error, which manifests itself (usually in one direction) as a persistent positive or negative deviation from the known or true value (resulting ultimately in uncertainty with regard to an analytical result). This may be due to (but not limited to) improper sample/data collection, sample matrix, poorly calibrated analytical or sampling equipment, or limitations or errors in analytical methods and techniques

Measures of accuracy, such as the % R, are rarely equal to 100%. Usually there is a range of %R values centered around 100 percent. If variability is expected, what %R is acceptable such that the measurements may be considered accurate enough for the goals of the sampling project? The answer to this question is generally predicated on the project's data quality objectives (DQOs). Acceptance criteria for laboratory precision are usually specified in the method or laboratory Standard Operating Procedure (SOP). It is, therefore, important for the Tier I Data Validator to assess the laboratory's quality control acceptance criteria for surrogate recovery ranges prior to analysis in order to determine whether they meet the project-specific DQOs. In general, for volatile organic compound analysis, the acceptance criteria %R is 100 +/- 25 %. Surrogate recoveries outside of this range are qualified based upon the magnitude of the exceedances.

c. Precision

Precision can be defined as the amount of agreement between repeated measurements of a sample or a set of samples. Because of fluctuations in the analytical process, repeated measurements of a sample will commonly differ. If enough measurements are made, the distribution of data points should approximately conform to a standard normal distribution, where data points are distributed about a mean value. In general, the range of scatter in the distribution is a measure of the precision of the analytical process.

Unfortunately, the acquisition of sufficient replicates is beyond the scope and budget of most environmental sampling projects. If this is so, how may a determination be made as to whether the analytical process is precise enough to be acceptable?

Equation: 2

$$RPD = \left| \frac{C_1 - C_2}{\frac{C_1 + C_2}{2}} \right| X\ 100$$

Where:

C_1 = The higher of the spike or spike duplicate results (concentration)

C_2 = The lower of the spike or spike duplicate results (concentration)

It is important to note that the spike and spike duplicate result concentrations be used in equation 2 and not the recoveries for the spike or spike duplicate results. The concentrations are generally reported in ppm, ppb units, while the recoveries are reported as a percentage.

Equation 2 implies that as the results of the spike and spike duplicate begin to deviate from each other, the value of the RPD increases from 0%. Like accuracy, the quality control criteria for precision data must be either required in the work plan, in a contract with a laboratory, or the Tier I Data Validator must know the acceptance level for precision set by the laboratory performing the analyses. Acceptance criteria for laboratory precision are usually specified in the method or laboratory Standard Operating Procedure (SOP). In general, if these acceptance criteria are not developed, laboratory will elect to use RPD of 20%.

5. Quality Assurance Review

JMG team members are also for performing a Quality Assurance review for each assigned project task. The Quality Assurance review is a confirmation review conducted to ensure the field and reports are has complied with their Quality Control plan and to provide a degree of confidence in the hydrologic, hydraulic, and environmental adequacy of the design. The Quality Assurance review will be conducted for all project specific submittals and the level of involvement will vary depending upon project specific issues and complexity. JMG team members shall:

- Ensure all submittal packages are complete.
- Ensure design concept complies with project scope, project commitments, budget, etc.
- Ensure the project scope complies with all governing criteria.
- Ensure project critical requirements / issues have been addressed.
- Review documents for conformance with current NYSDEC and/or Client policies and procedures.
- Review plans and details for maintenance and long-term serviceability issues.
- Ensure design calculations have been reviewed, checked and corrected.
- Ensure previous Quality Assurance comments have been resolved.
- Perform/request independent analysis of specific design elements as appropriate.
- Prepare and report any issues identified related to out of compliance.
- Identify permit compliance requirements.

Exhibit 4

Laboratory Report

JOB: L2203656 REPORT STYLE: Data Usability Report
0010: Alpha Analytical Report Cover Page - OK
0015: Sample Cross Reference Summary - OK
0055: NJ DKQP Conformance/Non-Conformance Summary Questionnaire - OK
0060: Case Narrative - OK
0100: Volatiles Cover Page - OK
0110: Volatiles Sample Results - OK
0120: Volatiles Method Blank Report - OK
0130: Volatiles LCS Report - OK
0180: Semivolatiles Cover Page - OK
0190: Semivolatiles Sample Results - OK
0200: Semivolatiles Method Blank Report - OK
0210: Semivolatiles LCS Report - OK
0400: Petroleum Cover Page - OK
0410: Petroleum Sample Results - OK
0420: Petroleum Method Blank Report - OK
0430: Petroleum LCS Report - OK
0460: Petroleum Duplicate Report - OK
0700: PCBs Cover Page - OK
0710: PCBs Sample Results - OK
0720: PCBs Method Blank Report - OK
0730: PCBs LCS Report - OK
0900: Pesticides Cover Page - OK
0910: Pesticides Sample Results - OK
0920: Pesticides Method Blank Report - OK
0930: Pesticides LCS Report - OK
1005: Metals Sample Results - OK
1010: Metals Method Blank Report - OK
1020: Metals LCS Report - OK
1180: Inorganics Cover Page - OK
1190: Ignitability Results - OK
1200: Wet Chemistry Sample Results - OK
1210: Wet Chemistry Method Blank Report - OK
1220: Wet Chemistry LCS Report - OK
5100: Sample Receipt & Container Information Report - OK
5200: Glossary - OK
5400: References - OK

ANALYTICAL REPORT

Lab Number:	L2203656
Client:	Envocare 1527 Route 27 Suite 105 Somerset, NJ 08873
ATTN:	Devang Patel
Phone:	(732) 253-5740
Project Name:	JMG BROOKLYN
Project Number:	150550
Report Date:	01/31/22

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Project Name: JMG BROOKLYN
Project Number: 150550

Lab Number: L2203656
Report Date: 01/31/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2203656-01	WC-1	SOIL	BROOKLYN, NY	01/21/22 09:00	01/21/22
L2203656-02	WC-2	SOIL	BROOKLYN, NY	01/21/22 12:00	01/21/22
L2203656-03	WC-3	SOIL	BROOKLYN, NY	01/21/22 12:15	01/21/22
L2203656-04	WC-4	SOIL	BROOKLYN, NY	01/21/22 12:45	01/21/22

Project Name: JMG BROOKLYN
Project Number: 150550

Lab Number: L2203656
Report Date: 01/31/22

NJ DEP Data of Known Quality Protocols
Conformance/Non-Conformance
Summary Questionnaire

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the NJDEP Data of Known Quality performance standards?	YES
1a	Were the method specified handling, preservation, and holding time requirements met?	YES
1b	EPH Method: Was the EPH Method conducted without significant modifications (see Section 11.3 of respective DKQ methods)?	N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	YES
3	Were all samples received at an appropriate temperature (4 ± 2° C)?	YES
4	Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved?	NO
5a	Were reporting limits specified or referenced on the chain-of-custody or communicated to the laboratory prior to sample receipt?	NO
5b	Were these reporting limits met?	N/A
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the DKQP documents and/or site-specific QAPP?	YES
7	Are project-specific matrix spikes and/or laboratory duplicates included in this data set?	NO

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1a or #1b is "No", the data package does not meet the requirements for "Data of Known Quality".

Project Name:	JMG BROOKLYN	**Lab Number:**	L2203656
Project Number:	150550	**Report Date:**	01/31/22

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: JMG BROOKLYN **Lab Number:** L2203656
Project Number: 150550 **Report Date:** 01/31/22

Case Narrative (continued)

Report Submission

January 31, 2022: This is a preliminary report.

January 28, 2022: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

DKQP Related Narratives

Report Submission

In reference to question 5a:

Reporting limits were not specified.

Semivolatile Organics

L2203656-04D: The sample has elevated detection limits due to the dilution required by the sample matrix.

In reference to question 4:

WG1599051-2/-3: One or more compounds failed to meet the DKQP recovery and/or RPD limits. Difficult analytes may recover at less than 10% recovery, where applicable. Please refer to the QC section of the report for specific details.

Total Metals

L2203656-01 through -04: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

Non-DKQP Related Narratives

Herbicides

L2203656-04D: The sample has elevated detection limits due to the dilution required by the sample matrix.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 01/31/22

ORGANICS

VOLATILES

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2203656
Report Date: 01/31/22

SAMPLE RESULTS

Lab ID: L2203656-01
Client ID: WC-1
Sample Location: BROOKLYN, NY

Date Collected: 01/21/22 09:00
Date Received: 01/21/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/25/22 20:39
Analyst: JC
Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.9	3.2	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.20	1
Chloroform	ND		ug/kg	2.1	0.19	1
Carbon tetrachloride	ND		ug/kg	1.4	0.32	1
1,2-Dichloropropane	ND		ug/kg	1.4	0.17	1
Dibromochloromethane	ND		ug/kg	1.4	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.37	1
Tetrachloroethene	ND		ug/kg	0.69	0.27	1
Chlorobenzene	ND		ug/kg	0.69	0.18	1
Trichlorofluoromethane	ND		ug/kg	5.5	0.96	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.36	1
1,1,1-Trichloroethane	ND		ug/kg	0.69	0.23	1
Bromodichloromethane	ND		ug/kg	0.69	0.15	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.38	1
cis-1,3-Dichloropropene	ND		ug/kg	0.69	0.22	1
1,3-Dichloropropene, Total	ND		ug/kg	0.69	0.22	1
1,1-Dichloropropene	ND		ug/kg	0.69	0.22	1
Bromoform	ND		ug/kg	5.5	0.34	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.69	0.23	1
Benzene	ND		ug/kg	0.69	0.23	1
Toluene	ND		ug/kg	1.4	0.75	1
Ethylbenzene	ND		ug/kg	1.4	0.20	1
Chloromethane	ND		ug/kg	5.5	1.3	1
Bromomethane	ND		ug/kg	2.8	0.80	1
Vinyl chloride	ND		ug/kg	1.4	0.46	1
Chloroethane	ND		ug/kg	2.8	0.62	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.33	1
trans-1,2-Dichloroethene	ND		ug/kg	2.1	0.19	1

Project Name: JMG BROOKLYN **Lab Number:** L2203656

Project Number: 150550 **Report Date:** 01/31/22

SAMPLE RESULTS

Lab ID: L2203656-01 Date Collected: 01/21/22 09:00

Client ID: WC-1 Date Received: 01/21/22

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.69	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	2.8	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	2.8	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	2.8	0.24	1
Methyl tert butyl ether	ND		ug/kg	2.8	0.28	1
p/m-Xylene	ND		ug/kg	2.8	0.78	1
o-Xylene	ND		ug/kg	1.4	0.40	1
Xylenes, Total	ND		ug/kg	1.4	0.40	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.24	1
1,2-Dichloroethene, Total	ND		ug/kg	1.4	0.19	1
Dibromomethane	ND		ug/kg	2.8	0.33	1
Styrene	ND		ug/kg	1.4	0.27	1
Dichlorodifluoromethane	ND		ug/kg	14	1.3	1
Acetone	ND		ug/kg	14	6.7	1
Carbon disulfide	ND		ug/kg	14	6.3	1
2-Butanone	ND		ug/kg	14	3.1	1
Vinyl acetate	ND		ug/kg	14	3.0	1
4-Methyl-2-pentanone	ND		ug/kg	14	1.8	1
1,2,3-Trichloropropane	ND		ug/kg	2.8	0.18	1
2-Hexanone	ND		ug/kg	14	1.6	1
Bromochloromethane	ND		ug/kg	2.8	0.28	1
2,2-Dichloropropane	ND		ug/kg	2.8	0.28	1
1,2-Dibromoethane	ND		ug/kg	1.4	0.39	1
1,3-Dichloropropane	ND		ug/kg	2.8	0.23	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.69	0.18	1
Bromobenzene	ND		ug/kg	2.8	0.20	1
n-Butylbenzene	ND		ug/kg	1.4	0.23	1
sec-Butylbenzene	ND		ug/kg	1.4	0.20	1
tert-Butylbenzene	ND		ug/kg	2.8	0.16	1
o-Chlorotoluene	ND		ug/kg	2.8	0.26	1
p-Chlorotoluene	ND		ug/kg	2.8	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.2	1.4	1
Hexachlorobutadiene	ND		ug/kg	5.5	0.23	1
Isopropylbenzene	ND		ug/kg	1.4	0.15	1
p-Isopropyltoluene	1.6		ug/kg	1.4	0.15	1
Naphthalene	ND		ug/kg	5.5	0.90	1
Acrylonitrile	ND		ug/kg	5.5	1.6	1

Project Name: JMG BROOKLYN **Lab Number:** L2203656

Project Number: 150550 **Report Date:** 01/31/22

SAMPLE RESULTS

Lab ID: L2203656-01 Date Collected: 01/21/22 09:00

Client ID: WC-1 Date Received: 01/21/22

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.4	0.24	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.8	0.44	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.8	0.38	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.8	0.27	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.8	0.46	1
1,4-Dioxane	ND		ug/kg	110	48.	1
p-Diethylbenzene	ND		ug/kg	2.8	0.24	1
p-Ethyltoluene	ND		ug/kg	2.8	0.53	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.8	0.26	1
Ethyl ether	ND		ug/kg	2.8	0.47	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.9	2.0	1
Tentatively Identified Compounds						
Total TIC Compounds	76.7	J	ug/kg			1
Unknown	10.6	J	ug/kg			1
Unknown	61.7	J	ug/kg			1
Unknown	4.36	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	122		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	120		70-130
Dibromofluoromethane	105		70-130

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2203656
Report Date: 01/31/22

SAMPLE RESULTS

Lab ID: L2203656-02
Client ID: WC-2
Sample Location: BROOKLYN, NY

Date Collected: 01/21/22 12:00
Date Received: 01/21/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/24/22 16:25
Analyst: MKS
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.5	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	ND		ug/kg	0.55	0.22	1
Chlorobenzene	ND		ug/kg	0.55	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.76	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.55	0.18	1
Bromodichloromethane	ND		ug/kg	0.55	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.55	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.55	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.55	0.18	1
Bromoform	ND		ug/kg	4.4	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.55	0.18	1
Benzene	ND		ug/kg	0.55	0.18	1
Toluene	ND		ug/kg	1.1	0.60	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.4	1.0	1
Bromomethane	ND		ug/kg	2.2	0.64	1
Vinyl chloride	ND		ug/kg	1.1	0.37	1
Chloroethane	ND		ug/kg	2.2	0.50	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

Project Name: JMG BROOKLYN **Lab Number:** L2203656

Project Number: 150550 **Report Date:** 01/31/22

SAMPLE RESULTS

Lab ID: L2203656-02 Date Collected: 01/21/22 12:00

Client ID: WC-2 Date Received: 01/21/22

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.55	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.62	1
o-Xylene	ND		ug/kg	1.1	0.32	1
Xylenes, Total	ND		ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.2	0.26	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	ND		ug/kg	11	5.3	1
Carbon disulfide	ND		ug/kg	11	5.0	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.31	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.55	0.14	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.21	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.4	0.19	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	0.22	J	ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.4	0.72	1
Acrylonitrile	ND		ug/kg	4.4	1.3	1

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2203656
Report Date: 01/31/22

SAMPLE RESULTS

Lab ID: L2203656-02
Client ID: WC-2
Sample Location: BROOKLYN, NY
Date Collected: 01/21/22 12:00
Date Received: 01/21/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.37	1
1,4-Dioxane	ND		ug/kg	88	39.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.20	1
p-Ethyltoluene	ND		ug/kg	2.2	0.42	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1
Ethyl ether	ND		ug/kg	2.2	0.38	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.5	1.6	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	111		70-130

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2203656
Report Date: 01/31/22

SAMPLE RESULTS

Lab ID: L2203656-03
Client ID: WC-3
Sample Location: BROOKLYN, NY

Date Collected: 01/21/22 12:15
Date Received: 01/21/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/25/22 21:04
Analyst: JC
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.9	2.7	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.8	0.16	1
Carbon tetrachloride	ND		ug/kg	1.2	0.27	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.32	1
Tetrachloroethene	ND		ug/kg	0.59	0.23	1
Chlorobenzene	ND		ug/kg	0.59	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.7	0.82	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	0.59	0.20	1
Bromodichloromethane	ND		ug/kg	0.59	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.59	0.19	1
1,3-Dichloropropene, Total	ND		ug/kg	0.59	0.19	1
1,1-Dichloropropene	ND		ug/kg	0.59	0.19	1
Bromoform	ND		ug/kg	4.7	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.59	0.20	1
Benzene	ND		ug/kg	0.59	0.20	1
Toluene	ND		ug/kg	1.2	0.64	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.7	1.1	1
Bromomethane	ND		ug/kg	2.4	0.69	1
Vinyl chloride	ND		ug/kg	1.2	0.40	1
Chloroethane	ND		ug/kg	2.4	0.53	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.16	1

Project Name: JMG BROOKLYN **Lab Number:** L2203656

Project Number: 150550 **Report Date:** 01/31/22

SAMPLE RESULTS

Lab ID: L2203656-03 Date Collected: 01/21/22 12:15

Client ID: WC-3 Date Received: 01/21/22

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.59	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	ND		ug/kg	2.4	0.66	1
o-Xylene	ND		ug/kg	1.2	0.34	1
Xylenes, Total	ND		ug/kg	1.2	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.21	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Dibromomethane	ND		ug/kg	2.4	0.28	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	5.7	1
Carbon disulfide	ND		ug/kg	12	5.4	1
2-Butanone	ND		ug/kg	12	2.6	1
Vinyl acetate	ND		ug/kg	12	2.5	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.4	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.4	0.24	1
2,2-Dichloropropane	ND		ug/kg	2.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.33	1
1,3-Dichloropropane	ND		ug/kg	2.4	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.59	0.16	1
Bromobenzene	ND		ug/kg	2.4	0.17	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.17	1
tert-Butylbenzene	ND		ug/kg	2.4	0.14	1
o-Chlorotoluene	ND		ug/kg	2.4	0.22	1
p-Chlorotoluene	ND		ug/kg	2.4	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.5	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.7	0.20	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.7	0.77	1
Acrylonitrile	ND		ug/kg	4.7	1.4	1

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2203656
Report Date: 01/31/22

SAMPLE RESULTS

Lab ID: L2203656-03
Client ID: WC-3
Sample Location: BROOKLYN, NY
Date Collected: 01/21/22 12:15
Date Received: 01/21/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.2	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.4	0.38	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.32	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.4	0.39	1
1,4-Dioxane	ND		ug/kg	94	41.	1
p-Diethylbenzene	ND		ug/kg	2.4	0.21	1
p-Ethyltoluene	ND		ug/kg	2.4	0.45	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.4	0.22	1
Ethyl ether	ND		ug/kg	2.4	0.40	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.9	1.7	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	126		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	117		70-130
Dibromofluoromethane	104		70-130

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2203656
Report Date: 01/31/22

SAMPLE RESULTS

Lab ID: L2203656-04
Client ID: WC-4
Sample Location: BROOKLYN, NY

Date Collected: 01/21/22 12:45
Date Received: 01/21/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/24/22 16:48
Analyst: MKS
Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.8	3.1	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.20	1
Chloroform	ND		ug/kg	2.0	0.19	1
Carbon tetrachloride	ND		ug/kg	1.4	0.32	1
1,2-Dichloropropane	ND		ug/kg	1.4	0.17	1
Dibromochloromethane	ND		ug/kg	1.4	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.37	1
Tetrachloroethene	ND		ug/kg	0.68	0.27	1
Chlorobenzene	ND		ug/kg	0.68	0.17	1
Trichlorofluoromethane	ND		ug/kg	5.5	0.95	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.35	1
1,1,1-Trichloroethane	ND		ug/kg	0.68	0.23	1
Bromodichloromethane	ND		ug/kg	0.68	0.15	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.37	1
cis-1,3-Dichloropropene	ND		ug/kg	0.68	0.22	1
1,3-Dichloropropene, Total	ND		ug/kg	0.68	0.22	1
1,1-Dichloropropene	ND		ug/kg	0.68	0.22	1
Bromoform	ND		ug/kg	5.5	0.34	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.68	0.23	1
Benzene	ND		ug/kg	0.68	0.23	1
Toluene	ND		ug/kg	1.4	0.74	1
Ethylbenzene	ND		ug/kg	1.4	0.19	1
Chloromethane	ND		ug/kg	5.5	1.3	1
Bromomethane	ND		ug/kg	2.7	0.80	1
Vinyl chloride	ND		ug/kg	1.4	0.46	1
Chloroethane	ND		ug/kg	2.7	0.62	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.33	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.19	1

Project Name: JMG BROOKLYN **Lab Number:** L2203656

Project Number: 150550 **Report Date:** 01/31/22

SAMPLE RESULTS

Lab ID: L2203656-04 Date Collected: 01/21/22 12:45

Client ID: WC-4 Date Received: 01/21/22

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.68	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	2.7	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	2.7	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	2.7	0.23	1
Methyl tert butyl ether	ND		ug/kg	2.7	0.28	1
p/m-Xylene	ND		ug/kg	2.7	0.77	1
o-Xylene	ND		ug/kg	1.4	0.40	1
Xylenes, Total	ND		ug/kg	1.4	0.40	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.24	1
1,2-Dichloroethene, Total	ND		ug/kg	1.4	0.19	1
Dibromomethane	ND		ug/kg	2.7	0.33	1
Styrene	ND		ug/kg	1.4	0.27	1
Dichlorodifluoromethane	ND		ug/kg	14	1.2	1
Acetone	ND		ug/kg	14	6.6	1
Carbon disulfide	ND		ug/kg	14	6.2	1
2-Butanone	ND		ug/kg	14	3.0	1
Vinyl acetate	ND		ug/kg	14	2.9	1
4-Methyl-2-pentanone	ND		ug/kg	14	1.8	1
1,2,3-Trichloropropane	ND		ug/kg	2.7	0.17	1
2-Hexanone	ND		ug/kg	14	1.6	1
Bromochloromethane	ND		ug/kg	2.7	0.28	1
2,2-Dichloropropane	ND		ug/kg	2.7	0.28	1
1,2-Dibromoethane	ND		ug/kg	1.4	0.38	1
1,3-Dichloropropane	ND		ug/kg	2.7	0.23	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.68	0.18	1
Bromobenzene	ND		ug/kg	2.7	0.20	1
n-Butylbenzene	ND		ug/kg	1.4	0.23	1
sec-Butylbenzene	ND		ug/kg	1.4	0.20	1
tert-Butylbenzene	ND		ug/kg	2.7	0.16	1
o-Chlorotoluene	ND		ug/kg	2.7	0.26	1
p-Chlorotoluene	ND		ug/kg	2.7	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.1	1.4	1
Hexachlorobutadiene	ND		ug/kg	5.5	0.23	1
Isopropylbenzene	ND		ug/kg	1.4	0.15	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.15	1
Naphthalene	ND		ug/kg	5.5	0.89	1
Acrylonitrile	ND		ug/kg	5.5	1.6	1

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2203656
Report Date: 01/31/22

SAMPLE RESULTS

Lab ID: L2203656-04
Client ID: WC-4
Sample Location: BROOKLYN, NY
Date Collected: 01/21/22 12:45
Date Received: 01/21/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.4	0.23	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.7	0.44	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.7	0.37	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.7	0.26	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.7	0.46	1
1,4-Dioxane	ND		ug/kg	110	48.	1
p-Diethylbenzene	ND		ug/kg	2.7	0.24	1
p-Ethyltoluene	ND		ug/kg	2.7	0.53	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.7	0.26	1
Ethyl ether	ND		ug/kg	2.7	0.47	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.8	1.9	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	112		70-130

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2203656
Report Date: 01/31/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/24/22 09:58
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02,04 Batch: WG1597992-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2203656
Report Date: 01/31/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/24/22 09:58
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02,04 Batch: WG1597992-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	2.5	J	ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2203656
Report Date: 01/31/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/24/22 09:58
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02,04 Batch: WG1597992-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Tentatively Identified Compounds			
Total TIC Compounds	2.16	J	ug/kg
Cyclotrisiloxane, Hexamethyl-	2.16	NJ	ug/kg

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2203656
Report Date: 01/31/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/24/22 09:58
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02,04 Batch: WG1597992-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	108		70-130

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2203656
Report Date: 01/31/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/25/22 20:14
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03 Batch: WG1598277-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	0.79	J	ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2203656
Report Date: 01/31/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/25/22 20:14
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03 Batch: WG1598277-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2203656
Report Date: 01/31/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/25/22 20:14
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03 Batch: WG1598277-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Tentatively Identified Compounds

Total TIC Compounds	5.10	J	ug/kg
Ethane, 1,1-Difluoro-	2.01	NJ	ug/kg
Unknown	3.09	J	ug/kg

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2203656
Report Date: 01/31/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/25/22 20:14
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03 Batch: WG1598277-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	124		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	102		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: JMG BROOKLYN
Project Number: 150550

Lab Number: L2203656
Report Date: 01/31/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,04 Batch: WG1597992-3 WG1597992-4								
Methylene chloride	112		122		70-130	9		30
1,1-Dichloroethane	106		114		70-130	7		30
Chloroform	104		110		70-130	6		30
Carbon tetrachloride	89		106		70-130	17		30
1,2-Dichloropropane	101		109		70-130	8		30
Dibromochloromethane	86		92		70-130	7		30
1,1,2-Trichloroethane	100		106		70-130	6		30
Tetrachloroethene	77		84		70-130	9		30
Chlorobenzene	94		102		70-130	8		30
Trichlorofluoromethane	**146**	Q	**157**	Q	70-139	7		30
1,2-Dichloroethane	102		109		70-130	7		30
1,1,1-Trichloroethane	94		101		70-130	7		30
Bromodichloromethane	100		107		70-130	7		30
trans-1,3-Dichloropropene	85		91		70-130	7		30
cis-1,3-Dichloropropene	101		108		70-130	7		30
1,1-Dichloropropene	85		92		70-130	8		30
Bromoform	79		87		70-130	10		30
1,1,2,2-Tetrachloroethane	99		109		70-130	10		30
Benzene	96		104		70-130	8		30
Toluene	94		101		70-130	7		30
Ethylbenzene	98		106		70-130	8		30
Chloromethane	108		120		52-130	11		30
Bromomethane	135		**156**	Q	57-147	14		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: JMG BROOKLYN
Project Number: 150550

Lab Number: L2203656
Report Date: 01/31/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,04 Batch: WG1597992-3 WG1597992-4								
Vinyl chloride	122		**136**	Q	67-130	11		30
Chloroethane	129		**154**	Q	50-151	18		30
1,1-Dichloroethene	**154**	Q	112		65-135	**32**	Q	30
trans-1,2-Dichloroethene	101		110		70-130	9		30
Trichloroethene	91		97		70-130	6		30
1,2-Dichlorobenzene	92		102		70-130	10		30
1,3-Dichlorobenzene	91		100		70-130	9		30
1,4-Dichlorobenzene	92		101		70-130	9		30
Methyl tert butyl ether	100		104		66-130	4		30
p/m-Xylene	101		110		70-130	9		30
o-Xylene	104		113		70-130	8		30
cis-1,2-Dichloroethene	104		111		70-130	7		30
Dibromomethane	105		112		70-130	6		30
Styrene	106		116		70-130	9		30
Dichlorodifluoromethane	86		96		30-146	11		30
Acetone	70		72		54-140	3		30
Carbon disulfide	129		110		59-130	16		30
2-Butanone	79		82		70-130	4		30
Vinyl acetate	100		106		70-130	6		30
4-Methyl-2-pentanone	101		106		70-130	5		30
1,2,3-Trichloropropane	92		102		68-130	10		30
2-Hexanone	87		91		70-130	4		30
Bromochloromethane	102		111		70-130	8		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: JMG BROOKLYN
Project Number: 150550

Lab Number: L2203656
Report Date: 01/31/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,04 Batch: WG1597992-3 WG1597992-4								
2,2-Dichloropropane	97		104		70-130	7		30
1,2-Dibromoethane	100		107		70-130	7		30
1,3-Dichloropropane	98		105		69-130	7		30
1,1,1,2-Tetrachloroethane	80		86		70-130	7		30
Bromobenzene	86		95		70-130	10		30
n-Butylbenzene	96		104		70-130	8		30
sec-Butylbenzene	95		105		70-130	10		30
tert-Butylbenzene	93		103		70-130	10		30
o-Chlorotoluene	94		105		70-130	11		30
p-Chlorotoluene	95		105		70-130	10		30
1,2-Dibromo-3-chloropropane	74		82		68-130	10		30
Hexachlorobutadiene	68		76		67-130	11		30
Isopropylbenzene	93		103		70-130	10		30
p-Isopropyltoluene	92		102		70-130	10		30
Naphthalene	88		95		70-130	8		30
Acrylonitrile	106		110		70-130	4		30
n-Propylbenzene	98		108		70-130	10		30
1,2,3-Trichlorobenzene	79		87		70-130	10		30
1,2,4-Trichlorobenzene	81		88		70-130	8		30
1,3,5-Trimethylbenzene	94		104		70-130	10		30
1,2,4-Trimethylbenzene	93		103		70-130	10		30
1,4-Dioxane	81		85		65-136	5		30
p-Diethylbenzene	91		99		70-130	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: JMG BROOKLYN

Project Number: 150550

Lab Number: L2203656

Report Date: 01/31/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,04 Batch: WG1597992-3 WG1597992-4								
p-Ethyltoluene	96		106		70-130	10		30
1,2,4,5-Tetramethylbenzene	85		95		70-130	11		30
Ethyl ether	**178**	Q	**190**	Q	67-130	7		30
trans-1,4-Dichloro-2-butene	91		99		70-130	8		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	105		106		70-130
Toluene-d8	100		101		70-130
4-Bromofluorobenzene	98		99		70-130
Dibromofluoromethane	107		109		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: JMG BROOKLYN
Project Number: 150550

Lab Number: L2203656
Report Date: 01/31/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03 Batch: WG1598277-3 WG1598277-4								
Methylene chloride	87		86		70-130	1		30
1,1-Dichloroethane	114		113		70-130	1		30
Chloroform	85		85		70-130	0		30
Carbon tetrachloride	92		89		70-130	3		30
1,2-Dichloropropane	114		112		70-130	2		30
Dibromochloromethane	92		92		70-130	0		30
1,1,2-Trichloroethane	95		95		70-130	0		30
Tetrachloroethene	89		88		70-130	1		30
Chlorobenzene	93		93		70-130	0		30
Trichlorofluoromethane	100		98		70-139	2		30
1,2-Dichloroethane	109		108		70-130	1		30
1,1,1-Trichloroethane	92		93		70-130	1		30
Bromodichloromethane	86		84		70-130	2		30
trans-1,3-Dichloropropene	101		101		70-130	0		30
cis-1,3-Dichloropropene	93		92		70-130	1		30
1,1-Dichloropropene	96		95		70-130	1		30
Bromoform	87		86		70-130	1		30
1,1,2,2-Tetrachloroethane	105		104		70-130	1		30
Benzene	89		88		70-130	1		30
Toluene	98		99		70-130	1		30
Ethylbenzene	102		102		70-130	0		30
Chloromethane	130		127		52-130	2		30
Bromomethane	92		90		57-147	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: JMG BROOKLYN
Project Number: 150550

Lab Number: L2203656
Report Date: 01/31/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03 Batch: WG1598277-3 WG1598277-4								
Vinyl chloride	108		106		67-130	2		30
Chloroethane	92		91		50-151	1		30
1,1-Dichloroethene	95		93		65-135	2		30
trans-1,2-Dichloroethene	92		90		70-130	2		30
Trichloroethene	91		91		70-130	0		30
1,2-Dichlorobenzene	96		95		70-130	1		30
1,3-Dichlorobenzene	98		98		70-130	0		30
1,4-Dichlorobenzene	96		97		70-130	1		30
Methyl tert butyl ether	90		89		66-130	1		30
p/m-Xylene	97		97		70-130	0		30
o-Xylene	95		95		70-130	0		30
cis-1,2-Dichloroethene	89		87		70-130	2		30
Dibromomethane	86		86		70-130	0		30
Styrene	94		95		70-130	1		30
Dichlorodifluoromethane	86		85		30-146	1		30
Acetone	**170**	Q	**165**	Q	54-140	3		30
Carbon disulfide	87		86		59-130	1		30
2-Butanone	123		122		70-130	1		30
Vinyl acetate	129		127		70-130	2		30
4-Methyl-2-pentanone	**140**	Q	**138**	Q	70-130	1		30
1,2,3-Trichloropropane	105		105		68-130	0		30
2-Hexanone	**140**	Q	**140**	Q	70-130	0		30
Bromochloromethane	80		79		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: JMG BROOKLYN
Project Number: 150550

Lab Number: L2203656
Report Date: 01/31/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03 Batch: WG1598277-3 WG1598277-4								
2,2-Dichloropropane	91		90		70-130	1		30
1,2-Dibromoethane	97		97		70-130	0		30
1,3-Dichloropropane	99		98		69-130	1		30
1,1,1,2-Tetrachloroethane	90		91		70-130	1		30
Bromobenzene	94		94		70-130	0		30
n-Butylbenzene	123		122		70-130	1		30
sec-Butylbenzene	111		111		70-130	0		30
tert-Butylbenzene	106		106		70-130	0		30
o-Chlorotoluene	114		114		70-130	0		30
p-Chlorotoluene	112		112		70-130	0		30
1,2-Dibromo-3-chloropropane	88		88		68-130	0		30
Hexachlorobutadiene	90		89		67-130	1		30
Isopropylbenzene	108		108		70-130	0		30
p-Isopropyltoluene	108		108		70-130	0		30
Naphthalene	96		96		70-130	0		30
Acrylonitrile	**131**	Q	127		70-130	3		30
n-Propylbenzene	117		118		70-130	1		30
1,2,3-Trichlorobenzene	86		85		70-130	1		30
1,2,4-Trichlorobenzene	90		89		70-130	1		30
1,3,5-Trimethylbenzene	104		104		70-130	0		30
1,2,4-Trimethylbenzene	103		103		70-130	0		30
1,4-Dioxane	110		111		65-136	1		30
p-Diethylbenzene	109		107		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: JMG BROOKLYN

Project Number: 150550

Lab Number: L2203656

Report Date: 01/31/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03 Batch: WG1598277-3 WG1598277-4								
p-Ethyltoluene	110		110		70-130	0		30
1,2,4,5-Tetramethylbenzene	107		107		70-130	0		30
Ethyl ether	90		88		67-130	2		30
trans-1,4-Dichloro-2-butene	**156**	Q	**154**	Q	70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	114		111		70-130
Toluene-d8	108		109		70-130
4-Bromofluorobenzene	120		119		70-130
Dibromofluoromethane	95		92		70-130

SEMIVOLATILES

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2203656
Report Date: 01/31/22

SAMPLE RESULTS

Lab ID: L2203656-01
Client ID: WC-1
Sample Location: BROOKLYN, NY

Date Collected: 01/21/22 09:00
Date Received: 01/21/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 01/28/22 09:33
Analyst: IM
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 01/28/22 00:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	20.	1
Hexachlorobenzene	ND		ug/kg	100	19.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	31.	1
1,3-Dichlorobenzene	ND		ug/kg	170	30.	1
1,4-Dichlorobenzene	ND		ug/kg	170	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	46.	1
2,4-Dinitrotoluene	ND		ug/kg	170	35.	1
2,6-Dinitrotoluene	ND		ug/kg	170	30.	1
Fluoranthene	ND		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	26.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	17.	1
Hexachlorobutadiene	ND		ug/kg	170	25.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	160	22.	1
Naphthalene	ND		ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	60.	1
Butyl benzyl phthalate	ND		ug/kg	170	44.	1
Di-n-butylphthalate	ND		ug/kg	170	33.	1
Di-n-octylphthalate	ND		ug/kg	170	59.	1

Project Name: JMG BROOKLYN **Lab Number:** L2203656

Project Number: 150550 **Report Date:** 01/31/22

SAMPLE RESULTS

Lab ID: L2203656-01 Date Collected: 01/21/22 09:00

Client ID: WC-1 Date Received: 01/21/22

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	36.	1
Benzo(a)anthracene	ND		ug/kg	100	20.	1
Benzo(a)pyrene	ND		ug/kg	140	42.	1
Benzo(b)fluoranthene	ND		ug/kg	100	29.	1
Benzo(k)fluoranthene	ND		ug/kg	100	28.	1
Chrysene	ND		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	ND		ug/kg	100	34.	1
Benzo(ghi)perylene	ND		ug/kg	140	20.	1
Fluorene	ND		ug/kg	170	17.	1
Phenanthrene	ND		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	24.	1
Pyrene	ND		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	400	22.	1
4-Chloroaniline	ND		ug/kg	170	32.	1
2-Nitroaniline	ND		ug/kg	170	33.	1
3-Nitroaniline	ND		ug/kg	170	33.	1
4-Nitroaniline	ND		ug/kg	170	72.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	21.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	170	26.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	170	57.	1
2-Nitrophenol	ND		ug/kg	380	65.	1
4-Nitrophenol	ND		ug/kg	240	71.	1
2,4-Dinitrophenol	ND		ug/kg	830	81.	1
4,6-Dinitro-o-cresol	ND		ug/kg	450	83.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	27.	1

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2203656
Report Date: 01/31/22

SAMPLE RESULTS

Lab ID: L2203656-01
Client ID: WC-1
Sample Location: BROOKLYN, NY
Date Collected: 01/21/22 09:00
Date Received: 01/21/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	170	33.	1
Benzoic Acid	ND		ug/kg	560	180	1
Benzyl Alcohol	ND		ug/kg	170	53.	1
Carbazole	ND		ug/kg	170	17.	1
1,4-Dioxane	ND		ug/kg	26	8.0	1
Tentatively Identified Compounds						
Total TIC Compounds	1770	J	ug/kg			1
Unknown	146	J	ug/kg			1
Unknown	429	J	ug/kg			1
Unknown	174	J	ug/kg			1
Unknown	598	J	ug/kg			1
Unknown	420	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	89		10-136
4-Terphenyl-d14	77		18-120

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2203656
Report Date: 01/31/22

SAMPLE RESULTS

Lab ID: L2203656-02
Client ID: WC-2
Sample Location: BROOKLYN, NY

Date Collected: 01/21/22 12:00
Date Received: 01/21/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 01/28/22 09:56
Analyst: IM
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 01/28/22 00:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	35.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	52.	1
2,4-Dinitrotoluene	ND		ug/kg	190	39.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	91	J	ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	180	1
Hexachloroethane	ND		ug/kg	160	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	ND		ug/kg	190	24.	1
Nitrobenzene	ND		ug/kg	170	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	67.	1
Butyl benzyl phthalate	ND		ug/kg	190	49.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	66.	1

Project Name: JMG BROOKLYN **Lab Number:** L2203656

Project Number: 150550 **Report Date:** 01/31/22

SAMPLE RESULTS

Lab ID: L2203656-02 Date Collected: 01/21/22 12:00

Client ID: WC-2 Date Received: 01/21/22

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	41.	1
Benzo(a)anthracene	49	J	ug/kg	120	22.	1
Benzo(a)pyrene	61	J	ug/kg	160	47.	1
Benzo(b)fluoranthene	77	J	ug/kg	120	33.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	64	J	ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	45	J	ug/kg	160	23.	1
Fluorene	ND		ug/kg	190	19.	1
Phenanthrene	58	J	ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	46	J	ug/kg	160	27.	1
Pyrene	82	J	ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	25.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	37.	1
4-Nitroaniline	ND		ug/kg	190	80.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	26	J	ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	190	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	64.	1
2-Nitrophenol	ND		ug/kg	420	73.	1
4-Nitrophenol	ND		ug/kg	270	79.	1
2,4-Dinitrophenol	ND		ug/kg	930	90.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	93.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2203656
Report Date: 01/31/22

SAMPLE RESULTS

Lab ID: L2203656-02
Client ID: WC-2
Sample Location: BROOKLYN, NY
Date Collected: 01/21/22 12:00
Date Received: 01/21/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	ND		ug/kg	190	19.	1
1,4-Dioxane	ND		ug/kg	29	8.9	1
Tentatively Identified Compounds						
Total TIC Compounds	4080	J	ug/kg			1
Unknown	297	J	ug/kg			1
Unknown	866	J	ug/kg			1
Unknown Benzene	2670	J	ug/kg			1
Unknown Ketone	251	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	83		25-120
Phenol-d6	87		10-120
Nitrobenzene-d5	98		23-120
2-Fluorobiphenyl	85		30-120
2,4,6-Tribromophenol	98		10-136
4-Terphenyl-d14	82		18-120

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2203656
Report Date: 01/31/22

SAMPLE RESULTS

Lab ID: L2203656-03
Client ID: WC-3
Sample Location: BROOKLYN, NY

Date Collected: 01/21/22 12:15
Date Received: 01/21/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 01/28/22 10:20
Analyst: IM
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 01/28/22 00:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	ND		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: JMG BROOKLYN **Lab Number:** L2203656

Project Number: 150550 **Report Date:** 01/31/22

SAMPLE RESULTS

Lab ID: L2203656-03 Date Collected: 01/21/22 12:15

Client ID: WC-3 Date Received: 01/21/22

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	23.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	86.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: JMG BROOKLYN **Lab Number:** L2203656

Project Number: 150550 **Report Date:** 01/31/22

SAMPLE RESULTS

Lab ID: L2203656-03 Date Collected: 01/21/22 12:15

Client ID: WC-3 Date Received: 01/21/22

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	ND		ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.3	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	90		10-136
4-Terphenyl-d14	76		18-120

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2203656
Report Date: 01/31/22

SAMPLE RESULTS

Lab ID: L2203656-04 D
Client ID: WC-4
Sample Location: BROOKLYN, NY

Date Collected: 01/21/22 12:45
Date Received: 01/21/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 01/28/22 10:43
Analyst: IM
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 01/28/22 00:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	690	89.	5
1,2,4-Trichlorobenzene	ND		ug/kg	860	98.	5
Hexachlorobenzene	ND		ug/kg	520	96.	5
Bis(2-chloroethyl)ether	ND		ug/kg	770	120	5
2-Chloronaphthalene	ND		ug/kg	860	85.	5
1,2-Dichlorobenzene	ND		ug/kg	860	150	5
1,3-Dichlorobenzene	ND		ug/kg	860	150	5
1,4-Dichlorobenzene	ND		ug/kg	860	150	5
3,3'-Dichlorobenzidine	ND		ug/kg	860	230	5
2,4-Dinitrotoluene	ND		ug/kg	860	170	5
2,6-Dinitrotoluene	ND		ug/kg	860	150	5
Fluoranthene	180	J	ug/kg	520	99.	5
4-Chlorophenyl phenyl ether	ND		ug/kg	860	92.	5
4-Bromophenyl phenyl ether	ND		ug/kg	860	130	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1000	150	5
Bis(2-chloroethoxy)methane	ND		ug/kg	930	86.	5
Hexachlorobutadiene	ND		ug/kg	860	120	5
Hexachlorocyclopentadiene	ND		ug/kg	2400	780	5
Hexachloroethane	ND		ug/kg	690	140	5
Isophorone	ND		ug/kg	770	110	5
Naphthalene	100	J	ug/kg	860	100	5
Nitrobenzene	ND		ug/kg	770	130	5
NDPA/DPA	ND		ug/kg	690	98.	5
n-Nitrosodi-n-propylamine	ND		ug/kg	860	130	5
Bis(2-ethylhexyl)phthalate	ND		ug/kg	860	300	5
Butyl benzyl phthalate	ND		ug/kg	860	220	5
Di-n-butylphthalate	ND		ug/kg	860	160	5
Di-n-octylphthalate	ND		ug/kg	860	290	5

Project Name: JMG BROOKLYN **Lab Number:** L2203656

Project Number: 150550 **Report Date:** 01/31/22

SAMPLE RESULTS

Lab ID: L2203656-04 D Date Collected: 01/21/22 12:45

Client ID: WC-4 Date Received: 01/21/22

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	860	80.	5
Dimethyl phthalate	ND		ug/kg	860	180	5
Benzo(a)anthracene	110	J	ug/kg	520	97.	5
Benzo(a)pyrene	ND		ug/kg	690	210	5
Benzo(b)fluoranthene	180	J	ug/kg	520	140	5
Benzo(k)fluoranthene	ND		ug/kg	520	140	5
Chrysene	200	J	ug/kg	520	89.	5
Acenaphthylene	ND		ug/kg	690	130	5
Anthracene	ND		ug/kg	520	170	5
Benzo(ghi)perylene	140	J	ug/kg	690	100	5
Fluorene	ND		ug/kg	860	84.	5
Phenanthrene	210	J	ug/kg	520	100	5
Dibenzo(a,h)anthracene	ND		ug/kg	520	99.	5
Indeno(1,2,3-cd)pyrene	ND		ug/kg	690	120	5
Pyrene	210	J	ug/kg	520	85.	5
Biphenyl	ND		ug/kg	2000	110	5
4-Chloroaniline	ND		ug/kg	860	160	5
2-Nitroaniline	ND		ug/kg	860	160	5
3-Nitroaniline	ND		ug/kg	860	160	5
4-Nitroaniline	ND		ug/kg	860	360	5
Dibenzofuran	ND		ug/kg	860	81.	5
2-Methylnaphthalene	180	J	ug/kg	1000	100	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	860	90.	5
Acetophenone	ND		ug/kg	860	110	5
2,4,6-Trichlorophenol	ND		ug/kg	520	160	5
p-Chloro-m-cresol	ND		ug/kg	860	130	5
2-Chlorophenol	ND		ug/kg	860	100	5
2,4-Dichlorophenol	ND		ug/kg	770	140	5
2,4-Dimethylphenol	ND		ug/kg	860	280	5
2-Nitrophenol	ND		ug/kg	1800	320	5
4-Nitrophenol	ND		ug/kg	1200	350	5
2,4-Dinitrophenol	ND		ug/kg	4100	400	5
4,6-Dinitro-o-cresol	ND		ug/kg	2200	410	5
Pentachlorophenol	ND		ug/kg	690	190	5
Phenol	ND		ug/kg	860	130	5
2-Methylphenol	ND		ug/kg	860	130	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	1200	130	5

Project Name: JMG BROOKLYN **Lab Number:** L2203656

Project Number: 150550 **Report Date:** 01/31/22

SAMPLE RESULTS

Lab ID: L2203656-04 D Date Collected: 01/21/22 12:45

Client ID: WC-4 Date Received: 01/21/22

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	860	160	5
Benzoic Acid	ND		ug/kg	2800	870	5
Benzyl Alcohol	ND		ug/kg	860	260	5
Carbazole	ND		ug/kg	860	84.	5
1,4-Dioxane	ND		ug/kg	130	40.	5
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	70		10-136
4-Terphenyl-d14	71		18-120

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2203656
Report Date: 01/31/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 01/28/22 08:22
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 01/27/22 23:36

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1599051-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	170	19.
Hexachlorobenzene	ND		ug/kg	100	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	170	16.
1,2-Dichlorobenzene	ND		ug/kg	170	30.
1,3-Dichlorobenzene	ND		ug/kg	170	28.
1,4-Dichlorobenzene	ND		ug/kg	170	29.
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.
2,4-Dinitrotoluene	ND		ug/kg	170	33.
2,6-Dinitrotoluene	ND		ug/kg	170	28.
Fluoranthene	ND		ug/kg	100	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.
4-Bromophenyl phenyl ether	ND		ug/kg	170	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.
Hexachlorobutadiene	ND		ug/kg	170	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	22.
Naphthalene	ND		ug/kg	170	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	57.
Butyl benzyl phthalate	ND		ug/kg	170	42.
Di-n-butylphthalate	ND		ug/kg	170	31.
Di-n-octylphthalate	ND		ug/kg	170	56.
Diethyl phthalate	ND		ug/kg	170	15.

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2203656
Report Date: 01/31/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 01/28/22 08:22
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 01/27/22 23:36

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1599051-1					
Dimethyl phthalate	ND		ug/kg	170	35.
Benzo(a)anthracene	ND		ug/kg	100	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	100	28.
Benzo(k)fluoranthene	ND		ug/kg	100	26.
Chrysene	ND		ug/kg	100	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	100	32.
Benzo(ghi)perylene	ND		ug/kg	130	20.
Fluorene	ND		ug/kg	170	16.
Phenanthrene	ND		ug/kg	100	20.
Dibenzo(a,h)anthracene	ND		ug/kg	100	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	100	16.
Biphenyl	ND		ug/kg	380	22.
4-Chloroaniline	ND		ug/kg	170	30.
2-Nitroaniline	ND		ug/kg	170	32.
3-Nitroaniline	ND		ug/kg	170	31.
4-Nitroaniline	ND		ug/kg	170	69.
Dibenzofuran	ND		ug/kg	170	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	17.
Acetophenone	ND		ug/kg	170	20.
2,4,6-Trichlorophenol	ND		ug/kg	100	31.
p-Chloro-m-cresol	ND		ug/kg	170	25.
2-Chlorophenol	ND		ug/kg	170	20.
2,4-Dichlorophenol	ND		ug/kg	150	27.
2,4-Dimethylphenol	ND		ug/kg	170	55.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2203656
Report Date: 01/31/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 01/28/22 08:22
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 01/27/22 23:36

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1599051-1					
4-Nitrophenol	ND		ug/kg	230	68.
2,4-Dinitrophenol	ND		ug/kg	800	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	80.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	170	25.
2-Methylphenol	ND		ug/kg	170	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	170	32.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	170	51.
Carbazole	ND		ug/kg	170	16.
1,4-Dioxane	ND		ug/kg	25	7.6
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		25-120
Phenol-d6	65		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	65		30-120
2,4,6-Tribromophenol	74		10-136
4-Terphenyl-d14	71		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: JMG BROOKLYN
Project Number: 150550

Lab Number: L2203656
Report Date: 01/31/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1599051-2 WG1599051-3								
Acenaphthene	77		66		31-137	15		50
1,2,4-Trichlorobenzene	73		62		38-107	16		50
Hexachlorobenzene	82		71		40-140	14		50
Bis(2-chloroethyl)ether	72		59		40-140	20		50
2-Chloronaphthalene	80		68		40-140	16		50
1,2-Dichlorobenzene	71		58		40-140	20		50
1,3-Dichlorobenzene	69		57		40-140	19		50
1,4-Dichlorobenzene	71		58		28-104	20		50
3,3'-Dichlorobenzidine	42		42		40-140	0		50
2,4-Dinitrotoluene	86		78		40-132	10		50
2,6-Dinitrotoluene	84		76		40-140	10		50
Fluoranthene	82		71		40-140	14		50
4-Chlorophenyl phenyl ether	81		71		40-140	13		50
4-Bromophenyl phenyl ether	81		71		40-140	13		50
Bis(2-chloroisopropyl)ether	72		60		40-140	18		50
Bis(2-chloroethoxy)methane	78		67		40-117	15		50
Hexachlorobutadiene	73		61		40-140	18		50
Hexachlorocyclopentadiene	83		70		40-140	17		50
Hexachloroethane	73		60		40-140	20		50
Isophorone	77		67		40-140	14		50
Naphthalene	72		60		40-140	18		50
Nitrobenzene	80		69		40-140	15		50
NDPA/DPA	82		72		36-157	13		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: JMG BROOKLYN

Project Number: 150550

Lab Number: L2203656

Report Date: 01/31/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1599051-2 WG1599051-3								
n-Nitrosodi-n-propylamine	77		66		32-121	15		50
Bis(2-ethylhexyl)phthalate	88		76		40-140	15		50
Butyl benzyl phthalate	84		75		40-140	11		50
Di-n-butylphthalate	85		73		40-140	15		50
Di-n-octylphthalate	84		72		40-140	15		50
Diethyl phthalate	83		72		40-140	14		50
Dimethyl phthalate	81		72		40-140	12		50
Benzo(a)anthracene	77		66		40-140	15		50
Benzo(a)pyrene	82		71		40-140	14		50
Benzo(b)fluoranthene	81		70		40-140	15		50
Benzo(k)fluoranthene	82		68		40-140	19		50
Chrysene	77		66		40-140	15		50
Acenaphthylene	81		70		40-140	15		50
Anthracene	81		69		40-140	16		50
Benzo(ghi)perylene	82		70		40-140	16		50
Fluorene	83		72		40-140	14		50
Phenanthrene	78		66		40-140	17		50
Dibenzo(a,h)anthracene	79		68		40-140	15		50
Indeno(1,2,3-cd)pyrene	85		74		40-140	14		50
Pyrene	80		70		35-142	13		50
Biphenyl	81		69		37-127	16		50
4-Chloroaniline	49		58		40-140	17		50
2-Nitroaniline	87		79		47-134	10		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: JMG BROOKLYN
Project Number: 150550

Lab Number: L2203656
Report Date: 01/31/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1599051-2 WG1599051-3								
3-Nitroaniline	69		68		26-129	1		50
4-Nitroaniline	85		77		41-125	10		50
Dibenzofuran	80		69		40-140	15		50
2-Methylnaphthalene	77		65		40-140	17		50
1,2,4,5-Tetrachlorobenzene	81		68		40-117	17		50
Acetophenone	77		65		14-144	17		50
2,4,6-Trichlorophenol	89		77		30-130	14		50
p-Chloro-m-cresol	86		74		26-103	15		50
2-Chlorophenol	75		65		25-102	14		50
2,4-Dichlorophenol	84		74		30-130	13		50
2,4-Dimethylphenol	79		68		30-130	15		50
2-Nitrophenol	89		79		30-130	12		50
4-Nitrophenol	96		84		11-114	13		50
2,4-Dinitrophenol	56		52		4-130	7		50
4,6-Dinitro-o-cresol	83		74		10-130	11		50
Pentachlorophenol	91		81		17-109	12		50
Phenol	76		64		26-90	17		50
2-Methylphenol	78		66		30-130.	17		50
3-Methylphenol/4-Methylphenol	80		69		30-130	15		50
2,4,5-Trichlorophenol	92		78		30-130	16		50
Benzoic Acid	**0**	Q	**0**	Q	10-110	NC		50
Benzyl Alcohol	78		66		40-140	17		50
Carbazole	82		71		54-128	14		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: JMG BROOKLYN

Project Number: 150550

Lab Number: L2203656

Report Date: 01/31/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1599051-2 WG1599051-3								
1,4-Dioxane	49		40		40-140	20		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	73		61		25-120
Phenol-d6	75		64		10-120
Nitrobenzene-d5	78		71		23-120
2-Fluorobiphenyl	74		66		30-120
2,4,6-Tribromophenol	93		82		10-136
4-Terphenyl-d14	75		67		18-120

PETROLEUM HYDROCARBONS

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2203656
Report Date: 01/31/22

SAMPLE RESULTS

Lab ID: L2203656-01
Client ID: WC-1
Sample Location: BROOKLYN, NY

Date Collected: 01/21/22 09:00
Date Received: 01/21/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 01/28/22 09:45
Analyst: MEO
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 01/28/22 03:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Diesel Range Organics - Westborough Lab						
DRO (C10-C28)	2500	J	ug/kg	34000	1900	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	81		40-140

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2203656
Report Date: 01/31/22

SAMPLE RESULTS

Lab ID: L2203656-02
Client ID: WC-2
Sample Location: BROOKLYN, NY

Date Collected: 01/21/22 12:00
Date Received: 01/21/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 01/28/22 08:36
Analyst: MEO
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 01/28/22 03:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Diesel Range Organics - Westborough Lab						
DRO (C10-C28)	3700	J	ug/kg	38000	2100	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	83		40-140

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2203656
Report Date: 01/31/22

SAMPLE RESULTS

Lab ID: L2203656-03
Client ID: WC-3
Sample Location: BROOKLYN, NY

Date Collected: 01/21/22 12:15
Date Received: 01/21/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 01/28/22 10:20
Analyst: MEO
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 01/28/22 03:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Diesel Range Organics - Westborough Lab						
DRO (C10-C28)	3700	J	ug/kg	36000	2000	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	103		40-140

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2203656
Report Date: 01/31/22

SAMPLE RESULTS

Lab ID: L2203656-04
Client ID: WC-4
Sample Location: BROOKLYN, NY

Date Collected: 01/21/22 12:45
Date Received: 01/21/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 01/28/22 09:45
Analyst: MEO
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 01/28/22 03:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Diesel Range Organics - Westborough Lab						
DRO (C10-C28)	290000		ug/kg	34000	1900	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	61		40-140

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2203656
Report Date: 01/31/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015D(M)
Analytical Date: 01/28/22 09:10
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 01/28/22 03:26

Parameter	Result	Qualifier	Units	RL	MDL
Diesel Range Organics - Westborough Lab for sample(s): 01-04 Batch: WG1599077-1					
DRO (C10-C28)	2100	J	ug/kg	33000	1800

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	75		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: JMG BROOKLYN

Project Number: 150550

Lab Number: L2203656

Report Date: 01/31/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Diesel Range Organics - Westborough Lab	Associated sample(s): 01-04		Batch: WG1599077-2					
DRO (C10-C28)	87		-		60-140	-		

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	77				40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: JMG BROOKLYN
Project Number: 150550

Lab Number: L2203656
Report Date: 01/31/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Diesel Range Organics - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1599077-3 QC Sample: L2203656-02 Client ID: WC-2						
DRO (C10-C28)	3700J	3200J	ug/kg	NC		20

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	83		83		40-140

PCBS

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2203656
Report Date: 01/31/22

SAMPLE RESULTS

Lab ID: L2203656-01
Client ID: WC-1
Sample Location: BROOKLYN, NY

Date Collected: 01/21/22 09:00
Date Received: 01/21/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 01/28/22 10:54
Analyst: JM
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 01/28/22 00:47
Cleanup Method: EPA 3665A
Cleanup Date: 01/28/22
Cleanup Method: EPA 3660B
Cleanup Date: 01/28/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	33.6	2.99	1	A
Aroclor 1221	ND		ug/kg	33.6	3.37	1	A
Aroclor 1232	ND		ug/kg	33.6	7.13	1	A
Aroclor 1242	ND		ug/kg	33.6	4.53	1	A
Aroclor 1248	ND		ug/kg	33.6	5.04	1	A
Aroclor 1254	ND		ug/kg	33.6	3.68	1	A
Aroclor 1260	ND		ug/kg	33.6	6.21	1	A
Aroclor 1262	ND		ug/kg	33.6	4.27	1	A
Aroclor 1268	ND		ug/kg	33.6	3.48	1	A
PCBs, Total	ND		ug/kg	33.6	2.99	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	86		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	82		30-150	B

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2203656
Report Date: 01/31/22

SAMPLE RESULTS

Lab ID: L2203656-02
Client ID: WC-2
Sample Location: BROOKLYN, NY

Date Collected: 01/21/22 12:00
Date Received: 01/21/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 01/28/22 11:03
Analyst: JM
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 01/28/22 00:48
Cleanup Method: EPA 3665A
Cleanup Date: 01/28/22
Cleanup Method: EPA 3660B
Cleanup Date: 01/28/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.6	3.34	1	A
Aroclor 1221	ND		ug/kg	37.6	3.77	1	A
Aroclor 1232	ND		ug/kg	37.6	7.97	1	A
Aroclor 1242	ND		ug/kg	37.6	5.07	1	A
Aroclor 1248	ND		ug/kg	37.6	5.64	1	A
Aroclor 1254	ND		ug/kg	37.6	4.11	1	A
Aroclor 1260	ND		ug/kg	37.6	6.95	1	A
Aroclor 1262	ND		ug/kg	37.6	4.78	1	A
Aroclor 1268	ND		ug/kg	37.6	3.90	1	A
PCBs, Total	ND		ug/kg	37.6	3.34	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	88		30-150	B

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2203656
Report Date: 01/31/22

SAMPLE RESULTS

Lab ID: L2203656-03
Client ID: WC-3
Sample Location: BROOKLYN, NY

Date Collected: 01/21/22 12:15
Date Received: 01/21/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 01/28/22 11:11
Analyst: JM
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 01/28/22 00:48
Cleanup Method: EPA 3665A
Cleanup Date: 01/28/22
Cleanup Method: EPA 3660B
Cleanup Date: 01/28/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.0	3.10	1	A
Aroclor 1221	ND		ug/kg	35.0	3.50	1	A
Aroclor 1232	ND		ug/kg	35.0	7.41	1	A
Aroclor 1242	ND		ug/kg	35.0	4.71	1	A
Aroclor 1248	ND		ug/kg	35.0	5.24	1	A
Aroclor 1254	ND		ug/kg	35.0	3.82	1	A
Aroclor 1260	ND		ug/kg	35.0	6.46	1	A
Aroclor 1262	ND		ug/kg	35.0	4.44	1	A
Aroclor 1268	ND		ug/kg	35.0	3.62	1	A
PCBs, Total	ND		ug/kg	35.0	3.10	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	85		30-150	B

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2203656
Report Date: 01/31/22

SAMPLE RESULTS

Lab ID: L2203656-04
Client ID: WC-4
Sample Location: BROOKLYN, NY

Date Collected: 01/21/22 12:45
Date Received: 01/21/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 01/28/22 22:44
Analyst: CW
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 01/28/22 12:28
Cleanup Method: EPA 3665A
Cleanup Date: 01/28/22
Cleanup Method: EPA 3660B
Cleanup Date: 01/28/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	33.8	3.00	1	A
Aroclor 1221	ND		ug/kg	33.8	3.39	1	A
Aroclor 1232	ND		ug/kg	33.8	7.17	1	A
Aroclor 1242	ND		ug/kg	33.8	4.56	1	A
Aroclor 1248	ND		ug/kg	33.8	5.07	1	A
Aroclor 1254	ND		ug/kg	33.8	3.70	1	A
Aroclor 1260	ND		ug/kg	33.8	6.25	1	A
Aroclor 1262	ND		ug/kg	33.8	4.30	1	A
Aroclor 1268	ND		ug/kg	33.8	3.50	1	A
PCBs, Total	ND		ug/kg	33.8	3.00	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	62		30-150	B

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2203656
Report Date: 01/31/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 01/27/22 07:56
Analyst: JWL

Extraction Method: EPA 3546
Extraction Date: 01/27/22 00:57
Cleanup Method: EPA 3665A
Cleanup Date: 01/27/22
Cleanup Method: EPA 3660B
Cleanup Date: 01/27/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-03 Batch: WG1598578-1						
Aroclor 1016	ND		ug/kg	32.1	2.85	A
Aroclor 1221	ND		ug/kg	32.1	3.22	A
Aroclor 1232	ND		ug/kg	32.1	6.81	A
Aroclor 1242	ND		ug/kg	32.1	4.33	A
Aroclor 1248	ND		ug/kg	32.1	4.82	A
Aroclor 1254	ND		ug/kg	32.1	3.52	A
Aroclor 1260	ND		ug/kg	32.1	5.94	A
Aroclor 1262	ND		ug/kg	32.1	4.08	A
Aroclor 1268	ND		ug/kg	32.1	3.33	A
PCBs, Total	ND		ug/kg	32.1	2.85	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	96		30-150	B

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2203656
Report Date: 01/31/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 01/28/22 22:22
Analyst: CW

Extraction Method: EPA 3546
Extraction Date: 01/28/22 12:28
Cleanup Method: EPA 3665A
Cleanup Date: 01/28/22
Cleanup Method: EPA 3660B
Cleanup Date: 01/28/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 04 Batch: WG1599299-1						
Aroclor 1016	ND		ug/kg	31.8	2.82	A
Aroclor 1221	ND		ug/kg	31.8	3.18	A
Aroclor 1232	ND		ug/kg	31.8	6.73	A
Aroclor 1242	ND		ug/kg	31.8	4.28	A
Aroclor 1248	ND		ug/kg	31.8	4.76	A
Aroclor 1254	ND		ug/kg	31.8	3.48	A
Aroclor 1260	ND		ug/kg	31.8	5.87	A
Aroclor 1262	ND		ug/kg	31.8	4.03	A
Aroclor 1268	ND		ug/kg	31.8	3.29	A
PCBs, Total	ND		ug/kg	31.8	2.82	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	70		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: JMG BROOKLYN

Project Number: 150550

Lab Number: L2203656

Report Date: 01/31/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG1598578-2 WG1598578-3									
Aroclor 1016	89		86		40-140	3		50	A
Aroclor 1260	86		85		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	92		93		30-150	A
Decachlorobiphenyl	97		99		30-150	A
2,4,5,6-Tetrachloro-m-xylene	104		104		30-150	B
Decachlorobiphenyl	106		107		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: JMG BROOKLYN

Project Number: 150550

Lab Number: L2203656

Report Date: 01/31/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 04 Batch: WG1599299-2 WG1599299-3									
Aroclor 1016	71		77		40-140	8		50	A
Aroclor 1260	69		77		40-140	11		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		77		30-150	A
Decachlorobiphenyl	61		70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		77		30-150	B
Decachlorobiphenyl	68		77		30-150	B

PESTICIDES

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2203656
Report Date: 01/31/22

SAMPLE RESULTS

Lab ID: L2203656-01
Client ID: WC-1
Sample Location: BROOKLYN, NY

Date Collected: 01/21/22 09:00
Date Received: 01/21/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 01/31/22 15:55
Analyst: EJL
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 01/28/22 03:21
Cleanup Method: EPA 3620B
Cleanup Date: 01/30/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.61	0.316	1	A
Lindane	ND		ug/kg	0.671	0.300	1	A
Alpha-BHC	ND		ug/kg	0.671	0.191	1	A
Beta-BHC	ND		ug/kg	1.61	0.611	1	A
Heptachlor	ND		ug/kg	0.806	0.361	1	A
Aldrin	ND		ug/kg	1.61	0.567	1	A
Heptachlor epoxide	ND		ug/kg	3.02	0.906	1	A
Endrin	ND		ug/kg	0.671	0.275	1	A
Endrin aldehyde	ND		ug/kg	2.01	0.705	1	A
Endrin ketone	ND		ug/kg	1.61	0.415	1	A
Dieldrin	ND		ug/kg	1.01	0.503	1	A
4,4'-DDE	ND		ug/kg	1.61	0.372	1	B
4,4'-DDD	ND		ug/kg	1.61	0.575	1	A
4,4'-DDT	ND		ug/kg	3.02	1.30	1	B
Endosulfan I	ND		ug/kg	1.61	0.381	1	A
Endosulfan II	ND		ug/kg	1.61	0.538	1	A
Endosulfan sulfate	ND		ug/kg	0.671	0.320	1	A
Methoxychlor	ND		ug/kg	3.02	0.940	1	A
Toxaphene	ND		ug/kg	30.2	8.46	1	A
cis-Chlordane	ND		ug/kg	2.01	0.561	1	A
trans-Chlordane	ND		ug/kg	2.01	0.532	1	A
Chlordane	ND		ug/kg	13.4	5.34	1	A

Project Name: JMG BROOKLYN **Lab Number:** L2203656

Project Number: 150550 **Report Date:** 01/31/22

SAMPLE RESULTS

Lab ID: L2203656-01 Date Collected: 01/21/22 09:00

Client ID: WC-1 Date Received: 01/21/22

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	92		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2203656
Report Date: 01/31/22

SAMPLE RESULTS

Lab ID: L2203656-01
Client ID: WC-1
Sample Location: BROOKLYN, NY

Date Collected: 01/21/22 09:00
Date Received: 01/21/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 01/24/22 13:49
Analyst: AKM
Percent Solids: 96%
Methylation Date: 01/24/22 03:29

Extraction Method: EPA 8151A
Extraction Date: 01/22/22 08:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	173	10.9	1	A
2,4,5-T	ND		ug/kg	173	5.37	1	A
2,4,5-TP (Silvex)	ND		ug/kg	173	4.61	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	96		30-150	A
DCAA	79		30-150	B

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2203656
Report Date: 01/31/22

SAMPLE RESULTS

Lab ID: L2203656-02
Client ID: WC-2
Sample Location: BROOKLYN, NY

Date Collected: 01/21/22 12:00
Date Received: 01/21/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 01/31/22 13:24
Analyst: EJL
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 01/28/22 03:21
Cleanup Method: EPA 3620B
Cleanup Date: 01/30/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.83	0.359	1	A
Lindane	ND		ug/kg	0.763	0.341	1	A
Alpha-BHC	ND		ug/kg	0.763	0.217	1	A
Beta-BHC	ND		ug/kg	1.83	0.694	1	A
Heptachlor	ND		ug/kg	0.916	0.411	1	A
Aldrin	ND		ug/kg	1.83	0.645	1	A
Heptachlor epoxide	ND		ug/kg	3.43	1.03	1	A
Endrin	ND		ug/kg	0.763	0.313	1	A
Endrin aldehyde	ND		ug/kg	2.29	0.801	1	A
Endrin ketone	ND		ug/kg	1.83	0.472	1	A
Dieldrin	ND		ug/kg	1.14	0.572	1	A
4,4'-DDE	ND		ug/kg	1.83	0.424	1	A
4,4'-DDD	ND		ug/kg	1.83	0.653	1	A
4,4'-DDT	ND		ug/kg	3.43	1.47	1	A
Endosulfan I	ND		ug/kg	1.83	0.433	1	A
Endosulfan II	ND		ug/kg	1.83	0.612	1	A
Endosulfan sulfate	ND		ug/kg	0.763	0.363	1	A
Methoxychlor	ND		ug/kg	3.43	1.07	1	A
Toxaphene	ND		ug/kg	34.3	9.62	1	A
cis-Chlordane	ND		ug/kg	2.29	0.638	1	A
trans-Chlordane	ND		ug/kg	2.29	0.604	1	A
Chlordane	ND		ug/kg	15.3	6.07	1	A

Project Name: JMG BROOKLYN **Lab Number:** L2203656

Project Number: 150550 **Report Date:** 01/31/22

SAMPLE RESULTS

Lab ID: L2203656-02 Date Collected: 01/21/22 12:00

Client ID: WC-2 Date Received: 01/21/22

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	100		30-150	A
Decachlorobiphenyl	94		30-150	A
2,4,5,6-Tetrachloro-m-xylene	95		30-150	B
Decachlorobiphenyl	80		30-150	B

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2203656
Report Date: 01/31/22

SAMPLE RESULTS

Lab ID: L2203656-02
Client ID: WC-2
Sample Location: BROOKLYN, NY

Date Collected: 01/21/22 12:00
Date Received: 01/21/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 01/24/22 17:41
Analyst: EJL
Percent Solids: 85%
Methylation Date: 01/24/22 03:29

Extraction Method: EPA 8151A
Extraction Date: 01/22/22 08:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	195	12.3	1	A
2,4,5-T	ND		ug/kg	195	6.05	1	A
2,4,5-TP (Silvex)	ND		ug/kg	195	5.19	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	97		30-150	A
DCAA	83		30-150	B

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2203656
Report Date: 01/31/22

SAMPLE RESULTS

Lab ID: L2203656-03
Client ID: WC-3
Sample Location: BROOKLYN, NY

Date Collected: 01/21/22 12:15
Date Received: 01/21/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 01/31/22 13:35
Analyst: EJL
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 01/28/22 03:21
Cleanup Method: EPA 3620B
Cleanup Date: 01/30/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.93	0.378	1	A
Lindane	ND		ug/kg	0.804	0.359	1	A
Alpha-BHC	ND		ug/kg	0.804	0.228	1	A
Beta-BHC	ND		ug/kg	1.93	0.732	1	A
Heptachlor	ND		ug/kg	0.965	0.432	1	A
Aldrin	ND		ug/kg	1.93	0.679	1	A
Heptachlor epoxide	ND		ug/kg	3.62	1.08	1	A
Endrin	ND		ug/kg	0.804	0.330	1	A
Endrin aldehyde	ND		ug/kg	2.41	0.844	1	A
Endrin ketone	ND		ug/kg	1.93	0.497	1	A
Dieldrin	ND		ug/kg	1.20	0.603	1	A
4,4'-DDE	ND		ug/kg	1.93	0.446	1	A
4,4'-DDD	ND		ug/kg	1.93	0.688	1	A
4,4'-DDT	ND		ug/kg	3.62	1.55	1	A
Endosulfan I	ND		ug/kg	1.93	0.456	1	A
Endosulfan II	ND		ug/kg	1.93	0.645	1	A
Endosulfan sulfate	ND		ug/kg	0.804	0.383	1	A
Methoxychlor	ND		ug/kg	3.62	1.12	1	A
Toxaphene	ND		ug/kg	36.2	10.1	1	A
cis-Chlordane	ND		ug/kg	2.41	0.672	1	A
trans-Chlordane	ND		ug/kg	2.41	0.637	1	A
Chlordane	ND		ug/kg	16.1	6.39	1	A

Project Name: JMG BROOKLYN **Lab Number:** L2203656

Project Number: 150550 **Report Date:** 01/31/22

SAMPLE RESULTS

Lab ID: L2203656-03 Date Collected: 01/21/22 12:15

Client ID: WC-3 Date Received: 01/21/22

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2203656
Report Date: 01/31/22

SAMPLE RESULTS

Lab ID: L2203656-03
Client ID: WC-3
Sample Location: BROOKLYN, NY

Date Collected: 01/21/22 12:15
Date Received: 01/21/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 01/24/22 17:59
Analyst: EJL
Percent Solids: 92%
Methylation Date: 01/24/22 03:29

Extraction Method: EPA 8151A
Extraction Date: 01/22/22 08:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	179	11.3	1	A
2,4,5-T	ND		ug/kg	179	5.55	1	A
2,4,5-TP (Silvex)	ND		ug/kg	179	4.76	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	95		30-150	A
DCAA	82		30-150	B

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2203656
Report Date: 01/31/22

SAMPLE RESULTS

Lab ID: L2203656-04
Client ID: WC-4
Sample Location: BROOKLYN, NY

Date Collected: 01/21/22 12:45
Date Received: 01/21/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 01/31/22 13:46
Analyst: EJL
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 01/28/22 03:21
Cleanup Method: EPA 3620B
Cleanup Date: 01/30/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.62	0.318	1	A
Lindane	ND		ug/kg	0.677	0.302	1	A
Alpha-BHC	ND		ug/kg	0.677	0.192	1	A
Beta-BHC	ND		ug/kg	1.62	0.616	1	A
Heptachlor	ND		ug/kg	0.812	0.364	1	A
Aldrin	ND		ug/kg	1.62	0.572	1	A
Heptachlor epoxide	ND		ug/kg	3.04	0.914	1	A
Endrin	ND		ug/kg	0.677	0.277	1	A
Endrin aldehyde	ND		ug/kg	2.03	0.711	1	A
Endrin ketone	ND		ug/kg	1.62	0.418	1	A
Dieldrin	ND		ug/kg	1.02	0.508	1	A
4,4'-DDE	ND		ug/kg	1.62	0.376	1	A
4,4'-DDD	ND		ug/kg	1.62	0.579	1	A
4,4'-DDT	ND		ug/kg	3.04	1.31	1	A
Endosulfan I	ND		ug/kg	1.62	0.384	1	A
Endosulfan II	ND		ug/kg	1.62	0.543	1	A
Endosulfan sulfate	ND		ug/kg	0.677	0.322	1	A
Methoxychlor	ND		ug/kg	3.04	0.948	1	A
Toxaphene	ND		ug/kg	30.4	8.53	1	A
cis-Chlordane	ND		ug/kg	2.03	0.566	1	A
trans-Chlordane	ND		ug/kg	2.03	0.536	1	A
Chlordane	ND		ug/kg	13.5	5.38	1	A

Project Name: JMG BROOKLYN **Lab Number:** L2203656

Project Number: 150550 **Report Date:** 01/31/22

SAMPLE RESULTS

Lab ID: L2203656-04 Date Collected: 01/21/22 12:45

Client ID: WC-4 Date Received: 01/21/22

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	103		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	61		30-150	B

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2203656
Report Date: 01/31/22

SAMPLE RESULTS

Lab ID: L2203656-04 D
Client ID: WC-4
Sample Location: BROOKLYN, NY

Date Collected: 01/21/22 12:45
Date Received: 01/21/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 01/25/22 16:41
Analyst: EJL
Percent Solids: 95%
Methylation Date: 01/24/22 03:29

Extraction Method: EPA 8151A
Extraction Date: 01/22/22 10:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	852	53.7	5	A
2,4,5-T	ND		ug/kg	852	26.4	5	A
2,4,5-TP (Silvex)	ND		ug/kg	852	22.7	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	95		30-150	A
DCAA	78		30-150	B

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2203656
Report Date: 01/31/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 01/24/22 09:15
Analyst: AKM

Extraction Method: EPA 8151A
Extraction Date: 01/22/22 08:21

Methylation Date: 01/24/22 03:29

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-04 Batch: WG1596972-1						
2,4-D	ND		ug/kg	162	10.2	A
2,4,5-T	ND		ug/kg	162	5.04	A
2,4,5-TP (Silvex)	ND		ug/kg	162	4.32	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	87		30-150	A
DCAA	80		30-150	B

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2203656
Report Date: 01/31/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 01/31/22 11:42
Analyst: EJL

Extraction Method: EPA 3546
Extraction Date: 01/28/22 00:01
Cleanup Method: EPA 3620B
Cleanup Date: 01/30/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-04 Batch: WG1599052-1						
Delta-BHC	ND		ug/kg	1.59	0.311	A
Lindane	ND		ug/kg	0.661	0.296	A
Alpha-BHC	ND		ug/kg	0.661	0.188	A
Beta-BHC	ND		ug/kg	1.59	0.602	A
Heptachlor	ND		ug/kg	0.794	0.356	A
Aldrin	ND		ug/kg	1.59	0.559	A
Heptachlor epoxide	ND		ug/kg	2.98	0.893	A
Endrin	ND		ug/kg	0.661	0.271	A
Endrin aldehyde	ND		ug/kg	1.98	0.694	A
Endrin ketone	ND		ug/kg	1.59	0.409	A
Dieldrin	ND		ug/kg	0.992	0.496	A
4,4'-DDE	ND		ug/kg	1.59	0.367	A
4,4'-DDD	ND		ug/kg	1.59	0.566	A
Endosulfan I	ND		ug/kg	1.59	0.375	A
Endosulfan II	ND		ug/kg	1.59	0.530	A
Endosulfan sulfate	ND		ug/kg	0.661	0.315	A
Methoxychlor	ND		ug/kg	2.98	0.926	A
Toxaphene	ND		ug/kg	29.8	8.33	A
cis-Chlordane	ND		ug/kg	1.98	0.553	A
trans-Chlordane	ND		ug/kg	1.98	0.524	A
Chlordane	ND		ug/kg	13.2	5.26	A
4,4'-DDT	ND		ug/kg	2.98	1.28	B

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2203656
Report Date: 01/31/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 01/31/22 11:42
Analyst: EJL

Extraction Method: EPA 3546
Extraction Date: 01/28/22 00:01
Cleanup Method: EPA 3620B
Cleanup Date: 01/30/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-04 Batch: WG1599052-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	99		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	98		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: JMG BROOKLYN

Project Number: 150550

Lab Number: L2203656

Report Date: 01/31/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG1596972-2 WG1596972-3									
2,4-D	79		80		30-150	1		30	A
2,4,5-T	78		71		30-150	9		30	A
2,4,5-TP (Silvex)	78		77		30-150	1		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	84		83		30-150	A
DCAA	80		80		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: JMG BROOKLYN

Project Number: 150550

Lab Number: L2203656

Report Date: 01/31/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG1599052-2 WG1599052-3									
Delta-BHC	97		91		30-150	6		30	A
Lindane	92		86		30-150	7		30	A
Alpha-BHC	98		91		30-150	7		30	A
Beta-BHC	107		100		30-150	7		30	A
Heptachlor	98		94		30-150	4		30	A
Aldrin	98		93		30-150	5		30	A
Heptachlor epoxide	79		72		30-150	9		30	A
Endrin	109		103		30-150	6		30	A
Endrin aldehyde	73		66		30-150	10		30	A
Endrin ketone	109		100		30-150	9		30	A
Dieldrin	94		88		30-150	7		30	A
4,4'-DDE	88		84		30-150	5		30	A
4,4'-DDD	101		95		30-150	6		30	A
4,4'-DDT	102		97		30-150	5		30	A
Endosulfan I	86		81		30-150	6		30	A
Endosulfan II	91		85		30-150	7		30	A
Endosulfan sulfate	89		81		30-150	9		30	A
Methoxychlor	132		125		30-150	5		30	A
cis-Chlordane	94		89		30-150	5		30	A
trans-Chlordane	118		112		30-150	5		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: JMG BROOKLYN

Project Number: 150550

Lab Number: L2203656

Report Date: 01/31/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG1599052-2 WG1599052-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		90		30-150	A
Decachlorobiphenyl	97		98		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		72		30-150	B
Decachlorobiphenyl	92		94		30-150	B

METALS

Project Name: JMG BROOKLYN
Lab Number: L2203656
Project Number: 150550
Report Date: 01/31/22

SAMPLE RESULTS

Lab ID: L2203656-01
Client ID: WC-1
Sample Location: BROOKLYN, NY
Date Collected: 01/21/22 09:00
Date Received: 01/21/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 96%
TCLP/SPLP Ext. Date: 01/22/22 21:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	01/25/22 19:59	01/26/22 00:31	EPA 3015	1,6010D	MC
Barium, TCLP	0.170	J	mg/l	0.500	0.021	1	01/25/22 19:59	01/26/22 00:31	EPA 3015	1,6010D	MC
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	01/25/22 19:59	01/26/22 00:31	EPA 3015	1,6010D	MC
Chromium, TCLP	ND		mg/l	0.200	0.021	1	01/25/22 19:59	01/26/22 00:31	EPA 3015	1,6010D	MC
Lead, TCLP	ND		mg/l	0.500	0.027	1	01/25/22 19:59	01/26/22 00:31	EPA 3015	1,6010D	MC
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	01/25/22 18:37	01/26/22 08:07	EPA 7470A	1,7470A	AC
Selenium, TCLP	ND		mg/l	0.500	0.035	1	01/25/22 19:59	01/26/22 00:31	EPA 3015	1,6010D	MC
Silver, TCLP	ND		mg/l	0.100	0.028	1	01/25/22 19:59	01/26/22 00:31	EPA 3015	1,6010D	MC

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2203656
Report Date: 01/31/22

SAMPLE RESULTS

Lab ID: L2203656-01
Client ID: WC-1
Sample Location: BROOKLYN, NY
Date Collected: 01/21/22 09:00
Date Received: 01/21/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 96%

Total Metals - Mansfield Lab

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Aluminum, Total	852		mg/kg	7.91	2.14	2	01/25/22 05:30	01/26/22 14:53	EPA 3050B	1,6010D	EW
Antimony, Total	ND		mg/kg	3.96	0.301	2	01/25/22 05:30	01/26/22 14:53	EPA 3050B	1,6010D	EW
Arsenic, Total	1.27		mg/kg	0.791	0.165	2	01/25/22 05:30	01/26/22 14:53	EPA 3050B	1,6010D	EW
Barium, Total	8.57		mg/kg	0.791	0.138	2	01/25/22 05:30	01/26/22 14:53	EPA 3050B	1,6010D	EW
Beryllium, Total	0.055	J	mg/kg	0.396	0.026	2	01/25/22 05:30	01/26/22 14:53	EPA 3050B	1,6010D	EW
Cadmium, Total	0.190	J	mg/kg	0.791	0.078	2	01/25/22 05:30	01/26/22 14:53	EPA 3050B	1,6010D	EW
Calcium, Total	1010		mg/kg	7.91	2.77	2	01/25/22 05:30	01/26/22 14:53	EPA 3050B	1,6010D	EW
Chromium, Total	2.36		mg/kg	0.791	0.076	2	01/25/22 05:30	01/26/22 14:53	EPA 3050B	1,6010D	EW
Cobalt, Total	1.09	J	mg/kg	1.58	0.131	2	01/25/22 05:30	01/26/22 14:53	EPA 3050B	1,6010D	EW
Copper, Total	4.95		mg/kg	0.791	0.204	2	01/25/22 05:30	01/26/22 14:53	EPA 3050B	1,6010D	EW
Iron, Total	3600		mg/kg	3.96	0.715	2	01/25/22 05:30	01/26/22 14:53	EPA 3050B	1,6010D	EW
Lead, Total	14.3		mg/kg	3.96	0.212	2	01/25/22 05:30	01/26/22 14:53	EPA 3050B	1,6010D	EW
Magnesium, Total	465		mg/kg	7.91	1.22	2	01/25/22 05:30	01/26/22 14:53	EPA 3050B	1,6010D	EW
Manganese, Total	59.1		mg/kg	0.791	0.126	2	01/25/22 05:30	01/26/22 14:53	EPA 3050B	1,6010D	EW
Mercury, Total	ND		mg/kg	0.065	0.043	1	01/25/22 07:40	01/26/22 07:57	EPA 7471B	1,7471B	AC
Nickel, Total	2.65		mg/kg	1.98	0.192	2	01/25/22 05:30	01/26/22 14:53	EPA 3050B	1,6010D	EW
Potassium, Total	101	J	mg/kg	198	11.4	2	01/25/22 05:30	01/26/22 14:53	EPA 3050B	1,6010D	EW
Selenium, Total	ND		mg/kg	1.58	0.204	2	01/25/22 05:30	01/26/22 14:53	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	0.791	0.224	2	01/25/22 05:30	01/26/22 14:53	EPA 3050B	1,6010D	EW
Sodium, Total	21.9	J	mg/kg	158	2.49	2	01/25/22 05:30	01/26/22 14:53	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	1.58	0.249	2	01/25/22 05:30	01/26/22 14:53	EPA 3050B	1,6010D	EW
Vanadium, Total	4.00		mg/kg	0.791	0.161	2	01/25/22 05:30	01/26/22 14:53	EPA 3050B	1,6010D	EW
Zinc, Total	21.8		mg/kg	3.96	0.232	2	01/25/22 05:30	01/26/22 14:53	EPA 3050B	1,6010D	EW

Project Name: JMG BROOKLYN
Lab Number: L2203656
Project Number: 150550
Report Date: 01/31/22

SAMPLE RESULTS

Lab ID: L2203656-02
Client ID: WC-2
Sample Location: BROOKLYN, NY
Date Collected: 01/21/22 12:00
Date Received: 01/21/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 85%
TCLP/SPLP Ext. Date: 01/22/22 21:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	01/25/22 19:59	01/26/22 01:07	EPA 3015	1,6010D	MC
Barium, TCLP	0.136	J	mg/l	0.500	0.021	1	01/25/22 19:59	01/26/22 01:07	EPA 3015	1,6010D	MC
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	01/25/22 19:59	01/26/22 01:07	EPA 3015	1,6010D	MC
Chromium, TCLP	ND		mg/l	0.200	0.021	1	01/25/22 19:59	01/26/22 01:07	EPA 3015	1,6010D	MC
Lead, TCLP	ND		mg/l	0.500	0.027	1	01/25/22 19:59	01/26/22 01:07	EPA 3015	1,6010D	MC
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	01/25/22 18:37	01/26/22 08:10	EPA 7470A	1,7470A	AC
Selenium, TCLP	ND		mg/l	0.500	0.035	1	01/25/22 19:59	01/26/22 01:07	EPA 3015	1,6010D	MC
Silver, TCLP	ND		mg/l	0.100	0.028	1	01/25/22 19:59	01/26/22 01:07	EPA 3015	1,6010D	MC

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2203656
Report Date: 01/31/22

SAMPLE RESULTS

Lab ID: L2203656-02
Client ID: WC-2
Sample Location: BROOKLYN, NY
Date Collected: 01/21/22 12:00
Date Received: 01/21/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	1000		mg/kg	9.18	2.48	2	01/25/22 05:30	01/26/22 14:58	EPA 3050B	1,6010D	EW
Antimony, Total	ND		mg/kg	4.59	0.349	2	01/25/22 05:30	01/26/22 14:58	EPA 3050B	1,6010D	EW
Arsenic, Total	1.18		mg/kg	0.918	0.191	2	01/25/22 05:30	01/26/22 14:58	EPA 3050B	1,6010D	EW
Barium, Total	8.38		mg/kg	0.918	0.160	2	01/25/22 05:30	01/26/22 14:58	EPA 3050B	1,6010D	EW
Beryllium, Total	0.064	J	mg/kg	0.459	0.030	2	01/25/22 05:30	01/26/22 14:58	EPA 3050B	1,6010D	EW
Cadmium, Total	0.092	J	mg/kg	0.918	0.090	2	01/25/22 05:30	01/26/22 14:58	EPA 3050B	1,6010D	EW
Calcium, Total	286		mg/kg	9.18	3.21	2	01/25/22 05:30	01/26/22 14:58	EPA 3050B	1,6010D	EW
Chromium, Total	2.79		mg/kg	0.918	0.088	2	01/25/22 05:30	01/26/22 14:58	EPA 3050B	1,6010D	EW
Cobalt, Total	0.863	J	mg/kg	1.84	0.152	2	01/25/22 05:30	01/26/22 14:58	EPA 3050B	1,6010D	EW
Copper, Total	3.06		mg/kg	0.918	0.237	2	01/25/22 05:30	01/26/22 14:58	EPA 3050B	1,6010D	EW
Iron, Total	1990		mg/kg	4.59	0.829	2	01/25/22 05:30	01/26/22 14:58	EPA 3050B	1,6010D	EW
Lead, Total	4.86		mg/kg	4.59	0.246	2	01/25/22 05:30	01/26/22 14:58	EPA 3050B	1,6010D	EW
Magnesium, Total	498		mg/kg	9.18	1.41	2	01/25/22 05:30	01/26/22 14:58	EPA 3050B	1,6010D	EW
Manganese, Total	20.0		mg/kg	0.918	0.146	2	01/25/22 05:30	01/26/22 14:58	EPA 3050B	1,6010D	EW
Mercury, Total	ND		mg/kg	0.074	0.048	1	01/25/22 07:40	01/26/22 08:01	EPA 7471B	1,7471B	AC
Nickel, Total	2.80		mg/kg	2.29	0.222	2	01/25/22 05:30	01/26/22 14:58	EPA 3050B	1,6010D	EW
Potassium, Total	238		mg/kg	229	13.2	2	01/25/22 05:30	01/26/22 14:58	EPA 3050B	1,6010D	EW
Selenium, Total	ND		mg/kg	1.84	0.237	2	01/25/22 05:30	01/26/22 14:58	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	0.918	0.260	2	01/25/22 05:30	01/26/22 14:58	EPA 3050B	1,6010D	EW
Sodium, Total	108	J	mg/kg	184	2.89	2	01/25/22 05:30	01/26/22 14:58	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	1.84	0.289	2	01/25/22 05:30	01/26/22 14:58	EPA 3050B	1,6010D	EW
Vanadium, Total	3.40		mg/kg	0.918	0.186	2	01/25/22 05:30	01/26/22 14:58	EPA 3050B	1,6010D	EW
Zinc, Total	18.5		mg/kg	4.59	0.269	2	01/25/22 05:30	01/26/22 14:58	EPA 3050B	1,6010D	EW

Project Name: JMG BROOKLYN
Lab Number: L2203656
Project Number: 150550
Report Date: 01/31/22

SAMPLE RESULTS

Lab ID: L2203656-03
Client ID: WC-3
Sample Location: BROOKLYN, NY
Date Collected: 01/21/22 12:15
Date Received: 01/21/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%
TCLP/SPLP Ext. Date: 01/22/22 21:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	01/25/22 19:59	01/26/22 01:11	EPA 3015	1,6010D	MC
Barium, TCLP	0.720		mg/l	0.500	0.021	1	01/25/22 19:59	01/26/22 01:11	EPA 3015	1,6010D	MC
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	01/25/22 19:59	01/26/22 01:11	EPA 3015	1,6010D	MC
Chromium, TCLP	ND		mg/l	0.200	0.021	1	01/25/22 19:59	01/26/22 01:11	EPA 3015	1,6010D	MC
Lead, TCLP	0.275	J	mg/l	0.500	0.027	1	01/25/22 19:59	01/26/22 01:11	EPA 3015	1,6010D	MC
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	01/25/22 18:37	01/26/22 08:13	EPA 7470A	1,7470A	AC
Selenium, TCLP	ND		mg/l	0.500	0.035	1	01/25/22 19:59	01/26/22 01:11	EPA 3015	1,6010D	MC
Silver, TCLP	ND		mg/l	0.100	0.028	1	01/25/22 19:59	01/26/22 01:11	EPA 3015	1,6010D	MC

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2203656
Report Date: 01/31/22

SAMPLE RESULTS

Lab ID: L2203656-03
Client ID: WC-3
Sample Location: BROOKLYN, NY
Date Collected: 01/21/22 12:15
Date Received: 01/21/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	686		mg/kg	8.23	2.22	2	01/25/22 05:30	01/26/22 15:02	EPA 3050B	1,6010D	EW
Antimony, Total	ND		mg/kg	4.11	0.313	2	01/25/22 05:30	01/26/22 15:02	EPA 3050B	1,6010D	EW
Arsenic, Total	0.913		mg/kg	0.823	0.171	2	01/25/22 05:30	01/26/22 15:02	EPA 3050B	1,6010D	EW
Barium, Total	5.50		mg/kg	0.823	0.143	2	01/25/22 05:30	01/26/22 15:02	EPA 3050B	1,6010D	EW
Beryllium, Total	0.033	J	mg/kg	0.411	0.027	2	01/25/22 05:30	01/26/22 15:02	EPA 3050B	1,6010D	EW
Cadmium, Total	0.091	J	mg/kg	0.823	0.081	2	01/25/22 05:30	01/26/22 15:02	EPA 3050B	1,6010D	EW
Calcium, Total	125		mg/kg	8.23	2.88	2	01/25/22 05:30	01/26/22 15:02	EPA 3050B	1,6010D	EW
Chromium, Total	3.36		mg/kg	0.823	0.079	2	01/25/22 05:30	01/26/22 15:02	EPA 3050B	1,6010D	EW
Cobalt, Total	0.790	J	mg/kg	1.64	0.136	2	01/25/22 05:30	01/26/22 15:02	EPA 3050B	1,6010D	EW
Copper, Total	3.01		mg/kg	0.823	0.212	2	01/25/22 05:30	01/26/22 15:02	EPA 3050B	1,6010D	EW
Iron, Total	2150		mg/kg	4.11	0.743	2	01/25/22 05:30	01/26/22 15:02	EPA 3050B	1,6010D	EW
Lead, Total	11.9		mg/kg	4.11	0.220	2	01/25/22 05:30	01/26/22 15:02	EPA 3050B	1,6010D	EW
Magnesium, Total	233		mg/kg	8.23	1.27	2	01/25/22 05:30	01/26/22 15:02	EPA 3050B	1,6010D	EW
Manganese, Total	36.5		mg/kg	0.823	0.131	2	01/25/22 05:30	01/26/22 15:02	EPA 3050B	1,6010D	EW
Mercury, Total	ND		mg/kg	0.069	0.045	1	01/25/22 07:40	01/26/22 08:04	EPA 7471B	1,7471B	AC
Nickel, Total	1.99	J	mg/kg	2.06	0.199	2	01/25/22 05:30	01/26/22 15:02	EPA 3050B	1,6010D	EW
Potassium, Total	75.5	J	mg/kg	206	11.8	2	01/25/22 05:30	01/26/22 15:02	EPA 3050B	1,6010D	EW
Selenium, Total	ND		mg/kg	1.64	0.212	2	01/25/22 05:30	01/26/22 15:02	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	0.823	0.233	2	01/25/22 05:30	01/26/22 15:02	EPA 3050B	1,6010D	EW
Sodium, Total	10.9	J	mg/kg	164	2.59	2	01/25/22 05:30	01/26/22 15:02	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	1.64	0.259	2	01/25/22 05:30	01/26/22 15:02	EPA 3050B	1,6010D	EW
Vanadium, Total	2.92		mg/kg	0.823	0.167	2	01/25/22 05:30	01/26/22 15:02	EPA 3050B	1,6010D	EW
Zinc, Total	11.2		mg/kg	4.11	0.241	2	01/25/22 05:30	01/26/22 15:02	EPA 3050B	1,6010D	EW

Project Name: JMG BROOKLYN
Lab Number: L2203656
Project Number: 150550
Report Date: 01/31/22

SAMPLE RESULTS

Lab ID: L2203656-04
Client ID: WC-4
Sample Location: BROOKLYN, NY
Date Collected: 01/21/22 12:45
Date Received: 01/21/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 95%
TCLP/SPLP Ext. Date: 01/22/22 21:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	01/25/22 19:59	01/26/22 01:16	EPA 3015	1,6010D	MC
Barium, TCLP	1.70		mg/l	0.500	0.021	1	01/25/22 19:59	01/26/22 01:16	EPA 3015	1,6010D	MC
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	01/25/22 19:59	01/26/22 01:16	EPA 3015	1,6010D	MC
Chromium, TCLP	ND		mg/l	0.200	0.021	1	01/25/22 19:59	01/26/22 01:16	EPA 3015	1,6010D	MC
Lead, TCLP	9.66		mg/l	0.500	0.027	1	01/25/22 19:59	01/26/22 01:16	EPA 3015	1,6010D	MC
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	01/25/22 18:37	01/26/22 08:17	EPA 7470A	1,7470A	AC
Selenium, TCLP	ND		mg/l	0.500	0.035	1	01/25/22 19:59	01/26/22 01:16	EPA 3015	1,6010D	MC
Silver, TCLP	ND		mg/l	0.100	0.028	1	01/25/22 19:59	01/26/22 01:16	EPA 3015	1,6010D	MC

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2203656
Report Date: 01/31/22

SAMPLE RESULTS

Lab ID: L2203656-04
Client ID: WC-4
Sample Location: BROOKLYN, NY
Date Collected: 01/21/22 12:45
Date Received: 01/21/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2580		mg/kg	8.16	2.20	2	01/25/22 05:30	01/26/22 15:07	EPA 3050B	1,6010D	EW
Antimony, Total	ND		mg/kg	4.08	0.310	2	01/25/22 05:30	01/26/22 15:07	EPA 3050B	1,6010D	EW
Arsenic, Total	3.75		mg/kg	0.816	0.170	2	01/25/22 05:30	01/26/22 15:07	EPA 3050B	1,6010D	EW
Barium, Total	18.1		mg/kg	0.816	0.142	2	01/25/22 05:30	01/26/22 15:07	EPA 3050B	1,6010D	EW
Beryllium, Total	0.098	J	mg/kg	0.408	0.027	2	01/25/22 05:30	01/26/22 15:07	EPA 3050B	1,6010D	EW
Cadmium, Total	0.261	J	mg/kg	0.816	0.080	2	01/25/22 05:30	01/26/22 15:07	EPA 3050B	1,6010D	EW
Calcium, Total	19000		mg/kg	8.16	2.86	2	01/25/22 05:30	01/26/22 15:07	EPA 3050B	1,6010D	EW
Chromium, Total	5.48		mg/kg	0.816	0.078	2	01/25/22 05:30	01/26/22 15:07	EPA 3050B	1,6010D	EW
Cobalt, Total	2.40		mg/kg	1.63	0.135	2	01/25/22 05:30	01/26/22 15:07	EPA 3050B	1,6010D	EW
Copper, Total	14.4		mg/kg	0.816	0.210	2	01/25/22 05:30	01/26/22 15:07	EPA 3050B	1,6010D	EW
Iron, Total	5700		mg/kg	4.08	0.737	2	01/25/22 05:30	01/26/22 15:07	EPA 3050B	1,6010D	EW
Lead, Total	55.5		mg/kg	4.08	0.219	2	01/25/22 05:30	01/26/22 15:07	EPA 3050B	1,6010D	EW
Magnesium, Total	13400		mg/kg	8.16	1.26	2	01/25/22 05:30	01/26/22 15:07	EPA 3050B	1,6010D	EW
Manganese, Total	111		mg/kg	0.816	0.130	2	01/25/22 05:30	01/26/22 15:07	EPA 3050B	1,6010D	EW
Mercury, Total	0.048	J	mg/kg	0.066	0.043	1	01/25/22 07:40	01/26/22 08:07	EPA 7471B	1,7471B	AC
Nickel, Total	9.97		mg/kg	2.04	0.198	2	01/25/22 05:30	01/26/22 15:07	EPA 3050B	1,6010D	EW
Potassium, Total	330		mg/kg	204	11.8	2	01/25/22 05:30	01/26/22 15:07	EPA 3050B	1,6010D	EW
Selenium, Total	ND		mg/kg	1.63	0.210	2	01/25/22 05:30	01/26/22 15:07	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	0.816	0.231	2	01/25/22 05:30	01/26/22 15:07	EPA 3050B	1,6010D	EW
Sodium, Total	1090		mg/kg	163	2.57	2	01/25/22 05:30	01/26/22 15:07	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	1.63	0.257	2	01/25/22 05:30	01/26/22 15:07	EPA 3050B	1,6010D	EW
Vanadium, Total	9.44		mg/kg	0.816	0.166	2	01/25/22 05:30	01/26/22 15:07	EPA 3050B	1,6010D	EW
Zinc, Total	108		mg/kg	4.08	0.239	2	01/25/22 05:30	01/26/22 15:07	EPA 3050B	1,6010D	EW

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2203656
Report Date: 01/31/22

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-04 Batch: WG1597499-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	01/25/22 05:30	01/26/22 12:26	1,6010D	EW
Antimony, Total	ND		mg/kg	2.00	0.152	1	01/25/22 05:30	01/26/22 12:26	1,6010D	EW
Arsenic, Total	ND		mg/kg	0.400	0.083	1	01/25/22 05:30	01/26/22 12:26	1,6010D	EW
Barium, Total	ND		mg/kg	0.400	0.070	1	01/25/22 05:30	01/26/22 12:26	1,6010D	EW
Beryllium, Total	ND		mg/kg	0.200	0.013	1	01/25/22 05:30	01/26/22 12:26	1,6010D	EW
Cadmium, Total	ND		mg/kg	0.400	0.039	1	01/25/22 05:30	01/26/22 12:26	1,6010D	EW
Calcium, Total	ND		mg/kg	4.00	1.40	1	01/25/22 05:30	01/26/22 12:26	1,6010D	EW
Chromium, Total	ND		mg/kg	0.400	0.038	1	01/25/22 05:30	01/26/22 12:26	1,6010D	EW
Cobalt, Total	ND		mg/kg	0.800	0.066	1	01/25/22 05:30	01/26/22 12:26	1,6010D	EW
Copper, Total	ND		mg/kg	0.400	0.103	1	01/25/22 05:30	01/26/22 12:26	1,6010D	EW
Iron, Total	0.376	J	mg/kg	2.00	0.361	1	01/25/22 05:30	01/26/22 12:26	1,6010D	EW
Lead, Total	ND		mg/kg	2.00	0.107	1	01/25/22 05:30	01/26/22 12:26	1,6010D	EW
Magnesium, Total	ND		mg/kg	4.00	0.616	1	01/25/22 05:30	01/26/22 12:26	1,6010D	EW
Manganese, Total	0.076	J	mg/kg	0.400	0.064	1	01/25/22 05:30	01/26/22 12:26	1,6010D	EW
Nickel, Total	ND		mg/kg	1.00	0.097	1	01/25/22 05:30	01/26/22 12:26	1,6010D	EW
Potassium, Total	ND		mg/kg	100	5.76	1	01/25/22 05:30	01/26/22 12:26	1,6010D	EW
Selenium, Total	ND		mg/kg	0.800	0.103	1	01/25/22 05:30	01/26/22 12:26	1,6010D	EW
Silver, Total	ND		mg/kg	0.400	0.113	1	01/25/22 05:30	01/26/22 12:26	1,6010D	EW
Sodium, Total	2.08	J	mg/kg	80.0	1.26	1	01/25/22 05:30	01/26/22 12:26	1,6010D	EW
Thallium, Total	ND		mg/kg	0.800	0.126	1	01/25/22 05:30	01/26/22 12:26	1,6010D	EW
Vanadium, Total	ND		mg/kg	0.400	0.081	1	01/25/22 05:30	01/26/22 12:26	1,6010D	EW
Zinc, Total	ND		mg/kg	2.00	0.117	1	01/25/22 05:30	01/26/22 12:26	1,6010D	EW

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-04 Batch: WG1597501-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	01/25/22 07:40	01/26/22 06:38	1,7471B	AC

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2203656
Report Date: 01/31/22

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01-04 Batch: WG1597748-1										
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	01/25/22 19:59	01/25/22 23:20	1,6010D	MC
Barium, TCLP	ND		mg/l	0.500	0.021	1	01/25/22 19:59	01/25/22 23:20	1,6010D	MC
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	01/25/22 19:59	01/25/22 23:20	1,6010D	MC
Chromium, TCLP	ND		mg/l	0.200	0.021	1	01/25/22 19:59	01/25/22 23:20	1,6010D	MC
Lead, TCLP	ND		mg/l	0.500	0.027	1	01/25/22 19:59	01/25/22 23:20	1,6010D	MC
Selenium, TCLP	ND		mg/l	0.500	0.035	1	01/25/22 19:59	01/25/22 23:20	1,6010D	MC
Silver, TCLP	ND		mg/l	0.100	0.028	1	01/25/22 19:59	01/25/22 23:20	1,6010D	MC

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 01/21/22 04:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01-04 Batch: WG1597750-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	01/25/22 18:37	01/26/22 07:33	1,7470A	AC

Prep Information

Digestion Method: EPA 7470A
TCLP/SPLP Extraction Date: 01/21/22 04:40

Lab Control Sample Analysis

Batch Quality Control

Project Name: JMG BROOKLYN

Project Number: 150550

Lab Number: L2203656

Report Date: 01/31/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1597499-2 SRM Lot Number: D113-540								
Aluminum, Total	67		-		51-149	-		
Antimony, Total	143		-		20-250	-		
Arsenic, Total	88		-		70-130	-		
Barium, Total	84		-		75-125	-		
Beryllium, Total	84		-		75-125	-		
Cadmium, Total	84		-		75-125	-		
Calcium, Total	86		-		73-128	-		
Chromium, Total	82		-		70-130	-		
Cobalt, Total	86		-		75-125	-		
Copper, Total	88		-		75-125	-		
Iron, Total	81		-		36-164	-		
Lead, Total	85		-		72-128	-		
Magnesium, Total	78		-		63-138	-		
Manganese, Total	85		-		77-123	-		
Nickel, Total	86		-		70-130	-		
Potassium, Total	81		-		59-141	-		
Selenium, Total	84		-		66-134	-		
Silver, Total	88		-		70-131	-		
Sodium, Total	87		-		35-164	-		
Thallium, Total	85		-		70-130	-		
Vanadium, Total	82		-		74-126	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: JMG BROOKLYN

Project Number: 150550

Lab Number: L2203656

Report Date: 01/31/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1597499-2 SRM Lot Number: D113-540					
Zinc, Total	84	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1597501-2 SRM Lot Number: D113-540					
Mercury, Total	95	-	60-140	-	
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-04 Batch: WG1597748-2					
Arsenic, TCLP	110	-	75-125	-	20
Barium, TCLP	110	-	75-125	-	20
Cadmium, TCLP	102	-	75-125	-	20
Chromium, TCLP	101	-	75-125	-	20
Lead, TCLP	99	-	75-125	-	20
Selenium, TCLP	108	-	75-125	-	20
Silver, TCLP	100	-	75-125	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-04 Batch: WG1597750-2					
Mercury, TCLP	97	-	80-120	-	

INORGANICS
&
MISCELLANEOUS

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2203656
Report Date: 01/31/22

SAMPLE RESULTS

Lab ID: L2203656-01
Client ID: WC-1
Sample Location: BROOKLYN, NY
Date Collected: 01/21/22 09:00
Date Received: 01/21/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Sand
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	01/25/22 16:50	1,1030	MD

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2203656
Report Date: 01/31/22

SAMPLE RESULTS

Lab ID: L2203656-02
Client ID: WC-2
Sample Location: BROOKLYN, NY
Date Collected: 01/21/22 12:00
Date Received: 01/21/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Sand
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	01/25/22 16:50	1,1030	MD

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2203656
Report Date: 01/31/22

SAMPLE RESULTS

Lab ID: L2203656-03
Client ID: WC-3
Sample Location: BROOKLYN, NY
Date Collected: 01/21/22 12:15
Date Received: 01/21/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Sand
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	01/25/22 16:50	1,1030	MD

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2203656
Report Date: 01/31/22

SAMPLE RESULTS

Lab ID: L2203656-04
Client ID: WC-4
Sample Location: BROOKLYN, NY

Date Collected: 01/21/22 12:45
Date Received: 01/21/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Sand
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	01/25/22 16:50	1,1030	MD

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2203656
Report Date: 01/31/22

SAMPLE RESULTS

Lab ID: L2203656-01
Client ID: WC-1
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 01/21/22 09:00
Date Received: 01/21/22
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.8		%	0.100	NA	1	-	01/22/22 12:57	121,2540G	RI
pH (H)	6.6		SU	-	NA	1	-	01/24/22 08:30	1,9045D	KP
Cyanide, Reactive	ND		mg/kg	10	10.	1	01/27/22 11:00	01/27/22 14:23	125,7.3	MJ
Sulfide, Reactive	ND		mg/kg	10	10.	1	01/27/22 11:00	01/27/22 13:49	125,7.3	MJ

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2203656
Report Date: 01/31/22

SAMPLE RESULTS

Lab ID: L2203656-02
Client ID: WC-2
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 01/21/22 12:00
Date Received: 01/21/22
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.8		%	0.100	NA	1	-	01/22/22 08:44	121,2540G	RI
pH (H)	8.4		SU	-	NA	1	-	01/24/22 08:30	1,9045D	KP
Cyanide, Reactive	ND		mg/kg	10	10.	1	01/27/22 11:00	01/27/22 14:24	125,7.3	MJ
Sulfide, Reactive	ND		mg/kg	10	10.	1	01/27/22 11:00	01/27/22 13:49	125,7.3	MJ

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2203656
Report Date: 01/31/22

SAMPLE RESULTS

Lab ID: L2203656-03
Client ID: WC-3
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 01/21/22 12:15
Date Received: 01/21/22
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.6		%	0.100	NA	1	-	01/22/22 08:44	121,2540G	RI
pH (H)	8.1		SU	-	NA	1	-	01/24/22 08:30	1,9045D	KP
Cyanide, Reactive	ND		mg/kg	10	10.	1	01/27/22 11:00	01/27/22 14:24	125,7.3	MJ
Sulfide, Reactive	ND		mg/kg	10	10.	1	01/27/22 11:00	01/27/22 13:50	125,7.3	MJ
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	01/24/22 17:13	1,9095B	AS

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2203656
Report Date: 01/31/22

SAMPLE RESULTS

Lab ID: L2203656-04
Client ID: WC-4
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 01/21/22 12:45
Date Received: 01/21/22
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.2		%	0.100	NA	1	-	01/22/22 08:44	121,2540G	RI
pH (H)	8.0		SU	-	NA	1	-	01/24/22 08:30	1,9045D	KP
Cyanide, Reactive	ND		mg/kg	10	10.	1	01/27/22 11:00	01/27/22 14:25	125,7.3	MJ
Sulfide, Reactive	ND		mg/kg	10	10.	1	01/27/22 11:00	01/27/22 13:50	125,7.3	MJ

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2203656
Report Date: 01/31/22

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-04 Batch: WG1598727-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	01/27/22 11:00	01/27/22 13:47	125,7.3	MJ
General Chemistry - Westborough Lab for sample(s): 01-04 Batch: WG1598728-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	01/27/22 11:00	01/27/22 14:22	125,7.3	MJ

Lab Control Sample Analysis

Batch Quality Control

Project Name: JMG BROOKLYN

Project Number: 150550

Lab Number: L2203656

Report Date: 01/31/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 Batch: WG1597270-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-04 Batch: WG1598727-2								
Sulfide, Reactive	68		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-04 Batch: WG1598728-2								
Cyanide, Reactive	74		-		30-125	-		40

Project Name: JMG BROOKLYN
Project Number: 150550

Lab Number: L2203656
Report Date: 01/31/22

Sample Receipt and Container Information

Were project specific reporting limits specified? NO

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2203656-01A	Vial MeOH preserved	A	NA		2.0	Y	Absent		NYTCL-8260HLW(14)
L2203656-01B	Vial water preserved	A	NA		2.0	Y	Absent	22-JAN-22 04:59	NYTCL-8260HLW(14)
L2203656-01C	Vial water preserved	A	NA		2.0	Y	Absent	22-JAN-22 04:59	NYTCL-8260HLW(14)
L2203656-01D	Plastic 2oz unpreserved for TS	A	NA		2.0	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),CR-TI(180),SE-TI(180),ZN-TI(180),PB-TI(180),CU-TI(180),SB-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MN-TI(180),MG-TI(180),HG-T(28),K-TI(180),NA-TI(180),CA-TI(180),CD-TI(180)
L2203656-01E	Glass 250ml/8oz unpreserved	A	NA		2.0	Y	Absent		HOLD-CONTINGENCY(14),IGNIT-1030(14),REACTS(14),NYTCL-8270(14),HERB-APA(14),TPH-DRO(14),TS(7),PH-9045(1),NYTCL-8081(14),NYTCL-8082(365),REACTCN(14)
L2203656-01F	Glass 250ml/8oz unpreserved	A	NA		2.0	Y	Absent		HOLD-CONTINGENCY(14),IGNIT-1030(14),REACTS(14),NYTCL-8270(14),HERB-APA(14),TPH-DRO(14),TS(7),PH-9045(1),NYTCL-8081(14),NYTCL-8082(365),REACTCN(14)
L2203656-01W	Plastic 120ml HNO3 preserved Extracts	A	NA		2.0	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L2203656-01X9	Tumble Vessel	A	NA		2.0	Y	Absent		-
L2203656-02A	Vial MeOH preserved	A	NA		2.0	Y	Absent		NYTCL-8260HLW(14)
L2203656-02B	Vial water preserved	A	NA		2.0	Y	Absent	22-JAN-22 04:59	NYTCL-8260HLW(14)
L2203656-02C	Vial water preserved	A	NA		2.0	Y	Absent	22-JAN-22 04:59	NYTCL-8260HLW(14)
L2203656-02D	Plastic 2oz unpreserved for TS	A	NA		2.0	Y	Absent		TS(7)
L2203656-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.0	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),AL-TI(180),PB-TI(180),CU-TI(180),SB-TI(180),ZN-TI(180),SE-TI(180),V-TI(180),CO-TI(180),MG-TI(180),HG-T(28),MN-TI(180),FE-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: JMG BROOKLYN
Project Number: 150550

Lab Number: L2203656
Report Date: 01/31/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2203656-02F	Vial Large Septa unpreserved (4oz)	A	NA		2.0	Y	Absent		IGNIT-1030(14),REACTS(14),NYTCL-8270(14),HOLD-CONTINGENCY(14),HERB-APA(14),TPH-DRO(14),PH-9045(1),NYTCL-8081(14),NYTCL-8082(365),REACTCN(14)
L2203656-02G	Glass 500ml/16oz unpreserved	A	NA		2.0	Y	Absent		IGNIT-1030(14),REACTS(14),NYTCL-8270(14),HOLD-CONTINGENCY(14),HERB-APA(14),TPH-DRO(14),PH-9045(1),NYTCL-8081(14),NYTCL-8082(365),REACTCN(14)
L2203656-02W	Plastic 120ml HNO3 preserved Extracts	A	NA		2.0	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L2203656-02X9	Tumble Vessel	A	NA		2.0	Y	Absent		-
L2203656-03A	Vial MeOH preserved	A	NA		2.0	Y	Absent		NYTCL-8260HLW(14)
L2203656-03B	Vial water preserved	A	NA		2.0	Y	Absent	22-JAN-22 04:59	NYTCL-8260HLW(14)
L2203656-03C	Vial water preserved	A	NA		2.0	Y	Absent	22-JAN-22 04:59	NYTCL-8260HLW(14)
L2203656-03D	Plastic 2oz unpreserved for TS	A	NA		2.0	Y	Absent		TS(7)
L2203656-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.0	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),PB-TI(180),CU-TI(180),ZN-TI(180),SE-TI(180),SB-TI(180),CO-TI(180),V-TI(180),MG-TI(180),HG-T(28),FE-TI(180),MN-TI(180),CD-TI(180),CA-TI(180),K-TI(180),NA-TI(180)
L2203656-03F	Vial Large Septa unpreserved (4oz)	A	NA		2.0	Y	Absent		REACTS(14),IGNIT-1030(14),HOLD-CONTINGENCY(14),NYTCL-8270(14),HERB-APA(14),TPH-DRO(14),PH-9045(1),PAINTF(),NYTCL-8081(14),NYTCL-8082(365),REACTCN(14)
L2203656-03G	Glass 500ml/16oz unpreserved	A	NA		2.0	Y	Absent		REACTS(14),IGNIT-1030(14),HOLD-CONTINGENCY(14),NYTCL-8270(14),HERB-APA(14),TPH-DRO(14),PH-9045(1),PAINTF(),NYTCL-8081(14),NYTCL-8082(365),REACTCN(14)
L2203656-03W	Plastic 120ml HNO3 preserved Extracts	A	NA		2.0	Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L2203656-03X9	Tumble Vessel	A	NA		2.0	Y	Absent		-
L2203656-04A	Vial MeOH preserved	A	NA		2.0	Y	Absent		NYTCL-8260HLW(14)
L2203656-04B	Vial water preserved	A	NA		2.0	Y	Absent	22-JAN-22 04:59	NYTCL-8260HLW(14)
L2203656-04C	Vial water preserved	A	NA		2.0	Y	Absent	22-JAN-22 04:59	NYTCL-8260HLW(14)
L2203656-04D	Plastic 2oz unpreserved for TS	A	NA		2.0	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: JMG BROOKLYN
Project Number: 150550

Lab Number: L2203656
Report Date: 01/31/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2203656-04E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.0	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),MN-TI(180),HG-T(28),FE-TI(180),MG-TI(180),CA-TI(180),K-TI(180),CD-TI(180),NA-TI(180)
L2203656-04F	Vial Large Septa unpreserved (4oz)	A	NA		2.0	Y	Absent		HOLD-CONTINGENCY(14),REACTS(14),IGNIT-1030(14),NYTCL-8270(14),HERB-APA(14),TPH-DRO(14),PH-9045(1),NYTCL-8081(14),NYTCL-8082(365),REACTCN(14)
L2203656-04G	Glass 500ml/16oz unpreserved	A	NA		2.0	Y	Absent		HOLD-CONTINGENCY(14),REACTS(14),IGNIT-1030(14),NYTCL-8270(14),HERB-APA(14),TPH-DRO(14),PH-9045(1),NYTCL-8081(14),NYTCL-8082(365),REACTCN(14)
L2203656-04W	Plastic 120ml HNO3 preserved Extracts	A	NA		2.0	Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L2203656-04X9	Tumble Vessel	A	NA		2.0	Y	Absent		-

*Values in parentheses indicate holding time in days

Project Name:	JMG BROOKLYN	**Lab Number:**	L2203656
Project Number:	150550	**Report Date:**	01/31/22

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	JMG BROOKLYN	**Lab Number:**	L2203656
Project Number:	150550	**Report Date:**	01/31/22

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	JMG BROOKLYN	**Lab Number:**	L2203656
Project Number:	150550	**Report Date:**	01/31/22

Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers

Project Name:	JMG BROOKLYN	**Lab Number:**	L2203656
Project Number:	150550	**Report Date:**	01/31/22

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

125 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates IIIA, April 1998.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW JERSEY CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193

Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 1/22/22

ALPHA Job #: L2203656

Client Information
Client: Envocare
Address: 1527 Route 27
Somerset NJ
Phone:
Fax:
Email: mthurston@envocarenj.com

Project Information
Project Name: JMG Brooklyn
Project Location: Brooklyn, NY
Project #: 150150
(Use Project name as Project #) ☐
Project Manager: D. Patel
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☒ NJ Full / Reduced
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ SRS Residential/Non Residential
☐ SRS Impact to Groundwater
☐ NJ Ground Water Quality Standards
☐ NJ IGW SPLP Leachate Criteria
☐ Other NY DEC

Billing Information
☐ Same as Client Info
PO #

Site Information
Is this site impacted by Petroleum? Yes ☐
Petroleum Product:

These samples have been previously analyzed by Alpha ☐

For EPH, selection is REQUIRED:
☐ Category 1
☐ Category 2

For VOC, selection is REQUIRED:
☐ 1,4-Dioxane
☐ 8011

Other project specific requirements/comments:
Please specify Metals or TAL.

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TPH	Hex Chrome	Paint Filter						Sample Specific Comments	Total Bottle
03656-01	WC-1	1/21/22	0902	S	MT	X	X							Hold Hex Chrome analyses	
02	WC-2	↓	1200	↓	↓	X	X								
03	WC-3		12,5			X	X	X							
04	WC-4		1245			X	X								

Container Type
Preservative

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
ATAK	1/21/22 1534	TOMCAT AAL	1-22 1534
TOMCAT AAL	1-21-22 18:00		1-21- 18:00
	21 - 2100	Yuritzy Rivera	1/21/22 2300
Yuritzy Rivera	1/21/22		1/22/2200

1/22/22 0301 — 1/22/22 0230

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-14 HC (rev. 30-Sept-2013)

JOB: L2209984 REPORT STYLE: Data Usability Report
0010: Alpha Analytical Report Cover Page - OK
0015: Sample Cross Reference Summary - OK
0060: Case Narrative - OK
1005: Metals Sample Results - OK
1010: Metals Method Blank Report - OK
1020: Metals LCS Report - OK
1040: Metals Matrix Spike Report - OK
1050: Metals Duplicate Report - OK
1180: Inorganics Cover Page - OK
1200: Wet Chemistry Sample Results - OK
1250: Wet Chemistry Duplicate Report - OK
5100: Sample Receipt & Container Information Report - OK
5200: Glossary - OK
5400: References - OK

ANALYTICAL REPORT

Lab Number:	L2209984
Client:	Envocare 1527 Route 27 Suite 105 Somerset, NJ 08873
ATTN:	Devang Patel
Phone:	(732) 253-5740
Project Name:	JMG BROOKLYN
Project Number:	150550
Report Date:	03/08/22

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Project Name: JMG BROOKLYN
Project Number: 150550

Lab Number: L2209984
Report Date: 03/08/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2209984-01	SB4-S	SOIL	BROOKLYN, NY	02/24/22 09:15	02/24/22
L2209984-02	SB4-S2	SOIL	BROOKLYN, NY	02/24/22 09:00	02/24/22
L2209984-03	SB4-N	SOIL	BROOKLYN, NY	02/24/22 10:15	02/24/22
L2209984-04	SB4-N2	SOIL	BROOKLYN, NY	02/24/22 10:30	02/24/22
L2209984-05	SB4-E	SOIL	BROOKLYN, NY	02/24/22 09:30	02/24/22
L2209984-06	SB4-W	SOIL	BROOKLYN, NY	02/24/22 09:45	02/24/22

Project Name:	JMG BROOKLYN	**Lab Number:**	L2209984
Project Number:	150550	**Report Date:**	03/08/22

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2209984
Report Date: 03/08/22

Case Narrative (continued)

Report Submission

March 08, 2022: This is a preliminary report.

March 07, 2022: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L2209984-01 through -06: The collection time was obtained from the container labels.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Caitlin Walukevich

Title: Technical Director/Representative Date: 03/08/22

METALS

Project Name: JMG BROOKLYN
Lab Number: L2209984
Project Number: 150550
Report Date: 03/08/22

SAMPLE RESULTS

Lab ID: L2209984-01
Client ID: SB4-S
Sample Location: BROOKLYN, NY
Date Collected: 02/24/22 09:15
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%
TCLP/SPLP Ext. Date: 03/01/22 04:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	0.051	J	mg/l	0.500	0.027	1	03/03/22 08:44	03/03/22 14:18	EPA 3015	1,6010D	EW

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2209984
Report Date: 03/08/22

SAMPLE RESULTS

Lab ID: L2209984-01
Client ID: SB4-S
Sample Location: BROOKLYN, NY
Date Collected: 02/24/22 09:15
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	98.8		mg/kg	2.09	0.112	1	03/01/22 20:01	03/08/22 13:43	EPA 3050B	1,6010D	SV

Project Name: JMG BROOKLYN
Lab Number: L2209984
Project Number: 150550
Report Date: 03/08/22

SAMPLE RESULTS

Lab ID: L2209984-02
Client ID: SB4-S2
Sample Location: BROOKLYN, NY
Date Collected: 02/24/22 09:00
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%
TCLP/SPLP Ext. Date: 03/01/22 04:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	0.935		mg/l	0.500	0.027	1	03/03/22 08:44	03/03/22 14:23	EPA 3015	1,6010D	EW

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2209984
Report Date: 03/08/22

SAMPLE RESULTS

Lab ID: L2209984-02
Client ID: SB4-S2
Sample Location: BROOKLYN, NY
Date Collected: 02/24/22 09:00
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	224		mg/kg	2.16	0.116	1	03/01/22 20:01	03/08/22 13:47	EPA 3050B	1,6010D	SV

Project Name: JMG BROOKLYN
Lab Number: L2209984
Project Number: 150550
Report Date: 03/08/22

SAMPLE RESULTS

Lab ID: L2209984-03
Client ID: SB4-N
Sample Location: BROOKLYN, NY
Date Collected: 02/24/22 10:15
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%
TCLP/SPLP Ext. Date: 03/01/22 04:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	ND		mg/l	0.500	0.027	1	03/03/22 08:44	03/03/22 14:28	EPA 3015	1,6010D	EW

Project Name: JMG BROOKLYN
Lab Number: L2209984
Project Number: 150550
Report Date: 03/08/22

SAMPLE RESULTS

Lab ID: L2209984-03
Client ID: SB4-N
Sample Location: BROOKLYN, NY
Date Collected: 02/24/22 10:15
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	20.0		mg/kg	2.16	0.116	1	03/01/22 20:01	03/08/22 14:49	EPA 3050B	1,6010D	SV

Project Name: JMG BROOKLYN
Lab Number: L2209984
Project Number: 150550
Report Date: 03/08/22

SAMPLE RESULTS

Lab ID: L2209984-04
Client ID: SB4-N2
Sample Location: BROOKLYN, NY
Date Collected: 02/24/22 10:30
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%
TCLP/SPLP Ext. Date: 03/01/22 04:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	0.167	J	mg/l	0.500	0.027	1	03/03/22 08:44	03/03/22 15:03	EPA 3015	1,6010D	EW

Project Name: JMG BROOKLYN
Lab Number: L2209984
Project Number: 150550
Report Date: 03/08/22

SAMPLE RESULTS

Lab ID: L2209984-04
Client ID: SB4-N2
Sample Location: BROOKLYN, NY
Date Collected: 02/24/22 10:30
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	230		mg/kg	2.10	0.112	1	03/01/22 20:01	03/08/22 14:54	EPA 3050B	1,6010D	SV

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2209984
Report Date: 03/08/22

SAMPLE RESULTS

Lab ID: L2209984-05
Client ID: SB4-E
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil
Percent Solids: 87%

Date Collected: 02/24/22 09:30
Date Received: 02/24/22
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 03/01/22 04:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	0.058	J	mg/l	0.500	0.027	1	03/03/22 08:44	03/03/22 15:08	EPA 3015	1,6010D	EW

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2209984
Report Date: 03/08/22

SAMPLE RESULTS

Lab ID: L2209984-05
Client ID: SB4-E
Sample Location: BROOKLYN, NY
Date Collected: 02/24/22 09:30
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	49.1		mg/kg	2.28	0.122	1	03/01/22 20:01	03/08/22 15:30	EPA 3050B	1,6010D	SV

Project Name: JMG BROOKLYN
Lab Number: L2209984
Project Number: 150550
Report Date: 03/08/22

SAMPLE RESULTS

Lab ID: L2209984-06
Client ID: SB4-W
Sample Location: BROOKLYN, NY
Date Collected: 02/24/22 09:45
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 88%
TCLP/SPLP Ext. Date: 03/01/22 04:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	ND		mg/l	0.500	0.027	1	03/03/22 08:44	03/03/22 15:12	EPA 3015	1,6010D	EW

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2209984
Report Date: 03/08/22

SAMPLE RESULTS

Lab ID: L2209984-06
Client ID: SB4-W
Sample Location: BROOKLYN, NY
Date Collected: 02/24/22 09:45
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	10.9		mg/kg	2.27	0.122	1	03/01/22 20:01	03/08/22 15:34	EPA 3050B	1,6010D	SV

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2209984
Report Date: 03/08/22

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-06 Batch: WG1610252-1										
Lead, Total	ND		mg/kg	2.00	0.107	1	03/01/22 20:01	03/08/22 14:36	1,6010D	SV

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01-06 Batch: WG1610746-1										
Lead, TCLP	ND		mg/l	0.500	0.027	1	03/03/22 08:44	03/03/22 13:21	1,6010D	EW

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 02/28/22 15:51

Lab Control Sample Analysis

Batch Quality Control

Project Name: JMG BROOKLYN

Project Number: 150550

Lab Number: L2209984

Report Date: 03/08/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1610252-2 SRM Lot Number: D113-540								
Lead, Total	89		-		72-128	-		
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-06 Batch: WG1610746-2								
Lead, TCLP	90		-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: JMG BROOKLYN
Project Number: 150550

Lab Number: L2209984
Report Date: 03/08/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1610252-3 QC Sample: L2210168-02 Client ID: MS Sample												
Lead, Total	624	50.4	536	**0**	Q	-	-		75-125	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1610746-3 QC Sample: L2209864-01 Client ID: MS Sample												
Lead, TCLP	0.701	5.3	5.48	90		-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: JMG BROOKLYN

Project Number: 150550

Lab Number: L2209984

Report Date: 03/08/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1610252-4 QC Sample: L2210168-02 Client ID: DUP Sample						
Lead, Total	624	3070	mg/kg	**132**	Q	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1610746-4 QC Sample: L2209864-01 Client ID: DUP Sample						
Lead, TCLP	0.701	0.717	mg/l	2		20

INORGANICS
&
MISCELLANEOUS

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2209984
Report Date: 03/08/22

SAMPLE RESULTS

Lab ID: L2209984-01
Client ID: SB4-S
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil
Date Collected: 02/24/22 09:15
Date Received: 02/24/22
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.4		%	0.100	NA	1	-	03/01/22 11:58	121,2540G	RI

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2209984
Report Date: 03/08/22

SAMPLE RESULTS

Lab ID: L2209984-02
Client ID: SB4-S2
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil
Date Collected: 02/24/22 09:00
Date Received: 02/24/22
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.9		%	0.100	NA	1	-	03/01/22 11:58	121,2540G	RI

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2209984
Report Date: 03/08/22

SAMPLE RESULTS

Lab ID: L2209984-03
Client ID: SB4-N
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil
Date Collected: 02/24/22 10:15
Date Received: 02/24/22
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.3		%	0.100	NA	1	-	03/01/22 11:58	121,2540G	RI

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2209984
Report Date: 03/08/22

SAMPLE RESULTS

Lab ID: L2209984-04
Client ID: SB4-N2
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil
Date Collected: 02/24/22 10:30
Date Received: 02/24/22
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.0		%	0.100	NA	1	-	03/01/22 11:58	121,2540G	RI

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2209984
Report Date: 03/08/22

SAMPLE RESULTS

Lab ID: L2209984-05
Client ID: SB4-E
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil
Date Collected: 02/24/22 09:30
Date Received: 02/24/22
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.6		%	0.100	NA	1	-	03/01/22 11:58	121,2540G	RI

Project Name: JMG BROOKLYN
Project Number: 150550
Lab Number: L2209984
Report Date: 03/08/22

SAMPLE RESULTS

Lab ID: L2209984-06
Client ID: SB4-W
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil
Date Collected: 02/24/22 09:45
Date Received: 02/24/22
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.7		%	0.100	NA	1	-	03/01/22 11:58	121,2540G	RI

Lab Duplicate Analysis

Batch Quality Control

Project Name: JMG BROOKLYN

Project Number: 150550

Lab Number: L2209984

Report Date: 03/08/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1610090-1 QC Sample: L2209967-01 Client ID: DUP Sample						
Solids, Total	86.7	87.3	%	1		20

Project Name: JMG BROOKLYN
Project Number: 150550

Lab Number: L2209984
Report Date: 03/08/22

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2209984-01A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		HOLD-WETCHEM(),TS(7)
L2209984-01W	Glass 60ml unpreserved split	A	NA		3.0	Y	Absent		PB-TI(180)
L2209984-01X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.0	Y	Absent		PB-CI(180)
L2209984-01X9	Tumble Vessel	A	NA		3.0	Y	Absent		-
L2209984-02A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		HOLD-WETCHEM(),TS(7)
L2209984-02W	Glass 60ml unpreserved split	A	NA		3.0	Y	Absent		PB-TI(180)
L2209984-02X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.0	Y	Absent		PB-CI(180)
L2209984-02X9	Tumble Vessel	A	NA		3.0	Y	Absent		-
L2209984-03A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		HOLD-WETCHEM(),TS(7)
L2209984-03W	Glass 60ml unpreserved split	A	NA		3.0	Y	Absent		PB-TI(180)
L2209984-03X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.0	Y	Absent		PB-CI(180)
L2209984-03X9	Tumble Vessel	A	NA		3.0	Y	Absent		-
L2209984-04A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		HOLD-WETCHEM(),TS(7)
L2209984-04W	Glass 60ml unpreserved split	A	NA		3.0	Y	Absent		PB-TI(180)
L2209984-04X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.0	Y	Absent		PB-CI(180)
L2209984-04X9	Tumble Vessel	A	NA		3.0	Y	Absent		-
L2209984-05A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		HOLD-WETCHEM(),TS(7)
L2209984-05W	Glass 60ml unpreserved split	A	NA		3.0	Y	Absent		PB-TI(180)
L2209984-05X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.0	Y	Absent		PB-CI(180)
L2209984-05X9	Tumble Vessel	A	NA		3.0	Y	Absent		-
L2209984-06A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		HOLD-WETCHEM(),TS(7)
L2209984-06W	Glass 60ml unpreserved split	A	NA		3.0	Y	Absent		PB-TI(180)
L2209984-06X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.0	Y	Absent		PB-CI(180)

*Values in parentheses indicate holding time in days

Project Name: JMG BROOKLYN
Project Number: 150550

Lab Number: L2209984
Report Date: 03/08/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2209984-06X9	Tumble Vessel	A	NA		3.0	Y	Absent		-

*Values in parentheses indicate holding time in days

Project Name:	JMG BROOKLYN	**Lab Number:**	L2209984
Project Number:	150550	**Report Date:**	03/08/22

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	JMG BROOKLYN	**Lab Number:**	L2209984
Project Number:	150550	**Report Date:**	03/08/22

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	JMG BROOKLYN	**Lab Number:**	L2209984
Project Number:	150550	**Report Date:**	03/08/22

Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers

Project Name:	JMG BROOKLYN	**Lab Number:**	L2209984
Project Number:	150550	**Report Date:**	03/08/22

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW JERSEY CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 2/24/22

ALPHA Job #: L2209984

Client Information

Client: Envocare
Address: 1527 Route 27
Somerset NJ
Phone:
Fax:
Email: Mthurston@envocare.com

Project Information

Project Name: JH6 Brooklyn
Project Location: Brooklyn NY
Project #: 150550
(Use Project name as Project #)
Project Manager: D. Pahl
ALPHAQuote #: Tara Parks

Turn-Around Time

Standard: X
Rush (only if pre approved):
Due Date:
# of Days:

Deliverables

- [X] NJ Full (Reduced)
- [ ] EQuIS (1 File)
- [ ] EQuIS (4 File)
- [ ] Other

Billing Information

- [ ] Same as Client Info

PO #

Regulatory Requirement

- [X] SRS Residential/Non Residential
- [X] SRS Impact to Groundwater
- [ ] NJ Ground Water Quality Standards
- [ ] NJ IGW SPLP Leachate Criteria
- [ ] Other

Site Information

Is this site impacted by Petroleum? Yes [ ]

Petroleum Product:

These samples have been previously analyzed by Alpha [ ]

For EPH, selection is REQUIRED:
- [ ] Category 1
- [ ] Category 2

For VOC, selection is REQUIRED:
- [ ] 1,4-Dioxane
- [ ] 8011

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
- [ ] Done
- [ ] Lab to do

Preservation
- [ ] Lab to do

(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Lead	TCLP Lead	Hex Chrome						Sample Specific Comments	Total Bottle
09984-01	SB4-S	2/24/22		S	MT	X	X	H						Hold all Hex Chrome analysis	
-02	SB4-S2					X	X	H							
-03	SB4-N					X	X	H							
-04	SB4-N2					X	X	H							
-05	SB4-E					X	X	H							
-06	SB4-W					X	X	H							

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type									
Preservative									

Relinquished By:	Date/Time	Received By:	Date/Time
	2/24/22 1435		2/24/22 1435
	2/24/22 1451	Paul Mascelli	2/24/22 1900
Paul Mascelli	2/24/22 2335		2/24/22 2335

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-14 HC (rev. 30-Sept-2013)