

November 13, 2023

Revised: March 25, 2024

Paul Jorgensen
Silver Petrucelli + Associates
3190 Whitney Avenue, Building 2
Hamden, CT 06518

**RE: In-Situ Waste Classification Soil Sampling
Old Greenwich School
Greenwich, Connecticut
Langan Project No.: 140265801**

Dear Paul:

Langan CT, Inc. (Langan) was engaged by the town of Greenwich to collect soil samples from an area at the Old Greenwich School (OGS) at 285 Sound Beach Avenue in Greenwich (the "Site"). The investigation area was within an area of proposed excavation for a proposed building addition. The purpose of the sampling was to complete in-situ waste classification of the soil and groundwater prior to planned construction activities. The following is a summary of the sampling event and analytical results of the soil and groundwater.

Soil Sampling

On September 25, 2023, five soil borings (LB-01 through LB-05) were advanced in the planned excavation area at OGS. The soil borings were advanced using a truck-mounted, direct-push drill rig by Cisco Geotechnical, LLC (Cisco) of Glastonbury, Connecticut. Soil borings were advanced up to 12 feet below ground surface (bgs) and soil cores were collected continuously from the ground surface. Soil samples retrieved from each boring were classified for soil type, grain size, moisture, and texture. Each soil core was screened for volatile organic compounds (VOCs) using a photoionization detector (PID) equipped with a 10.6-electron volt (eV) lamp. Soil cores were evaluated for visual and olfactory indications of environmental impact. Soil boring logs are provided in Attachment A and boring locations are shown on Figure 2.

Four five-point composite soil samples were collected from soil borings LB-01 through LB-05. One of the composite samples was collected from the shallow fill interval (1 to 2 feet bgs), and the other three composite samples were collected from three separate depth intervals in the estuarine soils beneath the fill (3 to 4, 4 to 5, and 5 to 6 feet bgs). The composite samples were composed of five discrete grab samples of soil collected from the

same depth interval from each boring location. The five grab samples were placed in a Ziploc® bag and vigorously mixed to homogenize the sample material into a composite sample representative of the soil profile for the corresponding depth interval. The composite sample material was then transferred into laboratory-supplied containers, labeled, stored in an ice-chilled cooler, and transported under chain of custody to York Analytical Laboratories (York) of Stratford, Connecticut. York is a Connecticut Department of Public Health (CTDPH)-certified laboratory. The samples were submitted to York for analysis of typical soil waste classification parameters:

- VOCs
- Total petroleum hydrocarbons (TPH)
- Semi-volatile organic compounds (SVOCs)
- Pesticides
- Herbicides
- Polychlorinated biphenyls (PCBs)
- Resource Conservation and Recovery Act (RCRA) Metals plus antimony, copper, beryllium, trivalent and hexavalent chromium, nickel, thallium, vanadium, and zinc
- RCRA Toxicity characteristic leaching procedure (TCLP) Metals and Pesticides
- Conductivity
- Ignitability
- pH
- Paint filter test
- Cyanide and sulfide reactivity

Analytical results of the soil samples are discussed below and summarized on Table 1. The soil laboratory reports are provided as Attachment B.

Subsurface soil conditions in area of the proposed building addition generally consisted of 2 to 3 feet of fill consisting of light to dark brown, fine to medium sand with some gravel and trace silt, underlain by 4 to 7 feet of light to tannish gray, silty sand estuarine deposits. Light grayish to tannish brown medium sand was observed below the estuarine deposits. Groundwater was encountered at approximately 8 feet bgs in all five boring locations. Soil boring logs are provided as Attachment A.

Groundwater Sampling

Following advancement of LB-01, Cisco installed a temporary monitoring well in the open borehole. The monitoring well (TMW-01) was installed at a depth of approximately 18 feet and consisted of a 1-inch Schedule 40 polyvinyl chloride (PVC) riser pipe with 10 feet of screen. The annular space around the PVC was filled with No. 2 filter sand. Groundwater

was sampled from the well with a peristaltic pump and dedicated ¼-inch tubing. Using the pump, groundwater was collected directly into laboratory-supplied containers. The groundwater sample was submitted to York under chain of custody for analysis of VOCs, TPH, total metals including copper, lead, mercury, zinc, iron, and cadmium, pH, total nitrogen, total phosphorus, total settleable solids, total suspended solids, total kjeldahl nitrogen (TKN), nitrate as nitrogen, and nitrite as nitrogen.

Soil Analytical Results

Soil analytical results were compared to the town of Manchester Landfill acceptance criteria for Non-Hazardous Contaminated Soils and the RCRA Toxicity Characteristics Maximum Concentrations.

Two VOCs (acetone and 2-butanone (MEK)), TPH (diesel range organics (DRO)), various metals, and the pesticide total DDT were detected in composite samples at concentrations above laboratory reporting limits. SVOCs, TPH (gasoline range organics (GRO)), PCBs, herbicides, and TCLP pesticides were not detected above laboratory reporting limits in composite samples.

Arsenic was detected in composite samples OGS_FILL (1-2) and OGS_EST (5-6) at concentrations of 26.3 and 15.3 milligrams per kilogram (mg/kg), respectively, above the Connecticut Department of Energy and Environmental Protection (CTDEEP) Remediation Standard Regulations (RSRs) for Industrial/Commercial Direct Exposure Criteria (I/CDEC), which Manchester Landfill uses as their acceptance criteria. The sample was run for TCLP metals including arsenic, which were not detected above laboratory reporting limits. TCLP lead was detected in composite sample OGS_EST (4-5) at a concentration of 0.132 milligrams per liter (mg/L), below RCRA Toxicity Characteristics Maximum Concentration for lead of 5 mg/L.

Waste characteristics (conductivity, pH, reactivity, temperature, ignitability, and paint filter test) for the composite samples demonstrated non-hazardous characteristics.

Full soil analytical results are summarized on Table 1. Soil analytical laboratory reports are included as Attachment B.

Groundwater Analytical Results

Groundwater analytical results were compared to the General Permit for the Discharge of Groundwater Remediation Wastewater Appendix A: Discharges to Surface Waters and Appendix B: Discharges to a Publicly Owned Treatment Works (POTW) criteria.

Metals, nitrate as nitrogen, total phosphorus, TKN, and total settleable and suspended solids were detected above laboratory reporting limits. VOCs, nitrite as nitrogen, and TPH were not detected above laboratory reporting limits.

Copper and zinc were detected at concentrations of 136 and 566 micrograms per liter ($\mu\text{g/L}$), respectively, above the General Permit's criteria for discharge to a surface water at 10 to 1 dilution (48 and 322 mg/L, respectively) but below the criteria for 100 to 1 dilution (480 and 1,000 mg/L). Total suspended solids were detected at a concentration of 1,510 mg/L, above the General Permit's criteria for discharge to a surface water.

Full groundwater analytical results are summarized on Table 2. Groundwater analytical laboratory reports are included as Attachment C.

CONCLUSIONS

Based on the analytical results of in-site waste classification, soils at the Site may be classified as polluted or contaminated for the purposes of disposal. Analytical results for soil compared to a local landfill that accepts non-hazardous contaminated soil demonstrated acceptable characteristics for disposal. Based on the information provided above, Langan recommends development of a Soil Management Plan (SMP) to direct the proper excavation, handling, dewatering, offsite disposal of soils, and development and implementation, as needed, of wastewater treatment for groundwater remediation wastewater generated during redevelopment activities.

Based on groundwater analytical results, if dewatering activities will be necessary for planned construction activities, the Site Contractor should plan for appropriate settlement time and comply with all applicable local, state, and federal regulations and permits.

Sincerely,
Langan CT, Inc.



Hannah Griesbach
Project Engineer



David V. Granucci, LEP
Senior Project Engineer

Enclosure(s):

- Table 1 – Summary of Soil Analytical Results
- Table 2 – Summary of Groundwater Analytical Results
- Figure 1 – Site Location Map
- Figure 2 – Site Investigation Plan
- Attachment A – Soil Boring Logs
- Attachment B – Laboratory Analytical Reports – Soil
- Attachment C – Laboratory Analytical Reports – Groundwater

TABLES

Table 1
Soil Analytical Data Summary - In Situ Waste Classification Area
Old Greenwich School
Greenwich, Connecticut
Langan Project No.: 140235801

Sample ID	Residential Direct Exposure Criteria	Industrial/Commercial (I/C) Direct Exposure Criteria	GB Pollutant Mobility Criteria	In Situ Waste Class Sampling Area			
				OGS_FILL (1-2) 9/25/2023 Composite	OGS_EST (3-4) 9/25/2023 Composite	OGS_EST (4-5) 9/25/2023 Composite	OGS_EST (5-6) 9/25/2023 Composite
Analyte				Result	Result	Result	Result
Volatile Organic Compounds (mg/kg)							
Acetone	500	1,000	140	<0.0098 U	0.038	0.025	0.026
Methyl Ethyl Ketone (2-Butanone)	500	1,000	8	<0.0049 U	0.0088	<0.0058 U	<0.0054 U
Semi-Volatile Organic Compounds (mg/kg)		Varies by compound		ND	ND	ND	ND
Petroleum Hydrocarbons (mg/kg)							
Total Petroleum Hydrocarbons - GRO (C5-C10)	500	2,500	2,500	<81.2 U	<120 U	<99.9 U	<114 U
Total Petroleum Hydrocarbons - DRO (C10-C28)	500	2,500	2,500	19.5	25.3	17.7	22.9
Polychlorinated Biphenyls (mg/kg)							
Total PCBs	1	10	NS	<0.0284 U	<0.0327 U	<0.0299 U	<0.0294 U
Metals (mg/kg)							
Antimony	27	8,200	NS	5.88	6.53	4.68	3.77
Arsenic	10	10	NS	26.3	15.3	9.08	5.59
Barium	4,700	140,000	NS	79.1	165	175	96.2
Beryllium	2	2	NS	<0.0400 U	0.250	0.338	<0.0420 U
Chromium, Total	NS	NS	NS	24.9	33.8	30.9	24.9
Chromium, Trivalent	3,900	51,000	NS	24.9	33.10	30.11	26.9
Copper	2,500	76,000	NS	19.3	18.5	14.0	12.7
Lead	400	1,000	NS	42.5	33.5	23.3	10.4
Mercury	20	610	NS	<0.0344 U	0.0683	0.0413	<0.0363 U
Nickel	1,400	7,500	NS	15.7	22.2	20.2	25.0
Thallium	5.4	160	NS	3.81	5.51	<2.12 U	<2.10 U
Vanadium	470	14,000	NS	33.7	47.6	36.4	26.2
Zinc	20,000	610,000	NS	49.5	51.8	42.9	43.6
RCRA TCLP Metals (mg/kg)							
Lead	NS	NS	0.15	<0.125 U	<0.125 U	0.132	NA
Pesticides (mg/kg)							
4,4'-DDE	1.8	*	17	*	0.02	*	0.00696 D
4,4'-DDT	1.8	*	17	*	0.02	*	0.00634 D
RCRA TCLP Pesticides (mg/kg)							
TCLP RCRA TCLP Pesticides List		Varies by compound		ND	NA	NA	NA
Herbicides (mg/kg)							
Herbicides		Varies by compound		ND	ND	ND	ND
Conductivity (mg/kg)							
Conductivity - Specific Conductance	NS	NS	NS	36.75	126.5	35.80	46.11
Corrosivity (pH units)							
Corrosivity	NS	NS	NS	7.60	6.75	6.81	7.23
Reactivity - Cyanide (mg/kg)							
Cyanide Reactivity	NS	NS	NS	<0.250 U	<0.250 U	<0.250 U	<0.250 U
Reactivity - Sulfide (mg/kg)							
Sulfide Reactivity	NS	NS	NS	24	48	56	48
Ignitability							
Ignitability	NS	NS	NS	Non-Ignitable	Non-Ignitable	Non-Ignitable	Non-Ignitable
Paint Filter Test							
Paint Filter Test	NS	NS	NS	No Free Liquid	No Free Liquid	No Free Liquid	No Free Liquid
Temperature (°C)							
Temperature	NS	NS	NS	23.1	23.1	23.1	23.3
Total Solids (%)							
Percent Total Solids	NS	NS	NS	87.1	73.5	82.1	82.7

Table 1
Soil Analytical Data Summary - In Situ Waste Classification Area
Old Greenwich School
Greenwich, Connecticut
Langan Project No.: 140235801

Page 2 of 2

Notes:

APS - Additional Polluting Substance

bgs - Below ground surface

CTDEEP - Connecticut Department of Energy and Environmental Protection

mg/kg - Milligrams per kilogram

NA - Not Analyzed

ND - Not Detected above laboratory reporting limit for compound

NS - No standard

RL - Reporting Limit

RSRs - Remediation Standard Regulations

* - For those compounds that do not have certain criteria established within the CTDEEP RSRs, amended 16 February 2021, additional polluting substance criteria must be requested for approval by the CTDEEP. The data was compared to the criteria listed in the 10 December 2015 (Revised 12 October 2018) Technical Support Document: Recommended Numeric Criteria for Common Additional Polluting Substances and Certain Alternative Criteria.

Qualifiers:

D = Result is from an analysis that required dilution.

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.

Exceedance Summary:

10 - Result exceeds CTDEEP RSRs - Residential Direct Exposure Criteria (RDEC)

10 - Result exceeds CTDEEP RSRs - Industrial/Commercial Direct Exposure Criteria (I/CDEC)

10 - Result exceeds CTDEEP RSRs - GB Pollutant Mobility Criteria (PMC)

Table 2
 Groundwater Analytical Data Summary - In Situ Waste Classification Area
 Old Greenwich School
 Greenwich, Connecticut
 Langan Project No.: 140265801

Sample ID	Groundwater Protection Criteria	Surface Water Protection Criteria	Residential Volatilization Criteria for Groundwater	GP Discharge of Groundwater Remediation WW to Surface Water	GP Discharge of Groundwater Remediation WW to POTW	In Situ Waste Class Sampling Area
Sample Date						TMV-01 9/25/2023 Grab
Sample Type						Result
Analyte						
Volatile Organic Compounds (ug/L)				Varies by compound		ND
VOCs						
Petroleum Hydrocarbons (ug/L)						
Total Petroleum Hydrocarbons (TPH)	500	NS	NS	5,000	100,000	<488 U
Metals (ug/L)						
Cadmium	5	6	NS	10.0	100	<0.500 U
Copper	1,300	48	NS	48	1,000	136
Iron	NS	NS	NS	NS	NS	279
Lead	15	13	NS	9.8	100	<1.00 U
Mercury	2	0.4	NS	Non-detect	Non-detect	<0.200 U
Zinc	5,000	123	NS	322	1,000	566
Nitrate as Nitrogen (ug/L)						
Nitrate as Nitrogen	NS	NS	NS	NS	NS	252
Nitrite as Nitrogen (ug/L)						
Nitrite as Nitrogen	NS	NS	NS	NS	NS	<5,000 U
pH (pH units)						
pH	NS	NS	NS	NS	NS	6.34
Temperature (°C)						
Temperature	NS	NS	NS	NS	NS	12
Total Kjeldahl Nitrogen (ug/L)						
TKN	NS	NS	NS	NS	NS	1,300 D
Total Nitrogen (ug/L)						
Nitrogen, Total	NS	NS	NS	NS	NS	1,552
Total Phosphorus (ug/L)						
Phosphorus, Total	NS	NS	NS	NS	NS	1,900 D
Total Settleable Solids (ug/L)						
Total Settleable Solids	NS	NS	NS	NS	NS	12,000
Total Suspended Solids (ug/L)						
Total Suspended Solids	NS	NS	NS	30,000	NS	1,510,000

Groundwater Analytical Data Summary - In Situ Waste Classification Area
Old Greenwich School
Greenwich, Connecticut
Langan Project No.: 140265801

Notes:

APS - Additional Polluting Substance

bgs - Below ground surface

CTDEEP - Connecticut Department of Energy and Environmental Protection

GP - General Permit

mg/kg - Milligrams per kilogram

NA - Not Analyzed

ND - Not Detected above laboratory reporting limit for compound

NS - No standard

POTW - Publicly Owned Treatment Works

RL - Reporting Limit

RSRs - Remediation Standard Regulations

WW - Wastewater

* - For those compounds that do not have certain criteria established within the CTDEEP RSRs, amended 16 February 2021, additional polluting substance criteria must be requested for approval by the CTDEEP. The data was compared to the criteria listed in the 10 December 2015 (Revised 12 October 2018) Technical Support Document: Recommended Numeric Criteria for Common Additional Polluting Substances and Certain Alternative Criteria.

Qualifiers:

D = Result is from an analysis that required dilution.

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.

Exceedance Summary:

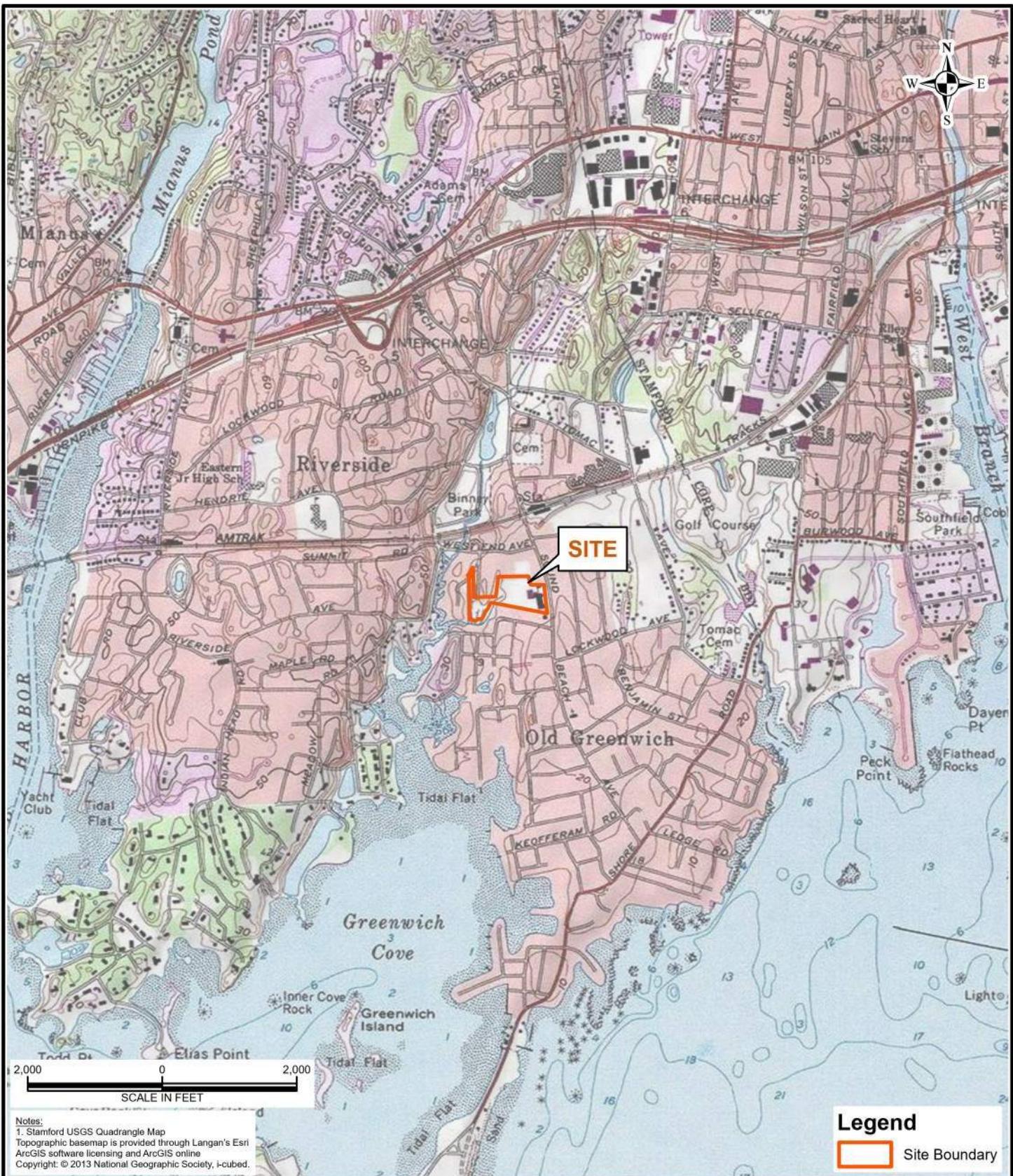
10 - Result exceeds CTDEEP RSRs - Groundwater Protection Criteria (GWPC)

10 - Result exceeds CTDEEP RSRs - Surface Water Protection Criteria (SWPC)

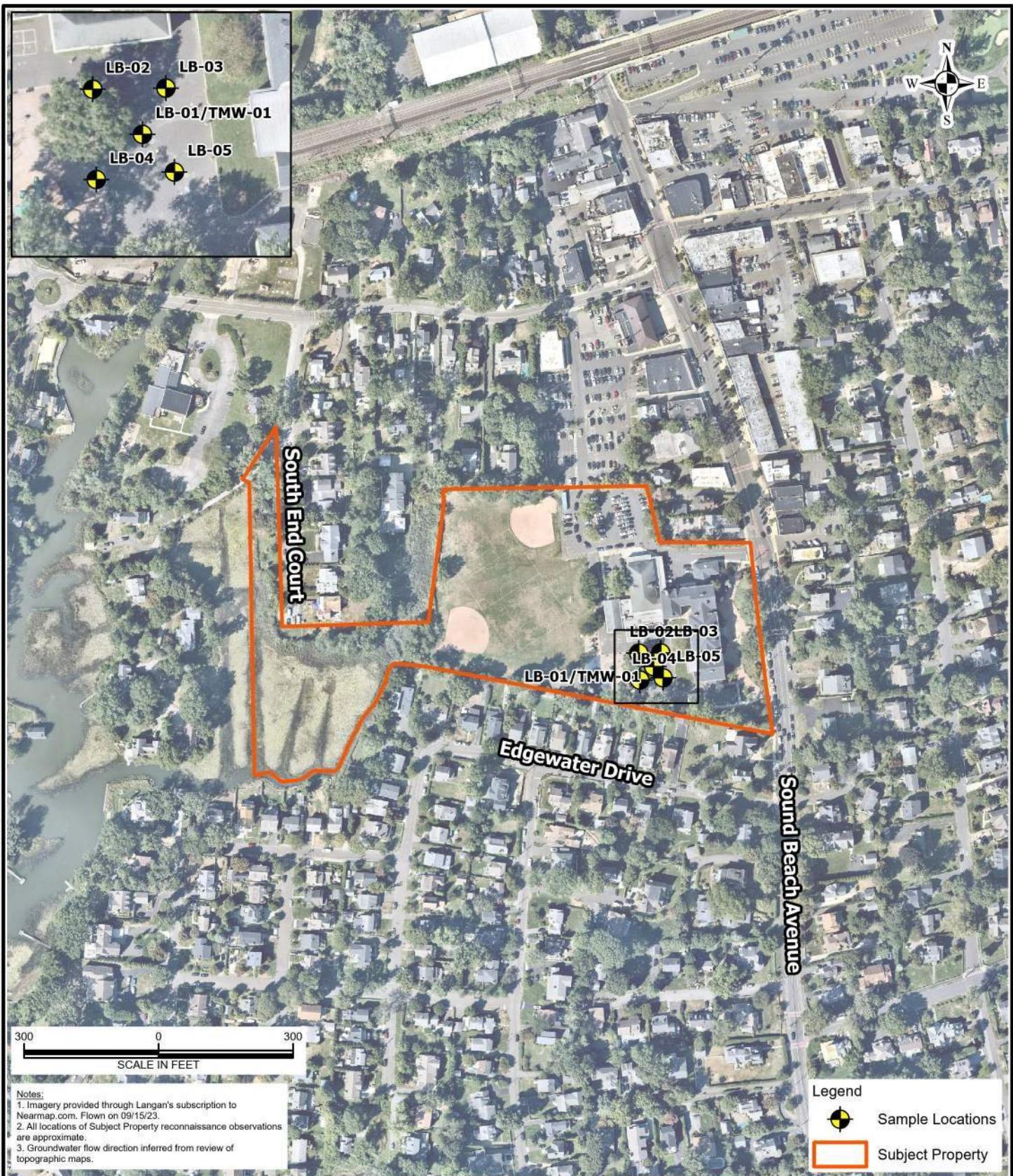
10 - Result exceeds CTDEEP RSRs - Residential Volatilization Criteria for Groundwater

10 - Result exceeds GP for Discharge of Groundwater Remediation Wastewater to Surface Water

FIGURES



LANGAN Langan Engineering and Environmental Services, Inc. 555 Long Wharf Drive New Haven, CT 06511-6107 T: 203.562.5771 F: 203.789.6142 www.langan.com	Project 285 SOUND BEACH AVENUE GREENWICH FAIRFIELD COUNTY	Figure Title SITE LOCATION MAP	Project No. 140265801 Date 10/24/2023 Scale 1" = 2,000 feet Drawn By LB	Figure 1
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LANGAN Langan Engineering and Environmental Services, Inc. 555 Long Wharf Drive New Haven, CT 06511-6107 T: 203.562.5771 F: 203.789.6142 www.langan.com	Project 285 SOUND BEACH AVENUE GREENWICH FAIRFIELD COUNTY	Figure Title SITE INVESTIGATION PLAN	Project No. 140265801 Date 10/25/2023 Scale 1" = 300 feet Drawn By LB	Figure 2
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ATTACHMENT A

SOIL BORING LOGS

LANGAN

Log of Boring LB-01

Sheet 1 of 1

Project Old Greenwich School			Project No. 140265802					
Location Old Greenwich School			Elevation and Datum N/A					
Drilling Company Cisco			Date Started 9/25/2023		Date Finished 9/25/2023			
Drilling Equipment Truck-mounted direct push			Completion Depth 12.0 ft		Rock Depth N/E			
Size and Type of Bit N/A			Number of Samples	Disturbed 3	Undisturbed 0	Core 0		
Casing Diameter (in) N/A		Casing Depth (ft) N/A	Water Level (ft.)	First ▽ 8.0	Completion ▼ N/A	24 HR. ▽ N/A		
Casing Hammer	N/A	Weight (lbs)	N/A	Drop (in)	N/A	Drilling Foreman Pete Classen		
Sampler Macrocore			Field Engineer William Adsit					
Sampler Hammer N/A			Weight (lbs)	N/A	Drop (in)	N/A		
Material Symbol	Elev. (ft) 0.0	Sample Description			Depth Scale	Sample Data		Remarks (Drilling Fluid, Casing Depth, Fluid Loss, Drilling Resistance, etc.)
▲▲▲▲		Dark black Asphalt (wet) [ASPHALT] Light tan to reddish brown SAND (dry) [FILL]			0	M-1A		0.4
					1	M-1B		0.7
		Dark gray Silty CLAY (moist) [EST]			2	Macrocoring		1.0
					3	M-1C	37/48	1.1
		Gray to tannish gray fine to medium SAND, trace silt (moist)			4	M-2A		1.0
					5	Macrocoring		1.5
					6	M-2B	40/48	1.5
					7			1.4
					8			0.1
					9			0.1
					10	M-3	1/48	0.0
					11			0.0
					12			0.0
					13			0.0
					14			0.0
					15			0.0
					16			0.0
					17			0.0
					18			0.0
					19			0.0
					20			0.0
Bottom of boring: 12 ft								

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Log of Boring LB-02

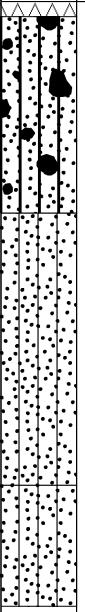
Sheet 1 of 1

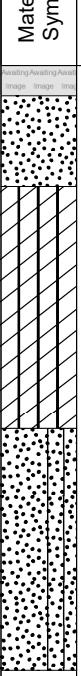
Project Old Greenwich School			Project No. 140265802						
Location Old Greenwich School			Elevation and Datum N/A						
Drilling Company Cisco			Date Started 9/25/2023		Date Finished 9/25/2023				
Drilling Equipment Truck-mounted direct push			Completion Depth 10.0 ft		Rock Depth N/E				
Size and Type of Bit N/A			Number of Samples	Disturbed 3	Undisturbed 0	Core 0			
Casing Diameter (in) N/A		Casing Depth (ft) N/A	Water Level (ft.)	First ▽ 8.0	Completion ▼ N/A	24 HR. ▽ N/A			
Casing Hammer	N/A	Weight (lbs)	N/A	Drop (in)	N/A	Drilling Foreman	Pete Classen		
Sampler Macrocore			Field Engineer						
Sampler Hammer	N/A	Weight (lbs)	N/A	Drop (in)	N/A	William Adsit			
Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Number	Type	Recov. (in)	Penetr-resist Bl./in	PID Reading (ppm)	Remarks (Drilling Fluid, Casing Depth, Fluid Loss, Drilling Resistance, etc.)
	0.0			M-1A				0.1	
		Dark brown Mulch [Mulch]	0	M-1B				0.2	
		Dark brown medium SAND (dry) [FILL]	1	M-1C				0.2	
		Light reddish brown fine to medium SAND, some gravel (dry) [FILL]	2	M-1D	Macrocore	28/48		0.1	
		Light gray Silty fine SAND, some clay (dry) [EST]	3	M-2	Macrocore	26/48		0.1	
			4	M-3	Macrocore	24/24		0.1	
		End of Boring at 10ft.	5					0.0	
			6					0.0	
			7					0.1	
			8					0.0	
			9					0.0	
			10					0.0	
			11					0.0	
			12					0.0	
			13					0.0	
			14					0.0	
			15					0.0	
			16					0.0	
			17					0.0	
			18					0.0	
			19					0.0	
			20					0.0	

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Log of Boring LB-03

Sheet 1 of 1

Project Old Greenwich School			Project No. 140265802					
Location Old Greenwich School			Elevation and Datum N/A					
Drilling Company Cisco			Date Started 9/25/2023		Date Finished 9/25/2023			
Drilling Equipment Truck-mounted direct push			Completion Depth 10.0 ft		Rock Depth N/E			
Size and Type of Bit N/A			Number of Samples	Disturbed 3	Undisturbed 0	Core 0		
Casing Diameter (in) N/A		Casing Depth (ft) N/A	Water Level (ft.)	First ▽ 8.0	Completion ▼ N/A	24 HR. ▽ N/A		
Casing Hammer	N/A	Weight (lbs)	N/A	Drop (in)	N/A	Drilling Foreman	Pete Classen	
Sampler Macrocore			Field Engineer					
Sampler Hammer	N/A	Weight (lbs)	N/A	Drop (in)	N/A	William Adsit		
Material Symbol	Elev. (ft) 0.0	Sample Description	Depth Scale	Sample Data				Remarks (Drilling Fluid, Casing Depth, Fluid Loss, Drilling Resistance, etc.)
			Number	Type	Recov. (in)	Penetr- resist Bl./in	PID Reading (ppm)	
	0.0	Dark black Asphalt (wet) [Asphalt] Reddish brown medium SAND, some gravel, trace silt (dry) [FILL]	0	M-1A	Macrocoring	42/48		0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.1 0.0 0.1 0.1 0.2
		Light gray fine SAND, trace gravel, some silt, trace clay (moist) [EST]	1	M-1B	Macrocoring			
		Light grayish brown medium SAND, trace gravel, trace silt (wet)	2	M-1C	Macrocoring			
		End of Boring at 10ft.	3	M-2A	Macrocoring			
			4	M-2B	Macrocoring	39/48		
			5	M-3	Macrocoring	24/24		
			6					
			7					
			8					
			9					
			10					
			11					
			12					
			13					
			14					
			15					
			16					
			17					
			18					
			19					
			20					

Project Old Greenwich School			Project No. 140265802						
Location Old Greenwich School			Elevation and Datum N/A						
Drilling Company Cisco			Date Started 9/25/2023		Date Finished 9/25/2023				
Drilling Equipment Truck-mounted direct push			Completion Depth 10.0 ft		Rock Depth N/E				
Size and Type of Bit N/A			Number of Samples	Disturbed 1	Undisturbed 0	Core 0			
Casing Diameter (in) N/A		Casing Depth (ft) N/A	Water Level (ft.)	First ▽ 8.0	Completion ▼ N/A	24 HR. ▽ N/A			
Casing Hammer	N/A	Weight (lbs)	N/A	Drop (in)	N/A	Drilling Foreman	Pete Classen		
Sampler Macrocore			Field Engineer						
Sampler Hammer		Weight (lbs)	N/A	Drop (in)	N/A	William Adsit			
Material Symbol	Elev. (ft) 0.0	Sample Description	Depth Scale	Sample Data				Remarks (Drilling Fluid, Casing Depth, Fluid Loss, Drilling Resistance, etc.)	
				Number	Type	Recov. (in)	Penetr- resist Bl./in		PID Reading (ppm)
		Dark Brown Mulch [MULCH]	0				0.0		
		Light tan to reddish brown SAND (dry) [FILL]	1				0.0		
		Light gray to gray silty Clay (dry) [EST]	2	M-1	Macrocoring	36/48	0.1		
		Gray to tannish gray fine to medium SAND, trace silt (moist)	3				0.1		
		End of Boring at 10ft.	4				0.1		
			5				0.1		
			6				0.1		
			7				0.1		
			8	▽			0.1		
			9				0.1		
			10				0.1		
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						
Bottom of boring: 10 ft									

LANGAN

Log of Boring LB-05

Sheet 1 of 1

Project Old Greenwich School			Project No. 140265802					
Location Old Greenwich School			Elevation and Datum N/A					
Drilling Company Cisco			Date Started 9/25/2023		Date Finished 9/25/2023			
Drilling Equipment Truck-mounted direct push			Completion Depth 10.0 ft		Rock Depth N/E			
Size and Type of Bit N/A			Number of Samples	Disturbed 3	Undisturbed 0	Core 0		
Casing Diameter (in) N/A		Casing Depth (ft) N/A	Water Level (ft.)	First ▽ 8.0	Completion ▼ N/A	24 HR. ▽ N/A		
Casing Hammer	N/A	Weight (lbs)	N/A	Drop (in)	N/A	Drilling Foreman	Pete Classen	
Sampler Macrocore			Field Engineer					
Sampler Hammer	N/A	Weight (lbs)	N/A	Drop (in)	N/A	William Adsit		
Material Symbol	Elev. (ft) 0.0	Sample Description	Depth Scale	Sample Data				Remarks (Drilling Fluid, Casing Depth, Fluid Loss, Drilling Resistance, etc.)
			Number	Type	Recov. (in)	Penetr-resist Bl./in	PID Reading (ppm)	
	0	M-1A				0.0		
	1	M-1B				0.0		
	2		Macrocore	39/48		0.0		
	3	M-1C				0.1		
	4	M-1C				0.2		
	5	M-2A				0.0		
	6	M-2A	Macrocore	36/48		0.1		
	7	M-2B				0.1		
	8	M-2B				0.1		
	9	M-3	Macrocore	24/24		0.0		
End of Boring at 10ft.			10			0.0	Bottom of boring: 10 ft	

ATTACHMENT B

**ENVIRONMENTAL ANALYTICAL
LABORATORY REPORTS (SOIL)**



Technical Report

prepared for:

Langan Engineering & Environmental Services (CT)
Long Wharf Maritime Center, 555 Long Wharf Drive
New Haven CT, 06511-6107
Attention: William Adsit

Report Date: 10/17/2023
Client Project ID: 140265801
York Project (SDG) No.: 23I1597

Revision No. 1.0



CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037

New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

Report Date: 10/17/2023
Client Project ID: 140265801
York Project (SDG) No.: 23I1597

Langan Engineering & Environmental Services (CT)
Long Wharf Maritime Center, 555 Long Wharf Drive
New Haven CT, 06511-6107
Attention: William Adsit

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on September 25, 2023 and listed below. The project was identified as your project: **140265801**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
23I1597-01	OGS_FILL (1-2)	Soil	09/25/2023	09/25/2023
23I1597-02	OGS_EST (3-4)	Soil	09/25/2023	09/25/2023
23I1597-03	OGS_EST (4-5)	Soil	09/25/2023	09/25/2023
23I1597-04	OGS_EST (5-6)	Soil	09/25/2023	09/25/2023
23I1597-05	OGS_FILL (1-2)	Soil	09/25/2023	09/25/2023
23I1597-06	OGS_EST (3-4)	Soil	09/25/2023	09/25/2023
23I1597-07	OGS_EST (4-5)	Soil	09/25/2023	09/25/2023
23I1597-08	OGS_EST (5-6)	Soil	09/25/2023	09/25/2023
23I1597-09	Trip Blanks	Water	09/25/2023	09/25/2023

General Notes for York Project (SDG) No.: 23I1597

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By 

Cassie L. Mosher
Laboratory Manager

Date: 10/17/2023





Sample Information

Client Sample ID: OGS_FILL (1-2)

York Sample ID: 23I1597-01

York Project (SDG) No.
23I1597

Client Project ID
140265801

Matrix
Soil

Collection Date/Time
September 25, 2023 10:40 am

Date Received
09/25/2023

VOA, 8260 RCP MASTER

Sample Prepared by Method: EPA 5035A

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	4.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 15:39	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	4.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 15:39	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	4.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 15:39	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	4.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/29/2023 09:00	09/29/2023 15:39	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	4.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 15:39	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	4.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 15:39	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	4.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 15:39	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	09/29/2023 09:00	09/29/2023 15:39	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	09/29/2023 09:00	09/29/2023 15:39	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP-CT005	09/29/2023 09:00	09/29/2023 15:39	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	09/29/2023 09:00	09/29/2023 15:39	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	4.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 15:39	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	4.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 15:39	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	4.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 15:39	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	4.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 15:39	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	4.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 15:39	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	4.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 15:39	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	4.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 15:39	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	4.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 15:39	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	09/29/2023 09:00	09/29/2023 15:39	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	4.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 15:39	SS



Sample Information

Client Sample ID: OGS_FILL (1-2)

York Sample ID:

23I1597-01

York Project (SDG) No.

23I1597

Client Project ID

140265801

Matrix

Soil

Collection Date/Time

September 25, 2023 10:40 am

Date Received

09/25/2023

VOA, 8260 RCP MASTER

Sample Prepared by Method: EPA 5035A

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP-CT005	09/29/2023 09:00	09/29/2023 15:39	SS
78-93-3	2-Butanone	ND		ug/kg dry	4.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 15:39	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	4.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 15:39	SS
591-78-6	2-Hexanone	ND		ug/kg dry	4.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 15:39	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	4.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 15:39	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	4.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 15:39	SS
67-64-1	Acetone	ND		ug/kg dry	9.8	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 15:39	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	4.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 15:39	SS
71-43-2	Benzene	ND		ug/kg dry	4.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 15:39	SS
108-86-1	Bromobenzene	ND		ug/kg dry	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	09/29/2023 09:00	09/29/2023 15:39	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	09/29/2023 09:00	09/29/2023 15:39	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	4.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 15:39	SS
75-25-2	Bromoform	ND		ug/kg dry	4.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 15:39	SS
74-83-9	Bromomethane	ND		ug/kg dry	4.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 15:39	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	4.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 15:39	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	4.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 15:39	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	4.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 15:39	SS
75-00-3	Chloroethane	ND		ug/kg dry	4.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 15:39	SS
67-66-3	Chloroform	ND		ug/kg dry	4.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 15:39	SS
74-87-3	Chloromethane	ND		ug/kg dry	4.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 15:39	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	4.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 15:39	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	4.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 15:39	SS



Sample Information

Client Sample ID: OGS_FILL (1-2)

York Sample ID:

23I1597-01

York Project (SDG) No.
23I1597

Client Project ID
140265801

Matrix
Soil

Collection Date/Time
September 25, 2023 10:40 am

Date Received
09/25/2023

VOA, 8260 RCP MASTER

Sample Prepared by Method: EPA 5035A

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
124-48-1	Dibromochloromethane	ND		ug/kg dry	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	09/29/2023 09:00	09/29/2023 15:39	SS
74-95-3	Dibromomethane	ND		ug/kg dry	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	09/29/2023 09:00	09/29/2023 15:39	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	09/29/2023 09:00	09/29/2023 15:39	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	4.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 15:39	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	09/29/2023 09:00	09/29/2023 15:39	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	4.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 15:39	SS
80-62-6	Methyl Methacrylate	ND		ug/kg dry	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP-CT005	09/29/2023 09:00	09/29/2023 15:39	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	4.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 15:39	SS
75-09-2	Methylene chloride	ND		ug/kg dry	9.8	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 15:39	SS
91-20-3	Naphthalene	ND		ug/kg dry	9.8	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	09/29/2023 09:00	09/29/2023 15:39	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	4.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 15:39	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	4.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 15:39	SS
95-47-6	o-Xylene	ND		ug/kg dry	4.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,PADEP-68-04440	09/29/2023 09:00	09/29/2023 15:39	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	9.8	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,PADEP-68-04440	09/29/2023 09:00	09/29/2023 15:39	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	4.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 15:39	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	4.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 15:39	SS
100-42-5	Styrene	ND		ug/kg dry	4.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 15:39	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	4.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 15:39	SS
127-18-4	Tetrachloroethylene	ND	ICVE	ug/kg dry	4.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 15:39	SS
109-99-9	Tetrahydrofuran	ND		ug/kg dry	9.8	1	EPA 8260C Certifications:	09/29/2023 09:00	09/29/2023 15:39	SS
108-88-3	Toluene	ND		ug/kg dry	4.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 15:39	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	4.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 15:39	SS



Sample Information

<u>Client Sample ID:</u> OGS_FILL (1-2)	<u>York Sample ID:</u>	23I1597-01
<u>York Project (SDG) No.</u> 23I1597	<u>Client Project ID</u> 140265801	<u>Matrix</u> Soil <u>Collection Date/Time</u> September 25, 2023 10:40 am <u>Date Received</u> 09/25/2023

VOA, 8260 RCP MASTER

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	4.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 15:39	SS		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/kg dry	4.9	1	EPA 8260C Certifications:	09/29/2023 09:00	09/29/2023 15:39	SS		
79-01-6	Trichloroethylene	ND		ug/kg dry	4.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 15:39	SS		
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	4.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 15:39	SS		
75-01-4	Vinyl Chloride	ND		ug/kg dry	4.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 15:39	SS		
Surrogate Recoveries		Result	Acceptance Range									
17060-07-0	Surrogate: SURN: 1,2-Dichloroethane-d4	104 %			70-130							
2037-26-5	Surrogate: SURN: Toluene-d8	94.3 %			70-130							
460-00-4	Surrogate: SURN: p-Bromofluorobenzene	98.9 %			70-130							

Total Petroleum Hydrocarbons-GRO (C5-C10)

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst		
	Total Petroleum Hydrocarbons-GRO	ND		mg/kg dry	81.2	100	EPA 8015D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	09/26/2023 09:00	09/26/2023 14:35	BMT		
Surrogate Recoveries		Result	Acceptance Range									
460-00-4	Surrogate: SURN: p-Bromofluorobenzene	86.4 %			52-146							

Total Solids

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	92.6		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	10/02/2023 07:53	10/02/2023 15:30	sgs



Sample Information

Client Sample ID: OGS_EST (3-4)

York Sample ID:

23I1597-02

York Project (SDG) No.

23I1597

Client Project ID

140265801

Matrix

Soil

Collection Date/Time

September 25, 2023 10:45 am

Date Received

09/25/2023

VOA, 8260 RCP MASTER

Sample Prepared by Method: EPA 5035A

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	6.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:04	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	6.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:04	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	6.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:04	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	6.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/29/2023 09:00	09/29/2023 16:04	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	6.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:04	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	6.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:04	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	6.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:04	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	6.9	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	09/29/2023 09:00	09/29/2023 16:04	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	6.9	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	09/29/2023 09:00	09/29/2023 16:04	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	6.9	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP-CT005	09/29/2023 09:00	09/29/2023 16:04	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	6.9	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	09/29/2023 09:00	09/29/2023 16:04	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	6.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:04	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	6.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:04	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	6.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:04	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	6.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:04	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	6.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:04	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	6.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:04	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	6.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:04	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	6.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:04	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	6.9	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	09/29/2023 09:00	09/29/2023 16:04	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	6.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:04	SS



Sample Information

Client Sample ID: OGS_EST (3-4)

York Sample ID:

23I1597-02

York Project (SDG) No.

23I1597

Client Project ID

140265801

Matrix

Soil

Collection Date/Time

September 25, 2023 10:45 am

Date Received

09/25/2023

VOA, 8260 RCP MASTER

Sample Prepared by Method: EPA 5035A

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	6.9	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP-CT005	09/29/2023 09:00	09/29/2023 16:04	SS
78-93-3	2-Butanone	8.8		ug/kg dry	6.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:04	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	6.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:04	SS
591-78-6	2-Hexanone	ND		ug/kg dry	6.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:04	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	6.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:04	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	6.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:04	SS
67-64-1	Acetone	38	ICVE, QL-02	ug/kg dry	14	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:04	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	6.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:04	SS
71-43-2	Benzene	ND		ug/kg dry	6.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:04	SS
108-86-1	Bromobenzene	ND		ug/kg dry	6.9	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	09/29/2023 09:00	09/29/2023 16:04	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	6.9	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	09/29/2023 09:00	09/29/2023 16:04	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	6.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:04	SS
75-25-2	Bromoform	ND		ug/kg dry	6.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:04	SS
74-83-9	Bromomethane	ND		ug/kg dry	6.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:04	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	6.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:04	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	6.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:04	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	6.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:04	SS
75-00-3	Chloroethane	ND		ug/kg dry	6.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:04	SS
67-66-3	Chloroform	ND		ug/kg dry	6.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:04	SS
74-87-3	Chloromethane	ND		ug/kg dry	6.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:04	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	6.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:04	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	6.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:04	SS



Sample Information

Client Sample ID: OGS_EST (3-4)

York Sample ID:

23I1597-02

York Project (SDG) No.
23I1597

Client Project ID
140265801

Matrix
Soil

Collection Date/Time
September 25, 2023 10:45 am

Date Received
09/25/2023

VOA, 8260 RCP MASTER

Sample Prepared by Method: EPA 5035A

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
124-48-1	Dibromochloromethane	ND		ug/kg dry	6.9	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	09/29/2023 09:00	09/29/2023 16:04	SS
74-95-3	Dibromomethane	ND		ug/kg dry	6.9	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	09/29/2023 09:00	09/29/2023 16:04	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	6.9	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	09/29/2023 09:00	09/29/2023 16:04	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	6.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:04	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	6.9	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	09/29/2023 09:00	09/29/2023 16:04	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	6.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:04	SS
80-62-6	Methyl Methacrylate	ND		ug/kg dry	6.9	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP-CT005	09/29/2023 09:00	09/29/2023 16:04	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	6.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:04	SS
75-09-2	Methylene chloride	ND		ug/kg dry	14	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:04	SS
91-20-3	Naphthalene	ND		ug/kg dry	14	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	09/29/2023 09:00	09/29/2023 16:04	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	6.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:04	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	6.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:04	SS
95-47-6	o-Xylene	ND		ug/kg dry	6.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,PADEP-68-04440	09/29/2023 09:00	09/29/2023 16:04	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	14	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,PADEP-68-04440	09/29/2023 09:00	09/29/2023 16:04	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	6.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:04	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	6.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:04	SS
100-42-5	Styrene	ND		ug/kg dry	6.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:04	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	6.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:04	SS
127-18-4	Tetrachloroethylene	ND	ICVE	ug/kg dry	6.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:04	SS
109-99-9	Tetrahydrofuran	ND		ug/kg dry	14	1	EPA 8260C Certifications:	09/29/2023 09:00	09/29/2023 16:04	SS
108-88-3	Toluene	ND		ug/kg dry	6.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:04	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	6.9	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:04	SS



Sample Information

Client Sample ID: OGS_EST (3-4)

York Sample ID:

23I1597-02

York Project (SDG) No.
23I1597

Client Project ID
140265801

Matrix
Soil

Collection Date/Time
September 25, 2023 10:45 am

Date Received
09/25/2023

VOA, 8260 RCP MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	6.9	1	EPA 8260C	09/29/2023 09:00	09/29/2023 16:04	SS
					Certifications:		CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044			
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/kg dry	6.9	1	EPA 8260C	09/29/2023 09:00	09/29/2023 16:04	SS
					Certifications:					
79-01-6	Trichloroethylene	ND		ug/kg dry	6.9	1	EPA 8260C	09/29/2023 09:00	09/29/2023 16:04	SS
					Certifications:		CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044			
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	6.9	1	EPA 8260C	09/29/2023 09:00	09/29/2023 16:04	SS
					Certifications:		CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044			
75-01-4	Vinyl Chloride	ND		ug/kg dry	6.9	1	EPA 8260C	09/29/2023 09:00	09/29/2023 16:04	SS
					Certifications:		CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044			
Surrogate Recoveries		Result	Acceptance Range							
17060-07-0	Surrogate: Surr: 1,2-Dichloroethane-d4	97.7 %			70-130					
2037-26-5	Surrogate: Surr: Toluene-d8	96.8 %			70-130					
460-00-4	Surrogate: Surr: p-Bromofluorobenzene	104 %			70-130					

Total Petroleum Hydrocarbons-GRO (C5-C10)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Petroleum Hydrocarbons-GRO	ND		mg/kg dry	120	100	EPA 8015D	09/26/2023 09:00	09/26/2023 15:09	BMT
					Certifications:		NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			
Surrogate Recoveries		Result	Acceptance Range							
460-00-4	Surrogate: Surr: p-Bromofluorobenzene	85.7 %			52-146					

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	64.8		%	0.100	1	SM 2540G	10/02/2023 07:53	10/02/2023 15:30	sgs



Sample Information

Client Sample ID: OGS_EST (4-5)

York Sample ID:

23I1597-03

York Project (SDG) No.

23I1597

Client Project ID

140265801

Matrix

Soil

Collection Date/Time

September 25, 2023 10:50 am

Date Received

09/25/2023

VOA, 8260 RCP MASTER

Sample Prepared by Method: EPA 5035A

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	5.8	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:30	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	5.8	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:30	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	5.8	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:30	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	5.8	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/29/2023 09:00	09/29/2023 16:30	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	5.8	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:30	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	5.8	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:30	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	5.8	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:30	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	5.8	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	09/29/2023 09:00	09/29/2023 16:30	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	5.8	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	09/29/2023 09:00	09/29/2023 16:30	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	5.8	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP-CT005	09/29/2023 09:00	09/29/2023 16:30	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	5.8	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	09/29/2023 09:00	09/29/2023 16:30	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	5.8	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:30	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	5.8	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:30	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	5.8	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:30	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	5.8	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:30	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	5.8	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:30	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	5.8	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:30	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	5.8	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:30	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	5.8	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:30	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	5.8	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	09/29/2023 09:00	09/29/2023 16:30	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	5.8	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:30	SS



Sample Information

Client Sample ID: OGS_EST (4-5)

York Sample ID:

23I1597-03

York Project (SDG) No.

23I1597

Client Project ID

140265801

Matrix

Soil

Collection Date/Time

September 25, 2023 10:50 am

Date Received

09/25/2023

VOA, 8260 RCP MASTER

Sample Prepared by Method: EPA 5035A

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	5.8	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP-CT005	09/29/2023 09:00	09/29/2023 16:30	SS
78-93-3	2-Butanone	ND		ug/kg dry	5.8	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:30	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	5.8	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:30	SS
591-78-6	2-Hexanone	ND		ug/kg dry	5.8	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:30	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	5.8	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:30	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	5.8	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:30	SS
67-64-1	Acetone	25	ICVE, QL-02	ug/kg dry	12	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:30	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	5.8	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:30	SS
71-43-2	Benzene	ND		ug/kg dry	5.8	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:30	SS
108-86-1	Bromobenzene	ND		ug/kg dry	5.8	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	09/29/2023 09:00	09/29/2023 16:30	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	5.8	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	09/29/2023 09:00	09/29/2023 16:30	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	5.8	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:30	SS
75-25-2	Bromoform	ND		ug/kg dry	5.8	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:30	SS
74-83-9	Bromomethane	ND		ug/kg dry	5.8	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:30	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	5.8	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:30	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	5.8	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:30	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	5.8	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:30	SS
75-00-3	Chloroethane	ND		ug/kg dry	5.8	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:30	SS
67-66-3	Chloroform	ND		ug/kg dry	5.8	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:30	SS
74-87-3	Chloromethane	ND		ug/kg dry	5.8	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:30	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	5.8	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:30	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	5.8	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:30	SS



Sample Information

<u>Client Sample ID:</u> OGS_EST (4-5)	<u>York Sample ID:</u>	23I1597-03
<u>York Project (SDG) No.</u> 23I1597	<u>Client Project ID</u> 140265801	<u>Matrix</u> Soil <u>Collection Date/Time</u> September 25, 2023 10:50 am <u>Date Received</u> 09/25/2023

VOA, 8260 RCP MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
124-48-1	Dibromochloromethane	ND		ug/kg dry	5.8	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	09/29/2023 09:00	09/29/2023 16:30	SS
74-95-3	Dibromomethane	ND		ug/kg dry	5.8	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	09/29/2023 09:00	09/29/2023 16:30	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	5.8	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	09/29/2023 09:00	09/29/2023 16:30	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	5.8	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:30	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	5.8	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	09/29/2023 09:00	09/29/2023 16:30	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	5.8	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:30	SS
80-62-6	Methyl Methacrylate	ND		ug/kg dry	5.8	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP-CT005	09/29/2023 09:00	09/29/2023 16:30	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	5.8	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:30	SS
75-09-2	Methylene chloride	ND		ug/kg dry	12	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:30	SS
91-20-3	Naphthalene	ND		ug/kg dry	12	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	09/29/2023 09:00	09/29/2023 16:30	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	5.8	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:30	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	5.8	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:30	SS
95-47-6	o-Xylene	ND		ug/kg dry	5.8	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,PADEP-68-04440	09/29/2023 09:00	09/29/2023 16:30	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	12	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,PADEP-68-04440	09/29/2023 09:00	09/29/2023 16:30	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	5.8	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:30	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	5.8	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:30	SS
100-42-5	Styrene	ND		ug/kg dry	5.8	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:30	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	5.8	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:30	SS
127-18-4	Tetrachloroethylene	ND	ICVE	ug/kg dry	5.8	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:30	SS
109-99-9	Tetrahydrofuran	ND		ug/kg dry	12	1	EPA 8260C Certifications:	09/29/2023 09:00	09/29/2023 16:30	SS
108-88-3	Toluene	ND		ug/kg dry	5.8	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:30	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	5.8	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:30	SS



Sample Information

Client Sample ID: OGS_EST (4-5) York Sample ID: 23I1597-03

<u>York Project (SDG) No.</u> 23I1597	<u>Client Project ID</u> 140265801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 25, 2023 10:50 am	<u>Date Received</u> 09/25/2023
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VOA, 8260 RCP MASTER

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	5.8	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:30	SS		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/kg dry	5.8	1	EPA 8260C Certifications:	09/29/2023 09:00	09/29/2023 16:30	SS		
79-01-6	Trichloroethylene	ND		ug/kg dry	5.8	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:30	SS		
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	5.8	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:30	SS		
75-01-4	Vinyl Chloride	ND		ug/kg dry	5.8	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 09:00	09/29/2023 16:30	SS		
Surrogate Recoveries		Result	Acceptance Range									
17060-07-0	Surrogate: Surr: 1,2-Dichloroethane-d4	102 %			70-130							
2037-26-5	Surrogate: Surr: Toluene-d8	95.0 %			70-130							
460-00-4	Surrogate: Surr: p-Bromofluorobenzene	102 %			70-130							

Total Petroleum Hydrocarbons-GRO (C5-C10)

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst		
	Total Petroleum Hydrocarbons-GRO	ND		mg/kg dry	99.9	100	EPA 8015D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	09/26/2023 09:00	09/26/2023 15:43	BMT		
460-00-4	Surrogate: Surr: p-Bromofluorobenzene	85.8 %			52-146							

Total Solids

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	71.2		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	10/02/2023 07:53	10/02/2023 15:30	sgs



Sample Information

<u>Client Sample ID:</u> OGS_EST (5-6)	<u>York Sample ID:</u>	23I1597-04
<u>York Project (SDG) No.</u> 23I1597	<u>Client Project ID</u> 140265801	<u>Matrix</u> Soil <u>Collection Date/Time</u> September 25, 2023 10:55 am <u>Date Received</u> 09/25/2023

VOA, 8260 RCP MASTER

Sample Prepared by Method: EPA 5035A

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/02/2023 09:00	10/02/2023 13:14	SS
71-55-6	1,1,1-Trichloroethane	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/02/2023 09:00	10/02/2023 13:14	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/02/2023 09:00	10/02/2023 13:14	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	10/02/2023 09:00	10/02/2023 13:14	SS
79-00-5	1,1,2-Trichloroethane	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/02/2023 09:00	10/02/2023 13:14	SS
75-34-3	1,1-Dichloroethane	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/02/2023 09:00	10/02/2023 13:14	SS
75-35-4	1,1-Dichloroethylene	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/02/2023 09:00	10/02/2023 13:14	SS
563-58-6	1,1-Dichloropropylene	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	10/02/2023 09:00	10/02/2023 13:14	SS
87-61-6	1,2,3-Trichlorobenzene	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	10/02/2023 09:00	10/02/2023 13:14	SS
96-18-4	1,2,3-Trichloropropane	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP-CT005	10/02/2023 09:00	10/02/2023 13:14	SS
120-82-1	1,2,4-Trichlorobenzene	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	10/02/2023 09:00	10/02/2023 13:14	SS
95-63-6	1,2,4-Trimethylbenzene	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/02/2023 09:00	10/02/2023 13:14	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/02/2023 09:00	10/02/2023 13:14	SS
106-93-4	1,2-Dibromoethane	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/02/2023 09:00	10/02/2023 13:14	SS
95-50-1	1,2-Dichlorobenzene	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/02/2023 09:00	10/02/2023 13:14	SS
107-06-2	1,2-Dichloroethane	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/02/2023 09:00	10/02/2023 13:14	SS
78-87-5	1,2-Dichloropropane	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/02/2023 09:00	10/02/2023 13:14	SS
108-67-8	1,3,5-Trimethylbenzene	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/02/2023 09:00	10/02/2023 13:14	SS
541-73-1	1,3-Dichlorobenzene	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/02/2023 09:00	10/02/2023 13:14	SS
142-28-9	1,3-Dichloropropane	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	10/02/2023 09:00	10/02/2023 13:14	SS
106-46-7	1,4-Dichlorobenzene	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/02/2023 09:00	10/02/2023 13:14	SS



Sample Information

Client Sample ID: OGS_EST (5-6)

York Sample ID:

23I1597-04

York Project (SDG) No.

23I1597

Client Project ID

140265801

Matrix

Soil

Collection Date/Time

September 25, 2023 10:55 am

Date Received

09/25/2023

VOA, 8260 RCP MASTER

Sample Prepared by Method: EPA 5035A

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
594-20-7	2,2-Dichloropropane	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP-CT005	10/02/2023 09:00	10/02/2023 13:14	SS
78-93-3	2-Butanone	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/02/2023 09:00	10/02/2023 13:14	SS
95-49-8	2-Chlorotoluene	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/02/2023 09:00	10/02/2023 13:14	SS
591-78-6	2-Hexanone	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/02/2023 09:00	10/02/2023 13:14	SS
106-43-4	4-Chlorotoluene	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/02/2023 09:00	10/02/2023 13:14	SS
108-10-1	4-Methyl-2-pentanone	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/02/2023 09:00	10/02/2023 13:14	SS
67-64-1	Acetone	26	ICVE, IS-LO, QL-02	ug/kg dry	11	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/02/2023 09:00	10/02/2023 13:14	SS
107-13-1	Acrylonitrile	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/02/2023 09:00	10/02/2023 13:14	SS
71-43-2	Benzene	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/02/2023 09:00	10/02/2023 13:14	SS
108-86-1	Bromobenzene	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	10/02/2023 09:00	10/02/2023 13:14	SS
74-97-5	Bromochloromethane	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	10/02/2023 09:00	10/02/2023 13:14	SS
75-27-4	Bromodichloromethane	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/02/2023 09:00	10/02/2023 13:14	SS
75-25-2	Bromoform	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/02/2023 09:00	10/02/2023 13:14	SS
74-83-9	Bromomethane	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/02/2023 09:00	10/02/2023 13:14	SS
75-15-0	Carbon disulfide	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/02/2023 09:00	10/02/2023 13:14	SS
56-23-5	Carbon tetrachloride	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/02/2023 09:00	10/02/2023 13:14	SS
108-90-7	Chlorobenzene	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/02/2023 09:00	10/02/2023 13:14	SS
75-00-3	Chloroethane	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/02/2023 09:00	10/02/2023 13:14	SS
67-66-3	Chloroform	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/02/2023 09:00	10/02/2023 13:14	SS
74-87-3	Chloromethane	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/02/2023 09:00	10/02/2023 13:14	SS
156-59-2	cis-1,2-Dichloroethylene	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/02/2023 09:00	10/02/2023 13:14	SS



Sample Information

Client Sample ID: OGS_EST (5-6)

York Sample ID:

23I1597-04

York Project (SDG) No.

23I1597

Client Project ID

140265801

Matrix

Soil

Collection Date/Time

September 25, 2023 10:55 am

Date Received

09/25/2023

VOA, 8260 RCP MASTER

Sample Prepared by Method: EPA 5035A

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/02/2023 09:00	10/02/2023 13:14	SS
124-48-1	Dibromochloromethane	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	10/02/2023 09:00	10/02/2023 13:14	SS
74-95-3	Dibromomethane	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	10/02/2023 09:00	10/02/2023 13:14	SS
75-71-8	Dichlorodifluoromethane	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	10/02/2023 09:00	10/02/2023 13:14	SS
100-41-4	Ethyl Benzene	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/02/2023 09:00	10/02/2023 13:14	SS
87-68-3	Hexachlorobutadiene	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	10/02/2023 09:00	10/02/2023 13:14	SS
98-82-8	Isopropylbenzene	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/02/2023 09:00	10/02/2023 13:14	SS
80-62-6	Methyl Methacrylate	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP-CT005	10/02/2023 09:00	10/02/2023 13:14	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/02/2023 09:00	10/02/2023 13:14	SS
75-09-2	Methylene chloride	ND	IS-LO	ug/kg dry	11	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/02/2023 09:00	10/02/2023 13:14	SS
91-20-3	Naphthalene	ND	IS-LO	ug/kg dry	11	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	10/02/2023 09:00	10/02/2023 13:14	SS
104-51-8	n-Butylbenzene	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/02/2023 09:00	10/02/2023 13:14	SS
103-65-1	n-Propylbenzene	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/02/2023 09:00	10/02/2023 13:14	SS
95-47-6	o-Xylene	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,PADEP-68-04440	10/02/2023 09:00	10/02/2023 13:14	SS
179601-23-1	p- & m- Xylenes	ND	IS-LO	ug/kg dry	11	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,PADEP-68-04440	10/02/2023 09:00	10/02/2023 13:14	SS
99-87-6	p-Isopropyltoluene	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/02/2023 09:00	10/02/2023 13:14	SS
135-98-8	sec-Butylbenzene	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/02/2023 09:00	10/02/2023 13:14	SS
100-42-5	Styrene	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/02/2023 09:00	10/02/2023 13:14	SS
98-06-6	tert-Butylbenzene	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/02/2023 09:00	10/02/2023 13:14	SS
127-18-4	Tetrachloroethylene	ND	ICVE, IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/02/2023 09:00	10/02/2023 13:14	SS
109-99-9	Tetrahydrofuran	ND	IS-LO	ug/kg dry	11	1	EPA 8260C Certifications:	10/02/2023 09:00	10/02/2023 13:14	SS
108-88-3	Toluene	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/02/2023 09:00	10/02/2023 13:14	SS



Sample Information

<u>Client Sample ID:</u> OGS_EST (5-6)	<u>York Sample ID:</u>	23I1597-04
<u>York Project (SDG) No.</u> 23I1597	<u>Client Project ID</u> 140265801	<u>Matrix</u> Soil <u>Collection Date/Time</u> September 25, 2023 10:55 am <u>Date Received</u> 09/25/2023

VOA, 8260 RCP MASTER

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-60-5	trans-1,2-Dichloroethylene	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/02/2023 09:00	10/02/2023 13:14	SS
10061-02-6	trans-1,3-Dichloropropylene	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/02/2023 09:00	10/02/2023 13:14	SS
110-57-6	trans-1,4-dichloro-2-butene	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications:	10/02/2023 09:00	10/02/2023 13:14	SS
79-01-6	Trichloroethylene	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/02/2023 09:00	10/02/2023 13:14	SS
75-69-4	Trichlorofluoromethane	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/02/2023 09:00	10/02/2023 13:14	SS
75-01-4	Vinyl Chloride	ND	IS-LO	ug/kg dry	5.4	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/02/2023 09:00	10/02/2023 13:14	SS
Surrogate Recoveries		Result	Acceptance Range							
17060-07-0	Surrogate: Surr: 1,2-Dichloroethane-d4	102 %	IS-LO		70-130					
2037-26-5	Surrogate: Surr: Toluene-d8	95.5 %	IS-LO		70-130					
460-00-4	Surrogate: Surr: p-Bromofluorobenzene	96.3 %	IS-LO		70-130					

Total Petroleum Hydrocarbons-GRO (C5-C10)

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Total Petroleum Hydrocarbons-GRO		ND		mg/kg dry	114	100	EPA 8015D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	09/26/2023 09:00	09/26/2023 16:18	BMT
Surrogate Recoveries		Result	Acceptance Range							
460-00-4	Surrogate: Surr: p-Bromofluorobenzene	85.6 %			52-146					

Total Solids

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	78.0		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	10/02/2023 07:53	10/02/2023 15:30	sgs



Sample Information

Client Sample ID: OGS_FILL (1-2)

York Sample ID:

23I1597-05

York Project (SDG) No.
23I1597

Client Project ID
140265801

Matrix
Soil

Collection Date/Time
September 25, 2023 11:45 am

Date Received
09/25/2023

SVOA, 8270 ASE RCP MASTER

Sample Prepared by Method: EPA 3546- SVOA RCP

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	10/01/2023 08:34	10/03/2023 11:13	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:13	KH
90-12-0	1-Methylnaphthalene	ND		ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723	10/01/2023 08:34	10/03/2023 11:13	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	10/01/2023 08:34	10/03/2023 11:13	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:13	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:13	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:13	KH
51-28-5	2,4-Dinitrophenol	ND	CAL-E	ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:13	KH
121-14-2	2,4-Dinitrotoluene	ND	CAL-E	ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:13	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:13	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:13	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:13	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	10/01/2023 08:34	10/03/2023 11:13	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:13	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:13	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:13	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	10/01/2023 08:34	10/03/2023 11:13	KH
91-94-1	3,3-Dichlorobenzidine	ND	CAL-E	ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:13	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:13	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	10/01/2023 08:34	10/03/2023 11:13	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:13	KH



Sample Information

Client Sample ID: OGS_FILL (1-2)

York Sample ID: 23I1597-05

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
23I1597	140265801	Soil	September 25, 2023 11:45 am	09/25/2023

SVOA, 8270 ASE RCP MASTER

Sample Prepared by Method: EPA 3546- SVOA RCP

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:13	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:13	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:13	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:13	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:13	KH
83-32-9	Acenaphthene	ND		ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:13	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:13	KH
62-53-3	Aniline	ND		ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:13	KH
120-12-7	Anthracene	ND		ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:13	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:13	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:13	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:13	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:13	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:13	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:13	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:13	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:13	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:13	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:13	KH
86-74-8	Carbazole	ND		ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:13	KH
218-01-9	Chrysene	ND		ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:13	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:13	KH



Sample Information

Client Sample ID: OGS_FILL (1-2)

York Sample ID:

23I1597-05

York Project (SDG) No.
23I1597

Client Project ID
140265801

Matrix
Soil

Collection Date/Time
September 25, 2023 11:45 am

Date Received
09/25/2023

SVOA, 8270 ASE RCP MASTER

Sample Prepared by Method: EPA 3546- SVOA RCP

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
132-64-9	Dibenzofuran	ND		ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	10/01/2023 08:34	10/03/2023 11:13	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:13	KH
131-11-3	Dimethyl phthalate	ND	ICVE	ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:13	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:13	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:13	KH
206-44-0	Fluoranthene	ND		ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:13	KH
86-73-7	Fluorene	ND		ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:13	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:13	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:13	KH
77-47-4	Hexachlorocyclopentadiene	ND	ICVE	ug/kg dry	1130	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:13	KH
67-72-1	Hexachloroethane	ND	ICVE	ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:13	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:13	KH
78-59-1	Isophorone	ND		ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:13	KH
91-20-3	Naphthalene	ND		ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	10/01/2023 08:34	10/03/2023 11:13	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:13	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:13	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	10/01/2023 08:34	10/03/2023 11:13	KH
82-68-8	Pentachloronitrobenzene	ND		ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723	10/01/2023 08:34	10/03/2023 11:13	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:13	KH
85-01-8	Phenanthrene	ND		ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:13	KH
108-95-2	Phenol	ND		ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:13	KH
129-00-0	Pyrene	ND		ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:13	KH



Sample Information

Client Sample ID: OGS_FILL (1-2)

York Sample ID: 23I1597-05

York Project (SDG) No.
23I1597

Client Project ID
140265801

Matrix
Soil

Collection Date/Time
September 25, 2023 11:45 am

Date Received
09/25/2023

SVOA, 8270 ASE RCP MASTER

Sample Prepared by Method: EPA 3546- SVOA RCP

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-86-1	Pyridine	ND	ICVE	ug/kg dry	563	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:13	KH
Surrogate Recoveries										
Result Acceptance Range										
367-12-4 Surrogate: SURR: 2-Fluorophenol 56.0 % 30-130 13127-88-3 Surrogate: SURR: Phenol-d6 54.7 % 30-130 4165-60-0 Surrogate: SURR: Nitrobenzene-d5 63.4 % 30-130 321-60-8 Surrogate: SURR: 2-Fluorobiphenyl 57.4 % 30-130 118-79-6 Surrogate: SURR: 2,4,6-Tribromophenol 87.8 % 30-130 1718-51-0 Surrogate: SURR: Terphenyl-d14 64.4 % 30-130										

PEST, 8081 ASE RCP MASTER

Sample Prepared by Method: EPA 3545A

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00281	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 21:09	BCJ
72-55-9	4,4'-DDE	0.00696		mg/kg dry	0.00281	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 21:09	BCJ
50-29-3	4,4'-DDT	0.00634		mg/kg dry	0.00281	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 21:09	BCJ
15972-60-8	Alachlor	ND		mg/kg dry	0.00281	5	EPA 8081B Certifications: CTDOH-PH-0723	09/28/2023 08:04	09/29/2023 21:09	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00281	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 21:09	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00281	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 21:09	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00281	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 21:09	BCJ
57-74-9	Chlordane, total	ND		mg/kg dry	0.0375	5	EPA 8081B Certifications:	09/28/2023 08:04	09/29/2023 21:09	BCJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00281	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 21:09	BCJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00281	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 21:09	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00281	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 21:09	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00281	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	09/28/2023 08:04	09/29/2023 21:09	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00281	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 21:09	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00281	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 21:09	BCJ



Sample Information

Client Sample ID: OGS_FILL (1-2)

York Sample ID: 23I1597-05

York Project (SDG) No.
23I1597

Client Project ID
140265801

Matrix
Soil

Collection Date/Time
September 25, 2023 11:45 am

Date Received
09/25/2023

PEST. 8081 ASE RCP MASTER

Sample Prepared by Method: EPA 3545A

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00281	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 21:09	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00281	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 21:09	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00281	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 21:09	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00281	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 21:09	BCJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00281	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 21:09	BCJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.0141	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 21:09	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.142	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 21:09	BCJ
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	118 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	99.0 %	30-150							

Pesticides, TCLP RCRA List

Sample Prepared by Method: EPA 3510C/1311

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	Chlordane, total	ND		mg/L	0.000222	0.000222	1	EPA 8081B/1311 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/13/2023 08:36	10/15/2023 17:35	BCJ
72-20-8	Endrin	ND		mg/L	0.0000444	0.0000444	1	EPA 8081B/1311 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/13/2023 08:36	10/15/2023 17:35	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/L	0.0000444	0.0000444	1	EPA 8081B/1311 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/13/2023 08:36	10/15/2023 17:35	BCJ
76-44-8	Heptachlor	ND		mg/L	0.0000444	0.0000444	1	EPA 8081B/1311 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/13/2023 08:36	10/15/2023 17:35	BCJ
1024-57-3	Heptachlor epoxide	ND		mg/L	0.0000444	0.0000444	1	EPA 8081B/1311 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/13/2023 08:36	10/15/2023 17:35	BCJ
72-43-5	Methoxychlor	ND		mg/L	0.0000444	0.0000444	1	EPA 8081B/1311 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/13/2023 08:36	10/15/2023 17:35	BCJ
8001-35-2	Toxaphene	ND		mg/L	0.00111	0.00111	1	EPA 8081B/1311 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/13/2023 08:36	10/15/2023 17:35	BCJ
Surrogate Recoveries		Result	Acceptance Range								
2051-24-3	Surrogate: Decachlorobiphenyl	73.3 %	30-120								
877-09-8	Surrogate: Tetrachloro-m-xylene	63.3 %	30-120								

PCB. 8082 ASE RCP MASTER

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: OGS_FILL (1-2)

York Sample ID:

23I1597-05

York Project (SDG) No.
23I1597

Client Project ID
140265801

Matrix
Soil

Collection Date/Time
September 25, 2023 11:45 am

Date Received
09/25/2023

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0284	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 20:22	BCJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0284	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 20:22	BCJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0284	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 20:22	BCJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0284	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 20:22	BCJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0284	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 20:22	BCJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0284	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 20:22	BCJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0284	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 20:22	BCJ
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0284	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP-CT005	09/28/2023 08:04	09/29/2023 20:22	BCJ
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0284	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP-CT005	09/28/2023 08:04	09/29/2023 20:22	BCJ
1336-36-3	Total PCBs	ND		mg/kg dry	0.0284	1	EPA 8082A Certifications:	09/28/2023 08:04	09/29/2023 20:22	BCJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	94.0 %	30-150							
2051-24-3	Surrogate: Decachlorobiphenyl	62.5 %	30-150							

HERB, 8151 RCP MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0226	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/02/2023 08:11	10/03/2023 13:50	BCJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0226	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/02/2023 08:11	10/03/2023 13:50	BCJ
94-75-7	2,4-D	ND		mg/kg dry	0.0226	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/02/2023 08:11	10/03/2023 13:50	BCJ
75-99-0	Dalapon	ND		mg/kg dry	0.0226	1	EPA 8151A Certifications: CTDOH-PH-0723	10/02/2023 08:11	10/03/2023 13:50	BCJ
1918-00-9	Dicamba	ND		mg/kg dry	0.0226	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/02/2023 08:11	10/03/2023 13:50	BCJ
Surrogate Recoveries		Result	Acceptance Range							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid	(. 99.4 %	21-150							

Total Petroleum Hydrocarbons-DRO (C10-C28)

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: OGS_FILL (1-2)

York Sample ID: 23I1597-05

York Project (SDG) No.
23I1597

Client Project ID
140265801

Matrix
Soil

Collection Date/Time
September 25, 2023 11:45 am

Date Received
09/25/2023

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Petroleum Hydrocarbons-DRO	19.5		mg/kg dry	11.3	1	EPA 8015D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	09/28/2023 09:00	09/29/2023 17:58	GXB
638-68-6	Surrogate Recoveries <i>Surrogate: Triacontane</i>	Result <i>106 %</i>		Acceptance Range <i>30-150</i>						

Metals, CTDEP RCP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	5.88	M-CCV 1	mg/kg dry	1.99	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 19:00	10/02/2023 19:50	CEG
7440-38-2	Arsenic	26.3		mg/kg dry	1.20	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 19:00	10/02/2023 19:50	CEG
7440-39-3	Barium	79.1		mg/kg dry	1.99	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 19:00	10/02/2023 19:50	CEG
7440-41-7	Beryllium	ND		mg/kg dry	0.040	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 19:00	10/02/2023 19:50	CEG
7440-43-9	Cadmium	ND		mg/kg dry	0.239	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 19:00	10/02/2023 19:50	CEG
7440-47-3	Chromium	24.9		mg/kg dry	0.399	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 19:00	10/02/2023 19:50	CEG
7440-50-8	Copper	19.3		mg/kg dry	1.60	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 19:00	10/02/2023 19:50	CEG
7439-92-1	Lead	42.5		mg/kg dry	0.399	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 19:00	10/02/2023 19:50	CEG
7440-02-0	Nickel	15.7		mg/kg dry	0.794	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 19:00	10/02/2023 19:50	CEG
7782-49-2	Selenium	ND		mg/kg dry	1.99	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 19:00	10/02/2023 19:50	CEG
7440-22-4	Silver	ND		mg/kg dry	0.402	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 19:00	10/02/2023 19:50	CEG
7440-28-0	Thallium	3.81		mg/kg dry	1.99	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 19:00	10/02/2023 19:50	CEG
7440-62-2	Vanadium	33.7		mg/kg dry	0.794	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 19:00	10/02/2023 19:50	CEG
7440-66-6	Zinc	49.5		mg/kg dry	1.99	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 19:00	10/02/2023 19:50	CEG

Metals, TCLP RCRA

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/L	0.375	1	EPA 6010D/1311 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/16/2023 09:39	10/16/2023 19:20	CEG



Sample Information

Client Sample ID: OGS_FILL (1-2)

York Sample ID: 23I1597-05

York Project (SDG) No.
23I1597

Client Project ID
140265801

Matrix
Soil

Collection Date/Time
September 25, 2023 11:45 am

Date Received
09/25/2023

Metals, TCLP RCRA

Sample Prepared by Method: EPA 3015A/1311

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-39-3	Barium	ND		mg/L	0.625	1	EPA 6010D/1311 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/16/2023 09:39	10/16/2023 19:20	CEG
7440-43-9	Cadmium	ND		mg/L	0.075	1	EPA 6010D/1311 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/16/2023 09:39	10/16/2023 19:20	CEG
7440-47-3	Chromium	ND		mg/L	0.125	1	EPA 6010D/1311 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/16/2023 09:39	10/16/2023 19:20	CEG
7439-92-1	Lead	ND		mg/L	0.125	1	EPA 6010D/1311 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/16/2023 09:39	10/16/2023 19:20	CEG
7782-49-2	Selenium	ND		mg/L	0.625	1	EPA 6010D/1311 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/16/2023 09:39	10/16/2023 19:20	CEG
7440-22-4	Silver	ND		mg/L	0.125	1	EPA 6010D/1311 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/16/2023 09:39	10/16/2023 19:20	CEG

Mercury by 7473

Sample Prepared by Method: EPA 7473 soil

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0344	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP-CT005,NELAC-NY10854,PADEP-68-044	09/30/2023 09:39	09/30/2023 14:46	AGNR

Mercury, TCLP

Sample Prepared by Method: EPA SW846-7470A

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.000200	1	EPA 7470/1311 Certifications: CTDOH-PH-0723,NJDEP-CT005,PADEP-68-0440,NELAC-NY10854	10/11/2023 13:26	10/11/2023 13:26	PFA

Chromium, Hexavalent

Sample Prepared by Method: EPA SW846-3060

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.574	1	EPA 7196A Certifications: NJDEP-CT005,CTDOH-PH-0723,NELAC-NY10854,PADEP-68-044	09/27/2023 14:47	09/27/2023 21:57	SMK

Chromium, Trivalent

Sample Prepared by Method: Analysis Preparation

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	Chromium, Trivalent	24.9		mg/kg	0.500	1	Calculation Certifications:	10/03/2023 06:52	10/03/2023 10:12	PAM

Conductivity (Specific Conductance)

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: OGS_FILL (1-2)

York Sample ID: 23I1597-05

York Project (SDG) No.
23I1597

Client Project ID
140265801

Matrix

Soil

Collection Date/Time

September 25, 2023 11:45 am

Date Received

09/25/2023

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Conductivity	36.75		umhos/cm	1.000	1	SM 2510B m Certifications:	09/26/2023 06:32	09/26/2023 09:05	VR

Corrosivity (pH) by SM 4500/EPA 9045D

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	pH	7.60		pH units	0.500	1	EPA 9045D Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440	09/27/2023 06:56	09/27/2023 12:56	VR

Reactivity-Cyanide

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Reactivity - Cyanide	ND		mg/kg	0.250	1	EPA SW-846 Ch.7.3.3 Certifications: CTDOH-PH-0723,PADEP-68-04440	09/28/2023 14:47	09/28/2023 21:14	SL

Reactivity-Sulfide

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Reactivity - Sulfide	24.0		mg/kg	15.0	1	EPA SW-846 Ch.7.3.4 Certifications: CTDOH-PH-0723,PADEP-68-04440	09/28/2023 14:49	09/28/2023 22:15	SL

Temperature

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Temperature	23.1		°C	1.00	1	EPA 170.1 Certifications:	09/27/2023 06:56	09/27/2023 12:56	VR

Ignitability

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Ignitability	Non-Ignit.		None	1	1	EPA 1030P Certifications:	09/26/2023 18:23	09/26/2023 20:32	CAM2

Paint Filter Test

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Paint Filter Test	No Free Liquid		None	0.05	1	EPA 9095B Certifications: NELAC-NY10854,NJDEP-CT005	09/29/2023 09:02	09/29/2023 09:13	VR

Total Solids

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: OGS_FILL (1-2)

York Sample ID: 23I1597-05

York Project (SDG) No.
23I1597

Client Project ID
140265801

Matrix

Soil

Collection Date/Time

September 25, 2023 11:45 am

Date Received

09/25/2023

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	87.1		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	10/02/2023 07:53	10/02/2023 15:30	sgs

TCLP Extraction for METALS EPA 1311

Log-in Notes:

Sample Notes: EXT-Temp

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for metals

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
TCLP Extraction		Completed		N/A	1.00	1	EPA 1311 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	10/10/2023 11:13	10/11/2023 08:52	TAJ

TCLP Extraction for SVOCs/PEST/HERB

Log-in Notes:

Sample Notes: EXT-Temp, HT-04

Sample Prepared by Method: EPA SW 846-1311 TCLP extr. for SVOA/PEST/HERBS

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
TCLP Extraction		Completed	HT-04	N/A	1.00	1	EPA 1311 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	10/10/2023 11:41	10/11/2023 09:17	TAJ



Sample Information

Client Sample ID: OGS_EST (3-4)

York Sample ID: 23I1597-06

York Project (SDG) No.
23I1597

Client Project ID
140265801

Matrix
Soil

Collection Date/Time
September 25, 2023 11:55 am

Date Received
09/25/2023

SVOA, 8270 ASE RCP MASTER

Sample Prepared by Method: EPA 3546- SVOA RCP

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	10/01/2023 08:34	10/03/2023 11:42	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:42	KH
90-12-0	1-Methylnaphthalene	ND		ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723	10/01/2023 08:34	10/03/2023 11:42	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	10/01/2023 08:34	10/03/2023 11:42	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:42	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:42	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:42	KH
51-28-5	2,4-Dinitrophenol	ND	CAL-E	ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:42	KH
121-14-2	2,4-Dinitrotoluene	ND	CAL-E	ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:42	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:42	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:42	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:42	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	10/01/2023 08:34	10/03/2023 11:42	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:42	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:42	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:42	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	10/01/2023 08:34	10/03/2023 11:42	KH
91-94-1	3,3-Dichlorobenzidine	ND	CAL-E	ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:42	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:42	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	10/01/2023 08:34	10/03/2023 11:42	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:42	KH



Sample Information

Client Sample ID: OGS_EST (3-4)

York Sample ID:

23I1597-06

York Project (SDG) No.

23I1597

Client Project ID

140265801

Matrix

Soil

Collection Date/Time

September 25, 2023 11:55 am

Date Received

09/25/2023

SVOA, 8270 ASE RCP MASTER

Sample Prepared by Method: EPA 3546- SVOA RCP

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:42	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:42	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:42	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:42	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:42	KH
83-32-9	Acenaphthene	ND		ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:42	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:42	KH
62-53-3	Aniline	ND		ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:42	KH
120-12-7	Anthracene	ND		ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:42	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:42	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:42	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:42	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:42	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:42	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:42	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:42	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:42	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:42	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:42	KH
86-74-8	Carbazole	ND		ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:42	KH
218-01-9	Chrysene	ND		ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:42	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:42	KH



Sample Information

Client Sample ID: OGS_EST (3-4)

York Sample ID:

23I1597-06

York Project (SDG) No.

23I1597

Client Project ID

140265801

Matrix

Soil

Collection Date/Time

September 25, 2023 11:55 am

Date Received

09/25/2023

SVOA, 8270 ASE RCP MASTER

Sample Prepared by Method: EPA 3546- SVOA RCP

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
132-64-9	Dibenzofuran	ND		ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	10/01/2023 08:34	10/03/2023 11:42	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:42	KH
131-11-3	Dimethyl phthalate	ND	ICVE	ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:42	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:42	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:42	KH
206-44-0	Fluoranthene	ND		ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:42	KH
86-73-7	Fluorene	ND		ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:42	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:42	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:42	KH
77-47-4	Hexachlorocyclopentadiene	ND	ICVE	ug/kg dry	1340	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:42	KH
67-72-1	Hexachloroethane	ND	ICVE	ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:42	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:42	KH
78-59-1	Isophorone	ND		ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:42	KH
91-20-3	Naphthalene	ND		ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	10/01/2023 08:34	10/03/2023 11:42	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:42	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:42	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	10/01/2023 08:34	10/03/2023 11:42	KH
82-68-8	Pentachloronitrobenzene	ND		ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723	10/01/2023 08:34	10/03/2023 11:42	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:42	KH
85-01-8	Phenanthrene	ND		ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:42	KH
108-95-2	Phenol	ND		ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:42	KH
129-00-0	Pyrene	ND		ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:42	KH



Sample Information

Client Sample ID: OGS_EST (3-4)

York Sample ID: 23I1597-06

York Project (SDG) No.
23I1597

Client Project ID
140265801

Matrix
Soil

Collection Date/Time
September 25, 2023 11:55 am

Date Received
09/25/2023

SVOA, 8270 ASE RCP MASTER

Sample Prepared by Method: EPA 3546- SVOA RCP

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-86-1	Pyridine	ND	ICVE	ug/kg dry	671	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 11:42	KH
Surrogate Recoveries										
Result										
Acceptance Range										
367-12-4	Surrogate: SURR: 2-Fluorophenol	16.0 %	S-08	30-130						
13127-88-3	Surrogate: SURR: Phenol-d6	14.6 %	S-08	30-130						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	17.8 %	S-08	30-130						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	16.2 %	S-08	30-130						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	21.6 %	S-08	30-130						
1718-51-0	Surrogate: SURR: Terphenyl-d14	17.0 %	S-08	30-130						

PEST, 8081 ASE RCP MASTER

Sample Prepared by Method: EPA 3545A

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00324	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 21:26	BCJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00324	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 21:26	BCJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00324	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 21:26	BCJ
15972-60-8	Alachlor	ND		mg/kg dry	0.00324	5	EPA 8081B Certifications: CTDOH-PH-0723	09/28/2023 08:04	09/29/2023 21:26	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00324	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 21:26	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00324	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 21:26	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00324	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 21:26	BCJ
57-74-9	Chlordane, total	ND		mg/kg dry	0.0432	5	EPA 8081B Certifications:	09/28/2023 08:04	09/29/2023 21:26	BCJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00324	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 21:26	BCJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00324	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 21:26	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00324	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 21:26	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00324	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	09/28/2023 08:04	09/29/2023 21:26	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00324	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 21:26	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00324	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 21:26	BCJ



Sample Information

<u>Client Sample ID:</u> OGS_EST (3-4)	<u>York Sample ID:</u>	23I1597-06
<u>York Project (SDG) No.</u> 23I1597	<u>Client Project ID</u> 140265801	<u>Matrix</u> Soil <u>Collection Date/Time</u> September 25, 2023 11:55 am <u>Date Received</u> 09/25/2023

PEST, 8081 ASE RCP MASTER

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00324	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 21:26	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00324	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 21:26	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00324	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 21:26	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00324	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 21:26	BCJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00324	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 21:26	BCJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.0162	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 21:26	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.164	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 21:26	BCJ
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	84.1 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	80.8 %	30-150							

PCB, 8082 ASE RCP MASTER

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0327	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 20:36	BCJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0327	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 20:36	BCJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0327	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 20:36	BCJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0327	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 20:36	BCJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0327	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 20:36	BCJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0327	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 20:36	BCJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0327	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 20:36	BCJ
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0327	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP-CT005	09/28/2023 08:04	09/29/2023 20:36	BCJ
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0327	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP-CT005	09/28/2023 08:04	09/29/2023 20:36	BCJ
1336-36-3	Total PCBs	ND		mg/kg dry	0.0327	1	EPA 8082A Certifications:	09/28/2023 08:04	09/29/2023 20:36	BCJ



Sample Information

Client Sample ID: OGS_EST (3-4)

York Sample ID:

23I1597-06

York Project (SDG) No.

23I1597

Client Project ID

140265801

Matrix

Soil

Collection Date/Time

September 25, 2023 11:55 am

Date Received

09/25/2023

PCB, 8082 ASE RCP MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Surrogate Recoveries										
877-09-8 <i>Surrogate: Tetrachloro-m-xylene</i>										
64.5 % 30-150										
2051-24-3 <i>Surrogate: Decachlorobiphenyl</i>										
51.5 % 30-150										

HERB, 8151 RCP MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0271	1	EPA 8151A	10/02/2023 08:11	10/03/2023 14:01	BCJ
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044										
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0271	1	EPA 8151A	10/02/2023 08:11	10/03/2023 14:01	BCJ
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044										
94-75-7	2,4-D	ND		mg/kg dry	0.0271	1	EPA 8151A	10/02/2023 08:11	10/03/2023 14:01	BCJ
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044										
75-99-0	Dalapon	ND		mg/kg dry	0.0271	1	EPA 8151A	10/02/2023 08:11	10/03/2023 14:01	BCJ
Certifications: CTDOH-PH-0723										
1918-00-9	Dicamba	ND		mg/kg dry	0.0271	1	EPA 8151A	10/02/2023 08:11	10/03/2023 14:01	BCJ
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044										
Surrogate Recoveries										
19719-28-9	<i>Surrogate: 2,4-Dichlorophenylacetic acid (. 96.0 %</i>				Acceptance Range					
21-150										

Total Petroleum Hydrocarbons-DRO (C10-C28)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Total Petroleum Hydrocarbons-DRO										
25.3 mg/kg dry										
13.3 1										
EPA 8015D NELAC-NY10854,NJDEP-CT005,PADEP-68-044										
Surrogate Recoveries										
638-68-6	<i>Surrogate: Triacetone</i>	95.0 %			Acceptance Range					
30-150										

Metals, CTDEP RCP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Antimony										
6.53 M-CCV mg/kg dry										
2.36 1										
EPA 6010D CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044										
Arsenic										
15.3 mg/kg dry										
1.42 1										
EPA 6010D CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044										
Barium										
165 mg/kg dry										
2.36 1										
EPA 6010D CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044										



Sample Information

<u>Client Sample ID:</u> OGS_EST (3-4)	<u>York Sample ID:</u>	23I1597-06
<u>York Project (SDG) No.</u> 23I1597	<u>Client Project ID</u> 140265801	<u>Matrix</u> Soil <u>Collection Date/Time</u> September 25, 2023 11:55 am <u>Date Received</u> 09/25/2023

Metals, CTDEP RCP

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-41-7	Beryllium	0.250		mg/kg dry	0.048	1	EPA 6010D	09/28/2023 19:00	10/02/2023 19:53	CEG
					Certifications:		CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044			
7440-43-9	Cadmium	ND		mg/kg dry	0.284	1	EPA 6010D	09/28/2023 19:00	10/02/2023 19:53	CEG
					Certifications:		CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044			
7440-47-3	Chromium	33.8		mg/kg dry	0.473	1	EPA 6010D	09/28/2023 19:00	10/02/2023 19:53	CEG
					Certifications:		CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044			
7440-50-8	Copper	18.5		mg/kg dry	1.89	1	EPA 6010D	09/28/2023 19:00	10/02/2023 19:53	CEG
					Certifications:		CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044			
7439-92-1	Lead	33.5		mg/kg dry	0.473	1	EPA 6010D	09/28/2023 19:00	10/02/2023 19:53	CEG
					Certifications:		CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044			
7440-02-0	Nickel	22.2		mg/kg dry	0.941	1	EPA 6010D	09/28/2023 19:00	10/02/2023 19:53	CEG
					Certifications:		CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044			
7782-49-2	Selenium	ND		mg/kg dry	2.36	1	EPA 6010D	09/28/2023 19:00	10/02/2023 19:53	CEG
					Certifications:		CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044			
7440-22-4	Silver	ND		mg/kg dry	0.476	1	EPA 6010D	09/28/2023 19:00	10/02/2023 19:53	CEG
					Certifications:		CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044			
7440-28-0	Thallium	5.51		mg/kg dry	2.36	1	EPA 6010D	09/28/2023 19:00	10/02/2023 19:53	CEG
					Certifications:		CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044			
7440-62-2	Vanadium	47.6		mg/kg dry	0.941	1	EPA 6010D	09/28/2023 19:00	10/02/2023 19:53	CEG
					Certifications:		CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044			
7440-66-6	Zinc	51.8		mg/kg dry	2.35	1	EPA 6010D	09/28/2023 19:00	10/02/2023 19:53	CEG
					Certifications:		CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044			

Metals, TCLP RCRA

Sample Prepared by Method: EPA 3015A/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/L	0.375	1	EPA 6010D/1311	10/16/2023 09:39	10/16/2023 19:24	CEG
					Certifications:		CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044			
7440-39-3	Barium	ND		mg/L	0.625	1	EPA 6010D/1311	10/16/2023 09:39	10/16/2023 19:24	CEG
					Certifications:		CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044			
7440-43-9	Cadmium	ND		mg/L	0.075	1	EPA 6010D/1311	10/16/2023 09:39	10/16/2023 19:24	CEG
					Certifications:		CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044			
7440-47-3	Chromium	ND		mg/L	0.125	1	EPA 6010D/1311	10/16/2023 09:39	10/16/2023 19:24	CEG
					Certifications:		CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044			
7439-92-1	Lead	ND		mg/L	0.125	1	EPA 6010D/1311	10/16/2023 09:39	10/16/2023 19:24	CEG
					Certifications:		CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044			
7782-49-2	Selenium	ND		mg/L	0.625	1	EPA 6010D/1311	10/16/2023 09:39	10/16/2023 19:24	CEG
					Certifications:		CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044			
7440-22-4	Silver	ND		mg/L	0.125	1	EPA 6010D/1311	10/16/2023 09:39	10/16/2023 19:24	CEG
					Certifications:		CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044			

Mercury by 7473

Log-in Notes:

Sample Notes:



Sample Information

<u>Client Sample ID:</u> OGS_EST (3-4)	<u>York Sample ID:</u>	23I1597-06
<u>York Project (SDG) No.</u> 23I1597	<u>Client Project ID</u> 140265801	<u>Matrix</u> Soil <u>Collection Date/Time</u> September 25, 2023 11:55 am <u>Date Received</u> 09/25/2023

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0683		mg/kg dry	0.0408	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP-CT005,NELAC-NY10854,PADEP-68-044	09/30/2023 09:39	09/30/2023 14:46	AGNR

Mercury, TCLP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.000200	1	EPA 7470/1311 Certifications: CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04440,NELAC-NY10854	10/11/2023 13:26	10/11/2023 13:26	PFA

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.681	1	EPA 7196A Certifications: NJDEP-CT005,CTDOH-PH-0723,NELAC-NY10854,PADEP-68-044	09/27/2023 14:47	09/27/2023 21:57	SMK

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	Chromium, Trivalent	33.8		mg/kg	0.500	1	Calculation Certifications:	10/03/2023 06:52	10/03/2023 10:12	PAM

Conductivity (Specific Conductance)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Conductivity	126.5		umhos/cm	1.000	1	SM 2510B m Certifications:	09/26/2023 06:32	09/26/2023 09:05	VR

Corrosivity (pH) by SM 4500/EPA 9045D

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	pH	6.75		pH units	0.500	1	EPA 9045D Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440	09/27/2023 06:56	09/27/2023 12:56	VR

Reactivity-Cyanide

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Reactivity - Cyanide	ND		mg/kg	0.250	1	EPA SW-846 Ch.7.3.3 Certifications: CTDOH-PH-0723,PADEP-68-04440	09/28/2023 14:47	09/28/2023 21:14	SL

Reactivity-Sulfide

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: OGS_EST (3-4)

York Sample ID:

23I1597-06

York Project (SDG) No.
23I1597

Client Project ID
140265801

Matrix

Soil

Collection Date/Time

September 25, 2023 11:55 am

Date Received

09/25/2023

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Reactivity - Sulfide	48.0		mg/kg	15.0	1	EPA SW-846 Ch.7.3.4 Certifications: CTDOH-PH-0723,PADEP-68-04440	09/28/2023 14:49	09/28/2023 22:15	SL

Temperature

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Temperature	23.1		°C	1.00	1	EPA 170.1 Certifications:	09/27/2023 06:56	09/27/2023 12:56	VR

Ignitability

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Ignitability	Non-Ignit.		None	1	1	EPA 1030P Certifications:	09/26/2023 18:23	09/26/2023 20:32	CAM2

Paint Filter Test

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Paint Filter Test	No Free Liquid		None	0.05	1	EPA 9095B Certifications: NELAC-NY10854,NJDEP-CT005	09/29/2023 09:02	09/29/2023 09:13	VR

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	73.5		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	10/02/2023 07:53	10/02/2023 15:30	sgs

TCLP Extraction for METALS EPA 1311

Log-in Notes:

Sample Notes: EXT-Temp

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for metals

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	TCLP Extraction	Completed		N/A	1.00	1	EPA 1311 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	10/10/2023 11:13	10/11/2023 08:52	TAJ



Sample Information

<u>Client Sample ID:</u> OGS_EST (4-5)	<u>York Sample ID:</u> 23I1597-07			
<u>York Project (SDG) No.</u> 23I1597	<u>Client Project ID</u> 140265801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 25, 2023 12:05 pm	<u>Date Received</u> 09/25/2023

SVOA, 8270 ASE RCP MASTER

Sample Prepared by Method: EPA 3546- SVOA RCP

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	10/01/2023 08:34	10/03/2023 12:12	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:12	KH
90-12-0	1-Methylnaphthalene	ND		ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723	10/01/2023 08:34	10/03/2023 12:12	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	10/01/2023 08:34	10/03/2023 12:12	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:12	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:12	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:12	KH
51-28-5	2,4-Dinitrophenol	ND	CAL-E	ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:12	KH
121-14-2	2,4-Dinitrotoluene	ND	CAL-E	ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:12	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:12	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:12	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:12	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	10/01/2023 08:34	10/03/2023 12:12	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:12	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:12	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:12	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	10/01/2023 08:34	10/03/2023 12:12	KH
91-94-1	3,3-Dichlorobenzidine	ND	CAL-E	ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:12	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:12	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	10/01/2023 08:34	10/03/2023 12:12	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:12	KH



Sample Information

Client Sample ID: OGS_EST (4-5)

York Sample ID: 23I1597-07

York Project (SDG) No.
23I1597

Client Project ID
140265801

Matrix
Soil

Collection Date/Time
September 25, 2023 12:05 pm

Date Received
09/25/2023

SVOA, 8270 ASE RCP MASTER

Sample Prepared by Method: EPA 3546- SVOA RCP

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:12	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:12	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:12	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:12	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:12	KH
83-32-9	Acenaphthene	ND		ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:12	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:12	KH
62-53-3	Aniline	ND		ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:12	KH
120-12-7	Anthracene	ND		ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:12	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:12	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:12	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:12	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:12	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:12	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:12	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:12	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:12	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:12	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:12	KH
86-74-8	Carbazole	ND		ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:12	KH
218-01-9	Chrysene	ND		ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:12	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:12	KH



Sample Information

Client Sample ID: OGS_EST (4-5) York Sample ID: 23I1597-07

York Project (SDG) No. 23I1597 Client Project ID 140265801 Matrix Soil Collection Date/Time September 25, 2023 12:05 pm Date Received 09/25/2023

SVOA, 8270 ASE RCP MASTER

Sample Prepared by Method: EPA 3546- SVOA RCP

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
132-64-9	Dibenzofuran	ND		ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	10/01/2023 08:34	10/03/2023 12:12	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:12	KH
131-11-3	Dimethyl phthalate	ND	ICVE	ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:12	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:12	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:12	KH
206-44-0	Fluoranthene	ND		ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:12	KH
86-73-7	Fluorene	ND		ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:12	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:12	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:12	KH
77-47-4	Hexachlorocyclopentadiene	ND	ICVE	ug/kg dry	1210	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:12	KH
67-72-1	Hexachloroethane	ND	ICVE	ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:12	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:12	KH
78-59-1	Isophorone	ND		ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:12	KH
91-20-3	Naphthalene	ND		ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	10/01/2023 08:34	10/03/2023 12:12	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:12	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:12	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	10/01/2023 08:34	10/03/2023 12:12	KH
82-68-8	Pentachloronitrobenzene	ND		ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723	10/01/2023 08:34	10/03/2023 12:12	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:12	KH
85-01-8	Phenanthrene	ND		ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:12	KH
108-95-2	Phenol	ND		ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:12	KH
129-00-0	Pyrene	ND		ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:12	KH



Sample Information

Client Sample ID: OGS_EST (4-5)

York Sample ID: 23I1597-07

York Project (SDG) No.
23I1597

Client Project ID
140265801

Matrix
Soil

Collection Date/Time
September 25, 2023 12:05 pm

Date Received
09/25/2023

SVOA, 8270 ASE RCP MASTER

Sample Prepared by Method: EPA 3546- SVOA RCP

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-86-1	Pyridine	ND	ICVE	ug/kg dry	603	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:12	KH
Surrogate Recoveries										
Result Acceptance Range										
367-12-4 Surrogate: SURR: 2-Fluorophenol 49.6 % 30-130										
13127-88-3 Surrogate: SURR: Phenol-d6 48.4 % 30-130										
4165-60-0 Surrogate: SURR: Nitrobenzene-d5 52.4 % 30-130										
321-60-8 Surrogate: SURR: 2-Fluorobiphenyl 47.4 % 30-130										
118-79-6 Surrogate: SURR: 2,4,6-Tribromophenol 74.2 % 30-130										
1718-51-0 Surrogate: SURR: Terphenyl-d14 55.3 % 30-130										

PEST, 8081 ASE RCP MASTER

Sample Prepared by Method: EPA 3545A

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00296	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 21:44	BCJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00296	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 21:44	BCJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00296	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 21:44	BCJ
15972-60-8	Alachlor	ND		mg/kg dry	0.00296	5	EPA 8081B Certifications: CTDOH-PH-0723	09/28/2023 08:04	09/29/2023 21:44	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00296	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 21:44	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00296	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 21:44	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00296	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 21:44	BCJ
57-74-9	Chlordane, total	ND		mg/kg dry	0.0394	5	EPA 8081B Certifications:	09/28/2023 08:04	09/29/2023 21:44	BCJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00296	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 21:44	BCJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00296	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 21:44	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00296	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 21:44	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00296	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	09/28/2023 08:04	09/29/2023 21:44	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00296	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 21:44	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00296	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 21:44	BCJ



Sample Information

Client Sample ID: OGS_EST (4-5)

York Sample ID: 23I1597-07

York Project (SDG) No.
23I1597

Client Project ID
140265801

Matrix
Soil

Collection Date/Time
September 25, 2023 12:05 pm

Date Received
09/25/2023

PEST, 8081 ASE RCP MASTER

Sample Prepared by Method: EPA 3545A

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00296	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 21:44	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00296	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 21:44	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00296	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 21:44	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00296	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 21:44	BCJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00296	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 21:44	BCJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.0148	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 21:44	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.149	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 21:44	BCJ
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	100 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	95.8 %	30-150							

PCB, 8082 ASE RCP MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0299	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 20:49	BCJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0299	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 20:49	BCJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0299	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 20:49	BCJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0299	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 20:49	BCJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0299	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 20:49	BCJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0299	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 20:49	BCJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0299	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	09/28/2023 08:04	09/29/2023 20:49	BCJ
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0299	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP-CT005	09/28/2023 08:04	09/29/2023 20:49	BCJ
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0299	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP-CT005	09/28/2023 08:04	09/29/2023 20:49	BCJ
1336-36-3	Total PCBs	ND		mg/kg dry	0.0299	1	EPA 8082A Certifications:	09/28/2023 08:04	09/29/2023 20:49	BCJ



Sample Information

<u>Client Sample ID:</u> OGS_EST (4-5)	<u>York Sample ID:</u>	23I1597-07
<u>York Project (SDG) No.</u> 23I1597	<u>Client Project ID</u> 140265801	<u>Matrix</u> Soil <u>Collection Date/Time</u> September 25, 2023 12:05 pm <u>Date Received</u> 09/25/2023

PCB, 8082 ASE RCP MASTER

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Surrogate Recoveries										
877-09-8 <i>Surrogate: Tetrachloro-m-xylene</i>										
77.5 % 30-150										
2051-24-3 <i>Surrogate: Decachlorobiphenyl</i>										
48.5 % 30-150										

HERB, 8151 RCP MASTER

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0243	1	EPA 8151A	10/02/2023 08:11	10/03/2023 14:12	BCJ
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044										
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0243	1	EPA 8151A	10/02/2023 08:11	10/03/2023 14:12	BCJ
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044										
94-75-7	2,4-D	ND		mg/kg dry	0.0243	1	EPA 8151A	10/02/2023 08:11	10/03/2023 14:12	BCJ
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044										
75-99-0	Dalapon	ND		mg/kg dry	0.0243	1	EPA 8151A	10/02/2023 08:11	10/03/2023 14:12	BCJ
Certifications: CTDOH-PH-0723										
1918-00-9	Dicamba	ND		mg/kg dry	0.0243	1	EPA 8151A	10/02/2023 08:11	10/03/2023 14:12	BCJ
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044										
Surrogate Recoveries										
19719-28-9	<i>Surrogate: 2,4-Dichlorophenylacetic acid (. 94.4 %</i>				Acceptance Range					
21-150										

Total Petroleum Hydrocarbons-DRO (C10-C28)

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Total Petroleum Hydrocarbons-DRO										
17.7 mg/kg dry										
11.5 1										
EPA 8015D NELAC-NY10854,NJDEP-CT005,PADEP-68-04440										
Surrogate Recoveries										
638-68-6	<i>Surrogate: Triacetone</i>	62.5 %			Acceptance Range					
30-150										

Metals, CTDEP RCP

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Antimony										
4.68 M-CCV mg/kg dry										
2.12 1										
EPA 6010D CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044										
Arsenic										
9.08 mg/kg dry										
1.27 1										
EPA 6010D CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044										
Barium										
175 mg/kg dry										
2.11 1										
EPA 6010D CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044										



Sample Information

<u>Client Sample ID:</u> OGS_EST (4-5)	<u>York Sample ID:</u>	23I1597-07
<u>York Project (SDG) No.</u> 23I1597	<u>Client Project ID</u> 140265801	<u>Matrix</u> Soil <u>Collection Date/Time</u> September 25, 2023 12:05 pm <u>Date Received</u> 09/25/2023

Metals, CTDEP RCP

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-41-7	Beryllium	0.338		mg/kg dry	0.043	1	EPA 6010D	09/28/2023 19:00	10/02/2023 19:56	CEG
					Certifications:		CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044			
7440-43-9	Cadmium	ND		mg/kg dry	0.254	1	EPA 6010D	09/28/2023 19:00	10/02/2023 19:56	CEG
					Certifications:		CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044			
7440-47-3	Chromium	30.9		mg/kg dry	0.423	1	EPA 6010D	09/28/2023 19:00	10/02/2023 19:56	CEG
					Certifications:		CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044			
7440-50-8	Copper	14.0		mg/kg dry	1.69	1	EPA 6010D	09/28/2023 19:00	10/02/2023 19:56	CEG
					Certifications:		CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044			
7439-92-1	Lead	23.3		mg/kg dry	0.423	1	EPA 6010D	09/28/2023 19:00	10/02/2023 19:56	CEG
					Certifications:		CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044			
7440-02-0	Nickel	20.2		mg/kg dry	0.843	1	EPA 6010D	09/28/2023 19:00	10/02/2023 19:56	CEG
					Certifications:		CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044			
7782-49-2	Selenium	ND		mg/kg dry	2.12	1	EPA 6010D	09/28/2023 19:00	10/02/2023 19:56	CEG
					Certifications:		CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044			
7440-22-4	Silver	ND		mg/kg dry	0.426	1	EPA 6010D	09/28/2023 19:00	10/02/2023 19:56	CEG
					Certifications:		CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044			
7440-28-0	Thallium	ND		mg/kg dry	2.12	1	EPA 6010D	09/28/2023 19:00	10/02/2023 19:56	CEG
					Certifications:		CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044			
7440-62-2	Vanadium	36.4		mg/kg dry	0.843	1	EPA 6010D	09/28/2023 19:00	10/02/2023 19:56	CEG
					Certifications:		CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044			
7440-66-6	Zinc	42.9		mg/kg dry	2.11	1	EPA 6010D	09/28/2023 19:00	10/02/2023 19:56	CEG
					Certifications:		CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044			

Metals, TCLP RCRA

Sample Prepared by Method: EPA 3015A/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/L	0.375	1	EPA 6010D/1311	10/16/2023 09:39	10/16/2023 19:36	CEG
					Certifications:		CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044			
7440-39-3	Barium	ND		mg/L	0.625	1	EPA 6010D/1311	10/16/2023 09:39	10/16/2023 19:36	CEG
					Certifications:		CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044			
7440-43-9	Cadmium	ND		mg/L	0.075	1	EPA 6010D/1311	10/16/2023 09:39	10/16/2023 19:36	CEG
					Certifications:		CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044			
7440-47-3	Chromium	ND		mg/L	0.125	1	EPA 6010D/1311	10/16/2023 09:39	10/16/2023 19:36	CEG
					Certifications:		CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044			
7439-92-1	Lead	0.132		mg/L	0.125	1	EPA 6010D/1311	10/16/2023 09:39	10/16/2023 19:36	CEG
					Certifications:		CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044			
7782-49-2	Selenium	ND		mg/L	0.625	1	EPA 6010D/1311	10/16/2023 09:39	10/16/2023 19:36	CEG
					Certifications:		CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044			
7440-22-4	Silver	ND		mg/L	0.125	1	EPA 6010D/1311	10/16/2023 09:39	10/16/2023 19:36	CEG
					Certifications:		CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044			

Mercury by 7473

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: OGS_EST (4-5)

York Sample ID: 23I1597-07

York Project (SDG) No.
23I1597

Client Project ID
140265801

Matrix
Soil

Collection Date/Time
September 25, 2023 12:05 pm

Date Received
09/25/2023

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0413		mg/kg dry	0.0366	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP-CT005,NELAC-NY10854,PADEP-68-044	09/30/2023 09:39	09/30/2023 14:46	AGNR

Mercury, TCLP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.000200	1	EPA 7470/1311 Certifications: CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04440,NELAC-NY10854	10/11/2023 13:26	10/11/2023 13:26	PFA

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.609	1	EPA 7196A Certifications: NJDEP-CT005,CTDOH-PH-0723,NELAC-NY10854,PADEP-68-044	09/27/2023 14:47	09/27/2023 21:57	SMK

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	Chromium, Trivalent	30.9		mg/kg	0.500	1	Calculation Certifications:	10/03/2023 06:52	10/03/2023 10:12	PAM

Conductivity (Specific Conductance)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Conductivity	35.80		umhos/cm	1.000	1	SM 2510B m Certifications:	09/26/2023 06:32	09/26/2023 09:05	VR

Corrosivity (pH) by SM 4500/EPA 9045D

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	pH	6.81		pH units	0.500	1	EPA 9045D Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440	09/27/2023 06:56	09/27/2023 12:56	VR

Reactivity-Cyanide

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Reactivity - Cyanide	ND		mg/kg	0.250	1	EPA SW-846 Ch.7.3.3 Certifications: CTDOH-PH-0723,PADEP-68-04440	09/28/2023 14:47	09/28/2023 21:14	SL

Reactivity-Sulfide

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: OGS_EST (4-5)

York Sample ID:

23I1597-07

York Project (SDG) No.
23I1597

Client Project ID
140265801

Matrix

Soil

Collection Date/Time

September 25, 2023 12:05 pm

Date Received

09/25/2023

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Reactivity - Sulfide	56.0		mg/kg	15.0	1	EPA SW-846 Ch.7.3.4 Certifications: CTDOH-PH-0723,PADEP-68-04440	09/28/2023 14:49	09/28/2023 22:15	SL

Temperature

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Temperature	23.1		°C	1.00	1	EPA 170.1 Certifications:	09/27/2023 06:56	09/27/2023 12:56	VR

Ignitability

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Ignitability	Non-Ignit.		None	1	1	EPA 1030P Certifications:	09/26/2023 18:23	09/26/2023 20:32	CAM2

Paint Filter Test

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Paint Filter Test	No Free Liquid		None	0.05	1	EPA 9095B Certifications: NELAC-NY10854,NJDEP-CT005	09/29/2023 09:02	09/29/2023 09:13	VR

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	82.1		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	10/02/2023 07:53	10/02/2023 15:30	sgs

TCLP Extraction for METALS EPA 1311

Log-in Notes:

Sample Notes: EXT-Temp

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for metals

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	TCLP Extraction	Completed		N/A	1.00	1	EPA 1311 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	10/10/2023 11:13	10/11/2023 08:52	TAJ



Sample Information

<u>Client Sample ID:</u> OGS_EST (5-6)	<u>York Sample ID:</u>	23I1597-08
<u>York Project (SDG) No.</u> 23I1597	<u>Client Project ID</u> 140265801	<u>Matrix</u> Soil <u>Collection Date/Time</u> September 25, 2023 12:15 pm <u>Date Received</u> 09/25/2023

SVOA, 8270 ASE RCP MASTER

Sample Prepared by Method: EPA 3546- SVOA RCP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	10/01/2023 08:34	10/03/2023 12:41	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:41	KH
90-12-0	1-Methylnaphthalene	ND		ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723	10/01/2023 08:34	10/03/2023 12:41	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	10/01/2023 08:34	10/03/2023 12:41	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:41	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:41	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:41	KH
51-28-5	2,4-Dinitrophenol	ND	CAL-E	ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:41	KH
121-14-2	2,4-Dinitrotoluene	ND	CAL-E	ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:41	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:41	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:41	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:41	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	10/01/2023 08:34	10/03/2023 12:41	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:41	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:41	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:41	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	10/01/2023 08:34	10/03/2023 12:41	KH
91-94-1	3,3-Dichlorobenzidine	ND	CAL-E	ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:41	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:41	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	10/01/2023 08:34	10/03/2023 12:41	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:41	KH



Sample Information

Client Sample ID: OGS_EST (5-6)

York Sample ID:

23I1597-08

York Project (SDG) No.
23I1597

Client Project ID
140265801

Matrix
Soil

Collection Date/Time
September 25, 2023 12:15 pm

Date Received
09/25/2023

SVOA, 8270 ASE RCP MASTER

Sample Prepared by Method: EPA 3546- SVOA RCP

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:41	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:41	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:41	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:41	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:41	KH
83-32-9	Acenaphthene	ND		ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:41	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:41	KH
62-53-3	Aniline	ND		ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:41	KH
120-12-7	Anthracene	ND		ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:41	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:41	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:41	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:41	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:41	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:41	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:41	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:41	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:41	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:41	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:41	KH
86-74-8	Carbazole	ND		ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:41	KH
218-01-9	Chrysene	ND		ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:41	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:41	KH



Sample Information

Client Sample ID: OGS_EST (5-6)

York Sample ID:

23I1597-08

York Project (SDG) No.

23I1597

Client Project ID

140265801

Matrix

Soil

Collection Date/Time

September 25, 2023 12:15 pm

Date Received

09/25/2023

SVOA, 8270 ASE RCP MASTER

Sample Prepared by Method: EPA 3546- SVOA RCP

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
132-64-9	Dibenzofuran	ND		ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	10/01/2023 08:34	10/03/2023 12:41	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:41	KH
131-11-3	Dimethyl phthalate	ND	ICVE	ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:41	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:41	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:41	KH
206-44-0	Fluoranthene	ND		ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:41	KH
86-73-7	Fluorene	ND		ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:41	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:41	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:41	KH
77-47-4	Hexachlorocyclopentadiene	ND	ICVE	ug/kg dry	1200	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:41	KH
67-72-1	Hexachloroethane	ND	ICVE	ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:41	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:41	KH
78-59-1	Isophorone	ND		ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:41	KH
91-20-3	Naphthalene	ND		ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	10/01/2023 08:34	10/03/2023 12:41	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:41	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:41	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	10/01/2023 08:34	10/03/2023 12:41	KH
82-68-8	Pentachloronitrobenzene	ND		ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723	10/01/2023 08:34	10/03/2023 12:41	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:41	KH
85-01-8	Phenanthrene	ND		ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:41	KH
108-95-2	Phenol	ND		ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:41	KH
129-00-0	Pyrene	ND		ug/kg dry	602	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/01/2023 08:34	10/03/2023 12:41	KH



Sample Information

<u>Client Sample ID:</u> OGS_EST (5-6)	<u>York Sample ID:</u> 23I1597-08			
York Project (SDG) No. 23I1597	Client Project ID 140265801	Matrix Soil	Collection Date/Time September 25, 2023 12:15 pm	Date Received 09/25/2023

SVOA, 8270 ASE RCP MASTER

Sample Prepared by Method: EPA 3546- SVOA RCP

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-86-1	Pyridine	ND	ICVE	ug/kg dry	602	2	EPA 8270D	10/01/2023 08:34	10/03/2023 12:41	KH
Surrogate Recoveries										
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044										
Result										
Acceptance Range										
367-12-4	Surrogate: SURR: 2-Fluorophenol	47.2 %			30-130					
13127-88-3	Surrogate: SURR: Phenol-d6	45.5 %			30-130					
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	53.1 %			30-130					
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	45.8 %			30-130					
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	66.8 %			30-130					
1718-51-0	Surrogate: SURR: Terphenyl-d14	50.0 %			30-130					

PEST, 8081 ASE RCP MASTER

Sample Prepared by Method: EPA 3545A

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00291	5	EPA 8081B	09/28/2023 08:04	09/29/2023 22:02	BCJ
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044										
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00291	5	EPA 8081B	09/28/2023 08:04	09/29/2023 22:02	BCJ
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044										
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00291	5	EPA 8081B	09/28/2023 08:04	09/29/2023 22:02	BCJ
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044										
15972-60-8	Alachlor	ND		mg/kg dry	0.00291	5	EPA 8081B	09/28/2023 08:04	09/29/2023 22:02	BCJ
Certifications: CTDOH-PH-0723										
309-00-2	Aldrin	ND		mg/kg dry	0.00291	5	EPA 8081B	09/28/2023 08:04	09/29/2023 22:02	BCJ
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044										
319-84-6	alpha-BHC	ND		mg/kg dry	0.00291	5	EPA 8081B	09/28/2023 08:04	09/29/2023 22:02	BCJ
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044										
319-85-7	beta-BHC	ND		mg/kg dry	0.00291	5	EPA 8081B	09/28/2023 08:04	09/29/2023 22:02	BCJ
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044										
57-74-9	Chlordane, total	ND		mg/kg dry	0.0387	5	EPA 8081B	09/28/2023 08:04	09/29/2023 22:02	BCJ
Certifications:										
319-86-8	delta-BHC	ND		mg/kg dry	0.00291	5	EPA 8081B	09/28/2023 08:04	09/29/2023 22:02	BCJ
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044										
60-57-1	Dieldrin	ND		mg/kg dry	0.00291	5	EPA 8081B	09/28/2023 08:04	09/29/2023 22:02	BCJ
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044										
959-98-8	Endosulfan I	ND		mg/kg dry	0.00291	5	EPA 8081B	09/28/2023 08:04	09/29/2023 22:02	BCJ
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044										
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00291	5	EPA 8081B	09/28/2023 08:04	09/29/2023 22:02	BCJ
Certifications: CTDOH-PH-0723,NELAC-NY10854										
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00291	5	EPA 8081B	09/28/2023 08:04	09/29/2023 22:02	BCJ
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044										
72-20-8	Endrin	ND		mg/kg dry	0.00291	5	EPA 8081B	09/28/2023 08:04	09/29/2023 22:02	BCJ
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044										



Sample Information

<u>Client Sample ID:</u> OGS_EST (5-6)	<u>York Sample ID:</u> 23I1597-08			
York Project (SDG) No. 23I1597	Client Project ID 140265801	Matrix Soil	Collection Date/Time September 25, 2023 12:15 pm	Date Received 09/25/2023

PEST, 8081 ASE RCP MASTER

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00291	5	EPA 8081B	09/28/2023 08:04	09/29/2023 22:02	BCJ
					Certifications:		CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044			
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00291	5	EPA 8081B	09/28/2023 08:04	09/29/2023 22:02	BCJ
					Certifications:		CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044			
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00291	5	EPA 8081B	09/28/2023 08:04	09/29/2023 22:02	BCJ
					Certifications:		CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044			
76-44-8	Heptachlor	ND		mg/kg dry	0.00291	5	EPA 8081B	09/28/2023 08:04	09/29/2023 22:02	BCJ
					Certifications:		CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044			
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00291	5	EPA 8081B	09/28/2023 08:04	09/29/2023 22:02	BCJ
					Certifications:		CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044			
72-43-5	Methoxychlor	ND		mg/kg dry	0.0145	5	EPA 8081B	09/28/2023 08:04	09/29/2023 22:02	BCJ
					Certifications:		CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044			
8001-35-2	Toxaphene	ND		mg/kg dry	0.147	5	EPA 8081B	09/28/2023 08:04	09/29/2023 22:02	BCJ
					Certifications:		CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044			
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	79.2 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	93.1 %	30-150							

PCB, 8082 ASE RCP MASTER

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0294	1	EPA 8082A	09/28/2023 08:04	09/29/2023 21:03	BCJ
					Certifications:		NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0294	1	EPA 8082A	09/28/2023 08:04	09/29/2023 21:03	BCJ
					Certifications:		NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0294	1	EPA 8082A	09/28/2023 08:04	09/29/2023 21:03	BCJ
					Certifications:		NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0294	1	EPA 8082A	09/28/2023 08:04	09/29/2023 21:03	BCJ
					Certifications:		NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0294	1	EPA 8082A	09/28/2023 08:04	09/29/2023 21:03	BCJ
					Certifications:		NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0294	1	EPA 8082A	09/28/2023 08:04	09/29/2023 21:03	BCJ
					Certifications:		NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0294	1	EPA 8082A	09/28/2023 08:04	09/29/2023 21:03	BCJ
					Certifications:		NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044			
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0294	1	EPA 8082A	09/28/2023 08:04	09/29/2023 21:03	BCJ
					Certifications:		NELAC-NY10854,NJDEP-CT005			
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0294	1	EPA 8082A	09/28/2023 08:04	09/29/2023 21:03	BCJ
					Certifications:		NELAC-NY10854,NJDEP-CT005			
1336-36-3	Total PCBs	ND		mg/kg dry	0.0294	1	EPA 8082A	09/28/2023 08:04	09/29/2023 21:03	BCJ
					Certifications:					



Sample Information

<u>Client Sample ID:</u> OGS_EST (5-6)	<u>York Sample ID:</u>	23I1597-08
<u>York Project (SDG) No.</u> 23I1597	<u>Client Project ID</u> 140265801	<u>Matrix</u> Soil <u>Collection Date/Time</u> September 25, 2023 12:15 pm <u>Date Received</u> 09/25/2023

PCB, 8082 ASE RCP MASTER

Log-in Notes:
Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Surrogate Recoveries										
877-09-8 <i>Surrogate: Tetrachloro-m-xylene</i>										
79.5 % 30-150										
2051-24-3 <i>Surrogate: Decachlorobiphenyl</i>										
43.0 % 30-150										

HERB, 8151 RCP MASTER

Log-in Notes:
Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0241	1	EPA 8151A	10/02/2023 08:11	10/03/2023 14:23	BCJ
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044										
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0241	1	EPA 8151A	10/02/2023 08:11	10/03/2023 14:23	BCJ
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044										
94-75-7	2,4-D	ND		mg/kg dry	0.0241	1	EPA 8151A	10/02/2023 08:11	10/03/2023 14:23	BCJ
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044										
75-99-0	Dalapon	ND		mg/kg dry	0.0241	1	EPA 8151A	10/02/2023 08:11	10/03/2023 14:23	BCJ
Certifications: CTDOH-PH-0723										
1918-00-9	Dicamba	ND		mg/kg dry	0.0241	1	EPA 8151A	10/02/2023 08:11	10/03/2023 14:23	BCJ
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044										
Surrogate Recoveries										
19719-28-9	<i>Surrogate: 2,4-Dichlorophenylacetic acid (. 96.6 %</i>				Acceptance Range					
21-150										

Total Petroleum Hydrocarbons-DRO (C10-C28)

Log-in Notes:
Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Total Petroleum Hydrocarbons-DRO										
22.9 mg/kg dry										
11.4 1										
Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-0440										
Surrogate Recoveries										
638-68-6	<i>Surrogate: Triacetone</i>	98.1 %			Acceptance Range					
30-150										

Metals, CTDEP RCP

Log-in Notes:
Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Antimony										
3.77 M-CCV mg/kg dry										
2.10 1										
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044										
Arsenic										
5.59 mg/kg dry										
1.26 1										
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044										
Barium										
96.2 mg/kg dry										
2.10 1										
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044										



Sample Information

<u>Client Sample ID:</u> OGS_EST (5-6)	<u>York Sample ID:</u>	23I1597-08
<u>York Project (SDG) No.</u> 23I1597	<u>Client Project ID</u> 140265801	<u>Matrix</u> Soil <u>Collection Date/Time</u> September 25, 2023 12:15 pm <u>Date Received</u> 09/25/2023

Metals, CTDEP RCP

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-41-7	Beryllium	ND		mg/kg dry	0.042	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 20:56	10/03/2023 11:38	CEG
7440-43-9	Cadmium	ND		mg/kg dry	0.252	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 20:56	10/03/2023 11:38	CEG
7440-47-3	Chromium	24.9		mg/kg dry	0.420	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 20:56	10/03/2023 11:38	CEG
7440-50-8	Copper	12.7		mg/kg dry	1.68	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 20:56	10/03/2023 11:38	CEG
7439-92-1	Lead	10.4		mg/kg dry	0.420	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 20:56	10/03/2023 11:38	CEG
7440-02-0	Nickel	25.0		mg/kg dry	0.837	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 20:56	10/03/2023 11:38	CEG
7782-49-2	Selenium	ND		mg/kg dry	2.10	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 20:56	10/03/2023 11:38	CEG
7440-22-4	Silver	ND		mg/kg dry	0.423	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 20:56	10/03/2023 11:38	CEG
7440-28-0	Thallium	ND		mg/kg dry	2.10	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 20:56	10/03/2023 11:38	CEG
7440-62-2	Vanadium	26.2		mg/kg dry	0.837	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 20:56	10/03/2023 11:38	CEG
7440-66-6	Zinc	43.6		mg/kg dry	2.09	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/29/2023 20:56	10/03/2023 11:38	CEG

Mercury by 7473

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0363	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP-CT005,NELAC-NY10854,PADEP-68-044	09/30/2023 09:39	09/30/2023 14:46	AGNR

Chromium, Hexavalent

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.605	1	EPA 7196A Certifications: NJDEP-CT005,CTDOH-PH-0723,NELAC-NY10854,PADEP-68-044	09/27/2023 14:47	09/27/2023 21:57	SMK

Chromium, Trivalent

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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Sample Information

<u>Client Sample ID:</u> OGS_EST (5-6)	<u>York Sample ID:</u>	23I1597-08
<u>York Project (SDG) No.</u> 23I1597	<u>Client Project ID</u> 140265801	<u>Matrix</u> Soil <u>Collection Date/Time</u> September 25, 2023 12:15 pm <u>Date Received</u> 09/25/2023

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	Chromium, Trivalent	24.9		mg/kg	0.500	1	Calculation Certifications:	10/03/2023 06:52	10/03/2023 10:34	VR

Conductivity (Specific Conductance)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Conductivity	46.11		umhos/cm	1.000	1	SM 2510B m Certifications:	09/26/2023 06:32	09/26/2023 09:05	VR

Corrosivity (pH) by SM 4500/EPA 9045D

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	pH	7.23		pH units	0.500	1	EPA 9045D Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440	09/27/2023 06:56	09/27/2023 12:56	VR

Reactivity-Cyanide

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Reactivity - Cyanide	ND		mg/kg	0.250	1	EPA SW-846 Ch.7.3.3 Certifications: CTDOH-PH-0723,PADEP-68-04440	09/28/2023 14:47	09/28/2023 21:14	SL

Reactivity-Sulfide

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Reactivity - Sulfide	48.0		mg/kg	15.0	1	EPA SW-846 Ch.7.3.4 Certifications: CTDOH-PH-0723,PADEP-68-04440	09/28/2023 14:49	09/28/2023 22:15	SL

Temperature

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Temperature	23.3		°C	1.00	1	EPA 170.1 Certifications:	09/27/2023 06:56	09/27/2023 12:56	VR

Ignitability

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Ignitability	Non-Ignit.		None	1	1	EPA 1030P Certifications:	09/26/2023 18:23	09/26/2023 20:32	CAM2



Sample Information

<u>Client Sample ID:</u> OGS_EST (5-6)	<u>York Sample ID:</u> 23I1597-08			
<u>York Project (SDG) No.</u> 23I1597	<u>Client Project ID</u> 140265801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 25, 2023 12:15 pm	<u>Date Received</u> 09/25/2023

Paint Filter Test

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Paint Filter Test	No Free Liquid		None	0.05	1	EPA 9095B Certifications: NELAC-NY10854,NJDEP-CT005	09/29/2023 09:02	09/29/2023 09:13	VR

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	82.7		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	10/02/2023 07:53	10/02/2023 15:30	sgs



Sample Information

Client Sample ID: Trip Blanks

York Sample ID:

23I1597-09

York Project (SDG) No.

23I1597

Client Project ID

140265801

Matrix

Water

Collection Date/Time

September 25, 2023 12:00 am

Date Received

09/25/2023

VOA, 8260 RCP LOW MASTER

Sample Prepared by Method: EPA 5030B

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/28/2023 09:00	09/28/2023 12:15	SMA
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/28/2023 09:00	09/28/2023 12:15	SMA
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/28/2023 09:00	09/28/2023 12:15	SMA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/28/2023 09:00	09/28/2023 12:15	SMA
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/28/2023 09:00	09/28/2023 12:15	SMA
75-34-3	1,1-Dichloroethane	ND		ug/L	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/28/2023 09:00	09/28/2023 12:15	SMA
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/28/2023 09:00	09/28/2023 12:15	SMA
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005	09/28/2023 09:00	09/28/2023 12:15	SMA
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/28/2023 09:00	09/28/2023 12:15	SMA
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/28/2023 09:00	09/28/2023 12:15	SMA
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/28/2023 09:00	09/28/2023 12:15	SMA
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/28/2023 09:00	09/28/2023 12:15	SMA
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/28/2023 09:00	09/28/2023 12:15	SMA
106-93-4	1,2-Dibromoethane	ND		ug/L	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/28/2023 09:00	09/28/2023 12:15	SMA
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/28/2023 09:00	09/28/2023 12:15	SMA
107-06-2	1,2-Dichloroethane	ND		ug/L	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/28/2023 09:00	09/28/2023 12:15	SMA
78-87-5	1,2-Dichloropropane	ND		ug/L	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/28/2023 09:00	09/28/2023 12:15	SMA
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/28/2023 09:00	09/28/2023 12:15	SMA
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/28/2023 09:00	09/28/2023 12:15	SMA
142-28-9	1,3-Dichloropropane	ND		ug/L	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/28/2023 09:00	09/28/2023 12:15	SMA
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/28/2023 09:00	09/28/2023 12:15	SMA



Sample Information

Client Sample ID: Trip Blanks

York Sample ID: 23I1597-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23I1597	140265801	Water	September 25, 2023 12:00 am	09/25/2023

VOA, 8260 RCP LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
594-20-7	2,2-Dichloropropane	ND		ug/L	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/28/2023 09:00	09/28/2023 12:15	SMA
78-93-3	2-Butanone	ND		ug/L	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/28/2023 09:00	09/28/2023 12:15	SMA
95-49-8	2-Chlorotoluene	ND		ug/L	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/28/2023 09:00	09/28/2023 12:15	SMA
591-78-6	2-Hexanone	ND	ICVE	ug/L	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/28/2023 09:00	09/28/2023 12:15	SMA
106-43-4	4-Chlorotoluene	ND		ug/L	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/28/2023 09:00	09/28/2023 12:15	SMA
108-10-1	4-Methyl-2-pentanone	ND	ICVE, CAL-E	ug/L	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/28/2023 09:00	09/28/2023 12:15	SMA
67-64-1	Acetone	ND	CAL-E	ug/L	2.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/28/2023 09:00	09/28/2023 12:15	SMA
107-13-1	Acrylonitrile	ND	CAL-E	ug/L	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/28/2023 09:00	09/28/2023 12:15	SMA
71-43-2	Benzene	ND		ug/L	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/28/2023 09:00	09/28/2023 12:15	SMA
108-86-1	Bromobenzene	ND		ug/L	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/28/2023 09:00	09/28/2023 12:15	SMA
74-97-5	Bromochloromethane	ND		ug/L	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/28/2023 09:00	09/28/2023 12:15	SMA
75-27-4	Bromodichloromethane	ND		ug/L	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/28/2023 09:00	09/28/2023 12:15	SMA
75-25-2	Bromoform	ND	CAL-E	ug/L	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/28/2023 09:00	09/28/2023 12:15	SMA
74-83-9	Bromomethane	ND		ug/L	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/28/2023 09:00	09/28/2023 12:15	SMA
75-15-0	Carbon disulfide	ND		ug/L	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/28/2023 09:00	09/28/2023 12:15	SMA
56-23-5	Carbon tetrachloride	ND		ug/L	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/28/2023 09:00	09/28/2023 12:15	SMA
108-90-7	Chlorobenzene	ND		ug/L	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/28/2023 09:00	09/28/2023 12:15	SMA
75-00-3	Chloroethane	ND		ug/L	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/28/2023 09:00	09/28/2023 12:15	SMA
67-66-3	Chloroform	ND		ug/L	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/28/2023 09:00	09/28/2023 12:15	SMA
74-87-3	Chloromethane	ND		ug/L	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/28/2023 09:00	09/28/2023 12:15	SMA
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/28/2023 09:00	09/28/2023 12:15	SMA
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/28/2023 09:00	09/28/2023 12:15	SMA



Sample Information

Client Sample ID: Trip Blanks

York Sample ID: 23I1597-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23I1597	140265801	Water	September 25, 2023 12:00 am	09/25/2023

VOA, 8260 RCP LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
124-48-1	Dibromochloromethane	ND		ug/L	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/28/2023 09:00	09/28/2023 12:15	SMA
74-95-3	Dibromomethane	ND		ug/L	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/28/2023 09:00	09/28/2023 12:15	SMA
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/28/2023 09:00	09/28/2023 12:15	SMA
100-41-4	Ethyl Benzene	ND		ug/L	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/28/2023 09:00	09/28/2023 12:15	SMA
87-68-3	Hexachlorobutadiene	ND		ug/L	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/28/2023 09:00	09/28/2023 12:15	SMA
98-82-8	Isopropylbenzene	ND		ug/L	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/28/2023 09:00	09/28/2023 12:15	SMA
80-62-6	Methyl Methacrylate	ND		ug/L	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005	09/28/2023 09:00	09/28/2023 12:15	SMA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/28/2023 09:00	09/28/2023 12:15	SMA
75-09-2	Methylene chloride	ND	CAL-E	ug/L	2.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/28/2023 09:00	09/28/2023 12:15	SMA
91-20-3	Naphthalene	ND		ug/L	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/28/2023 09:00	09/28/2023 12:15	SMA
104-51-8	n-Butylbenzene	ND		ug/L	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/28/2023 09:00	09/28/2023 12:15	SMA
103-65-1	n-Propylbenzene	ND		ug/L	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/28/2023 09:00	09/28/2023 12:15	SMA
95-47-6	o-Xylene	ND		ug/L	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	09/28/2023 09:00	09/28/2023 12:15	SMA
179601-23-1	p- & m- Xylenes	ND		ug/L	1.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	09/28/2023 09:00	09/28/2023 12:15	SMA
99-87-6	p-Isopropyltoluene	ND		ug/L	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/28/2023 09:00	09/28/2023 12:15	SMA
135-98-8	sec-Butylbenzene	ND		ug/L	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/28/2023 09:00	09/28/2023 12:15	SMA
100-42-5	Styrene	ND		ug/L	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/28/2023 09:00	09/28/2023 12:15	SMA
98-06-6	tert-Butylbenzene	ND		ug/L	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/28/2023 09:00	09/28/2023 12:15	SMA
127-18-4	Tetrachloroethylene	ND	ICVE, QL-02, CCVE	ug/L	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/28/2023 09:00	09/28/2023 12:15	SMA
109-99-9	Tetrahydrofuran	ND	QL-02, CCVE	ug/L	4.00	1	EPA 8260C Certifications:	09/28/2023 09:00	09/28/2023 12:15	SMA
108-88-3	Toluene	ND		ug/L	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/28/2023 09:00	09/28/2023 12:15	SMA



Sample Information

Client Sample ID: Trip Blanks

York Sample ID: 23I1597-09

York Project (SDG) No.
23I1597

Client Project ID
140265801

Matrix
Water

Collection Date/Time
September 25, 2023 12:00 am

Date Received
09/25/2023

VOA, 8260 RCP LOW MASTER

Sample Prepared by Method: EPA 5030B

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/28/2023 09:00	09/28/2023 12:15	SMA		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/28/2023 09:00	09/28/2023 12:15	SMA		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/28/2023 09:00	09/28/2023 12:15	SMA		
79-01-6	Trichloroethylene	ND		ug/L	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/28/2023 09:00	09/28/2023 12:15	SMA		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/28/2023 09:00	09/28/2023 12:15	SMA		
75-01-4	Vinyl Chloride	ND		ug/L	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/28/2023 09:00	09/28/2023 12:15	SMA		
Surrogate Recoveries		Result	Acceptance Range									
17060-07-0	Surrogate: Surr: 1,2-Dichloroethane-d4	101 %			70-130							
2037-26-5	Surrogate: Surr: Toluene-d8	99.7 %			70-130							
460-00-4	Surrogate: Surr: p-Bromofluorobenzene	94.3 %			70-130							



Analytical Batch Summary

Batch ID: BI31584**Preparation Method:** Analysis Preparation**Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
23I1597-05	OGS_FILL (1-2)	09/26/23
23I1597-06	OGS_EST (3-4)	09/26/23
23I1597-07	OGS_EST (4-5)	09/26/23
23I1597-08	OGS_EST (5-6)	09/26/23
BI31584-BLK1	Blank	09/26/23
BI31584-BS1	LCS	09/26/23
BI31584-DUP1	Duplicate	09/26/23

Batch ID: BI31608**Preparation Method:** EPA 5035A**Prepared By:** BMT

YORK Sample ID	Client Sample ID	Preparation Date
23I1597-01	OGS_FILL (1-2)	09/26/23
23I1597-02	OGS_EST (3-4)	09/26/23
23I1597-03	OGS_EST (4-5)	09/26/23
23I1597-04	OGS_EST (5-6)	09/26/23
BI31608-BLK1	Blank	09/26/23
BI31608-DUP1	Duplicate	09/26/23
BI31608-MS1	Matrix Spike	09/26/23
BI31608-SRM1	Reference	09/26/23

Batch ID: BI31671**Preparation Method:** Analysis Preparation**Prepared By:** CAM2

YORK Sample ID	Client Sample ID	Preparation Date
23I1597-05	OGS_FILL (1-2)	09/26/23
23I1597-06	OGS_EST (3-4)	09/26/23
23I1597-07	OGS_EST (4-5)	09/26/23
23I1597-08	OGS_EST (5-6)	09/26/23

Batch ID: BI31682**Preparation Method:** Analysis Preparation**Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
23I1597-05	OGS_FILL (1-2)	09/27/23
23I1597-06	OGS_EST (3-4)	09/27/23
23I1597-07	OGS_EST (4-5)	09/27/23
23I1597-08	OGS_EST (5-6)	09/27/23
BI31682-DUP1	Duplicate	09/27/23

Batch ID: BI31729**Preparation Method:** EPA SW846-3060**Prepared By:** SMK

YORK Sample ID	Client Sample ID	Preparation Date
23I1597-05	OGS_FILL (1-2)	09/27/23
23I1597-06	OGS_EST (3-4)	09/27/23
23I1597-07	OGS_EST (4-5)	09/27/23



23I1597-08	OGS_EST (5-6)	09/27/23
BI31729-BLK1	Blank	09/27/23
BI31729-DUP1	Duplicate	09/27/23
BI31729-MS1	Matrix Spike	09/27/23
BI31729-MSD1	Matrix Spike Dup	09/27/23
BI31729-SRM1	Reference	09/27/23

Batch ID: BI31777**Preparation Method:** EPA 3545A**Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
23I1597-05	OGS_FILL (1-2)	09/28/23
23I1597-05	OGS_FILL (1-2)	09/28/23
23I1597-06	OGS_EST (3-4)	09/28/23
23I1597-06	OGS_EST (3-4)	09/28/23
23I1597-07	OGS_EST (4-5)	09/28/23
23I1597-07	OGS_EST (4-5)	09/28/23
23I1597-08	OGS_EST (5-6)	09/28/23
23I1597-08	OGS_EST (5-6)	09/28/23
BI31777-BLK1	Blank	09/28/23
BI31777-BLK2	Blank	09/28/23
BI31777-BS1	LCS	09/28/23
BI31777-BS2	LCS	09/28/23
BI31777-MS1	Matrix Spike	09/28/23
BI31777-MS2	Matrix Spike	09/28/23
BI31777-MSD1	Matrix Spike Dup	09/28/23
BI31777-MSD2	Matrix Spike Dup	09/28/23

Batch ID: BI31780**Preparation Method:** EPA 3550C**Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
23I1597-05	OGS_FILL (1-2)	09/28/23
23I1597-06	OGS_EST (3-4)	09/28/23
23I1597-08	OGS_EST (5-6)	09/28/23
BI31780-BLK1	Blank	09/28/23
BI31780-BS1	LCS	09/28/23
BI31780-MS1	Matrix Spike	09/28/23
BI31780-MSD1	Matrix Spike Dup	09/28/23

Batch ID: BI31800**Preparation Method:** EPA 5030B**Prepared By:** SMA

YORK Sample ID	Client Sample ID	Preparation Date
23I1597-09	Trip Blanks	09/28/23
BI31800-BLK1	Blank	09/28/23
BI31800-BS1	LCS	09/28/23
BI31800-BSD1	LCS Dup	09/28/23
BI31800-MS1	Matrix Spike	09/28/23
BI31800-MSD1	Matrix Spike Dup	09/28/23



Batch ID: BI31836

Preparation Method: Analysis Preparation

Prepared By: SL

YORK Sample ID	Client Sample ID	Preparation Date
23I1597-05	OGS_FILL (1-2)	09/28/23
23I1597-06	OGS_EST (3-4)	09/28/23
23I1597-07	OGS_EST (4-5)	09/28/23
23I1597-08	OGS_EST (5-6)	09/28/23
BI31836-BLK1	Blank	09/28/23

Batch ID: BI31838

Preparation Method: Analysis Preparation

Prepared By: SL

YORK Sample ID	Client Sample ID	Preparation Date
23I1597-05	OGS_FILL (1-2)	09/28/23
23I1597-06	OGS_EST (3-4)	09/28/23
23I1597-07	OGS_EST (4-5)	09/28/23
23I1597-08	OGS_EST (5-6)	09/28/23
BI31838-BLK1	Blank	09/28/23
BI31838-DUP1	Duplicate	09/28/23

Batch ID: BI31862

Preparation Method: EPA 3050B

Prepared By: KMQ

YORK Sample ID	Client Sample ID	Preparation Date
23I1597-05	OGS_FILL (1-2)	09/28/23
23I1597-06	OGS_EST (3-4)	09/28/23
23I1597-07	OGS_EST (4-5)	09/28/23
BI31862-BLK1	Blank	09/28/23
BI31862-DUP1	Duplicate	09/28/23
BI31862-MS1	Matrix Spike	09/28/23
BI31862-PS1	Post Spike	09/28/23
BI31862-SRM1	Reference	09/28/23

Batch ID: BI31872

Preparation Method: EPA 5035A

Prepared By: SS

YORK Sample ID	Client Sample ID	Preparation Date
23I1597-01	OGS_FILL (1-2)	09/29/23
23I1597-02	OGS_EST (3-4)	09/29/23
23I1597-03	OGS_EST (4-5)	09/29/23
BI31872-BLK1	Blank	09/29/23
BI31872-BLK2	Blank	09/29/23
BI31872-BS1	LCS	09/29/23
BI31872-BSD1	LCS Dup	09/29/23

Batch ID: BI31898

Preparation Method: Analysis Preparation

Prepared By: VR

YORK Sample ID	Client Sample ID	Preparation Date
23I1597-05	OGS_FILL (1-2)	09/29/23
23I1597-06	OGS_EST (3-4)	09/29/23
23I1597-07	OGS_EST (4-5)	09/29/23
23I1597-08	OGS_EST (5-6)	09/29/23

**Batch ID:** BI31956**Preparation Method:** EPA 3050B**Prepared By:** KMQ

YORK Sample ID	Client Sample ID	Preparation Date
23I1597-08	OGS_EST (5-6)	09/29/23
BI31956-BLK1	Blank	09/29/23
BI31956-DUP1	Duplicate	09/29/23
BI31956-MS1	Matrix Spike	09/29/23
BI31956-PS1	Post Spike	09/29/23
BI31956-SRM1	Reference	09/29/23

Batch ID: BI31970**Preparation Method:** EPA 7473 soil**Prepared By:** AGNR

YORK Sample ID	Client Sample ID	Preparation Date
23I1597-05	OGS_FILL (1-2)	09/30/23
23I1597-06	OGS_EST (3-4)	09/30/23
23I1597-07	OGS_EST (4-5)	09/30/23
23I1597-08	OGS_EST (5-6)	09/30/23
BI31970-BLK1	Blank	09/30/23
BI31970-DUP1	Duplicate	09/30/23
BI31970-MS1	Matrix Spike	09/30/23
BI31970-SRM1	Reference	09/30/23

Batch ID: BJ30007**Preparation Method:** EPA 3546- SVOA RCP**Prepared By:** JLM

YORK Sample ID	Client Sample ID	Preparation Date
23I1597-05	OGS_FILL (1-2)	10/01/23
23I1597-06	OGS_EST (3-4)	10/01/23
23I1597-07	OGS_EST (4-5)	10/01/23
23I1597-08	OGS_EST (5-6)	10/01/23
BJ30007-BLK1	Blank	10/01/23
BJ30007-BS1	LCS	10/01/23
BJ30007-MS1	Matrix Spike	10/01/23
BJ30007-MSD1	Matrix Spike Dup	10/01/23

Batch ID: BJ30019**Preparation Method:** EPA 5035A**Prepared By:** FTR

YORK Sample ID	Client Sample ID	Preparation Date
23I1597-04	OGS_EST (5-6)	10/02/23
BJ30019-BLK1	Blank	10/02/23
BJ30019-BLK2	Blank	10/02/23
BJ30019-BS1	LCS	10/02/23
BJ30019-BSD1	LCS Dup	10/02/23

Batch ID: BJ30021**Preparation Method:** % Solids Prep**Prepared By:** sgs

YORK Sample ID	Client Sample ID	Preparation Date
23I1597-01	OGS_FILL (1-2)	10/02/23



23I1597-02	OGS_EST (3-4)	10/02/23
23I1597-03	OGS_EST (4-5)	10/02/23
23I1597-04	OGS_EST (5-6)	10/02/23
23I1597-05	OGS_FILL (1-2)	10/02/23
23I1597-06	OGS_EST (3-4)	10/02/23
23I1597-07	OGS_EST (4-5)	10/02/23
23I1597-08	OGS_EST (5-6)	10/02/23
BJ30021-DUP1	Duplicate	10/02/23

Batch ID: BJ30024 **Preparation Method:** EPA 3550C/8151A **Prepared By:** me

YORK Sample ID	Client Sample ID	Preparation Date
23I1597-05	OGS_FILL (1-2)	10/02/23
23I1597-06	OGS_EST (3-4)	10/02/23
23I1597-07	OGS_EST (4-5)	10/02/23
23I1597-08	OGS_EST (5-6)	10/02/23
BJ30024-BLK1	Blank	10/02/23
BJ30024-BS1	LCS	10/02/23
BJ30024-MS1	Matrix Spike	10/02/23
BJ30024-MSD1	Matrix Spike Dup	10/02/23

Batch ID: BJ30026 **Preparation Method:** EPA 3550C **Prepared By:** me

YORK Sample ID	Client Sample ID	Preparation Date
23I1597-07	OGS_EST (4-5)	10/02/23
BJ30026-BLK1	Blank	10/02/23
BJ30026-BS1	LCS	10/02/23
BJ30026-MS1	Matrix Spike	10/02/23
BJ30026-MSD1	Matrix Spike Dup	10/02/23

Batch ID: BJ30102 **Preparation Method:** Analysis Preparation **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
23I1597-05	OGS_FILL (1-2)	10/03/23
23I1597-06	OGS_EST (3-4)	10/03/23
23I1597-07	OGS_EST (4-5)	10/03/23
23I1597-08	OGS_EST (5-6)	10/03/23

Batch ID: BJ30619 **Preparation Method:** EPA SW 846-1311 TCLP ext. for metals **Prepared By:** TAJ

YORK Sample ID	Client Sample ID	Preparation Date
23I1597-05	OGS_FILL (1-2)	10/10/23
23I1597-06	OGS_EST (3-4)	10/10/23
23I1597-07	OGS_EST (4-5)	10/10/23
BJ30619-BLK1	Blank	10/10/23

Batch ID: BJ30622 **Preparation Method:** EPA SW 846-1311 TCLP extr. for SVOCs **Prepared By:** TAJ



YORK Sample ID	Client Sample ID	Preparation Date
23I1597-05	OGS_FILL (1-2)	10/10/23
BJ30622-BLK1	Blank	10/10/23

Batch ID: BJ30727 **Preparation Method:** EPA SW846-7470A **Prepared By:** PFA

YORK Sample ID	Client Sample ID	Preparation Date
23I1597-05	OGS_FILL (1-2)	10/11/23
23I1597-06	OGS_EST (3-4)	10/11/23
23I1597-07	OGS_EST (4-5)	10/11/23
BJ30727-BLK1	Blank	10/11/23
BJ30727-BLK2	Blank	10/11/23
BJ30727-BS1	LCS	10/11/23
BJ30727-BS2	LCS	10/11/23
BJ30727-LBK1	Leach Fluid Blank	10/11/23

Batch ID: BJ30886 **Preparation Method:** EPA 3510C/1311 **Prepared By:** SCC

YORK Sample ID	Client Sample ID	Preparation Date
23I1597-05	OGS_FILL (1-2)	10/13/23
BJ30886-BLK1	Blank	10/13/23
BJ30886-BS1	LCS	10/13/23
BJ30886-BSD1	LCS Dup	10/13/23
BJ30886-LBK1	Leach Fluid Blank	10/13/23
BJ30886-MS1	Matrix Spike	10/13/23

Batch ID: BJ31029 **Preparation Method:** EPA 3015A/1311 **Prepared By:** DBT

YORK Sample ID	Client Sample ID	Preparation Date
23I1597-05	OGS_FILL (1-2)	10/16/23
23I1597-06	OGS_EST (3-4)	10/16/23
23I1597-07	OGS_EST (4-5)	10/16/23
BJ31029-BLK1	Blank	10/16/23
BJ31029-BS1	LCS	10/16/23
BJ31029-DUP1	Duplicate	10/16/23
BJ31029-LBK1	Leach Fluid Blank	10/16/23
BJ31029-MS1	Matrix Spike	10/16/23
BJ31029-PS1	Post Spike	10/16/23



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD RPD	RPD Limit	Flag
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Batch BI31800 - EPA 5030B

Blank (BI31800-BLK1)	Blank	Prepared & Analyzed: 09/28/2023									
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Dichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,1-Dichloropropylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,3-Dichloropropane	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
2,2-Dichloropropane	ND	0.500	"								
2-Butanone	ND	0.500	"								
2-Chlorotoluene	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Chlorotoluene	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromobenzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl Methacrylate	ND	0.500	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI31800 - EPA 5030B

Blank (BI31800-BLK1)	Blank	Prepared & Analyzed: 09/28/2023						
Methyl tert-butyl ether (MTBE)	ND	0.500	ug/L					
Methylene chloride	ND	2.00	"					
Naphthalene	ND	2.00	"					
n-Butylbenzene	ND	0.500	"					
n-Propylbenzene	ND	0.500	"					
o-Xylene	ND	0.500	"					
p- & m- Xylenes	ND	1.00	"					
p-Isopropyltoluene	ND	0.500	"					
sec-Butylbenzene	ND	0.500	"					
Styrene	ND	0.500	"					
tert-Butylbenzene	ND	0.500	"					
Tetrachloroethylene	ND	0.500	"					
Tetrahydrofuran	ND	4.00	"					
Toluene	ND	0.500	"					
trans-1,2-Dichloroethylene	ND	0.500	"					
trans-1,3-Dichloropropylene	ND	0.500	"					
trans-1,4-dichloro-2-butene	ND	0.500	"					
Trichloroethylene	ND	0.500	"					
Trichlorofluoromethane	ND	0.500	"					
Vinyl Chloride	ND	0.500	"					
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	10.6		"	10.0	106	70-130		
<i>Surrogate: SURR: Toluene-d8</i>	9.78		"	10.0	97.8	70-130		
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	9.16		"	10.0	91.6	70-130		

LCS (BI31800-BS1)	LCS	Prepared & Analyzed: 09/28/2023						
1,1,1,2-Tetrachloroethane	9.32		ug/L	10.0	93.2	70-130		
1,1,1-Trichloroethane	9.99		"	10.0	99.9	70-130		
1,1,2,2-Tetrachloroethane	8.81		"	10.0	88.1	70-130		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.9		"	10.0	109	70-130		
1,1,2-Trichloroethane	9.38		"	10.0	93.8	70-130		
1,1-Dichloroethylene	9.10		"	10.0	91.0	70-130		
1,1-Dichloroethylene	10.2		"	10.0	102	70-130		
1,1-Dichloropropylene	9.68		"	10.0	96.8	70-130		
1,2,3-Trichlorobenzene	10.8		"	10.0	108	70-130		
1,2,3-Trichloropropane	8.64		"	10.0	86.4	70-130		
1,2,4-Trichlorobenzene	9.95		"	10.0	99.5	70-130		
1,2,4-Trimethylbenzene	8.41		"	10.0	84.1	70-130		
1,2-Dibromo-3-chloropropane	8.68		"	10.0	86.8	70-130		
1,2-Dibromoethane	9.62		"	10.0	96.2	70-130		
1,2-Dichlorobenzene	8.96		"	10.0	89.6	70-130		
1,2-Dichloroethane	10.1		"	10.0	101	70-130		
1,2-Dichloropropane	9.51		"	10.0	95.1	70-130		
1,3,5-Trimethylbenzene	8.24		"	10.0	82.4	70-130		
1,3-Dichlorobenzene	8.73		"	10.0	87.3	70-130		
1,3-Dichloropropane	9.73		"	10.0	97.3	70-130		
1,4-Dichlorobenzene	8.63		"	10.0	86.3	70-130		
2,2-Dichloropropane	10.1		"	10.0	101	70-130		
2-Butanone	9.13		"	10.0	91.3	70-130		
2-Chlorotoluene	8.31		"	10.0	83.1	70-130		
2-Hexanone	8.03		"	10.0	80.3	70-130		
4-Chlorotoluene	8.33		"	10.0	83.3	70-130		



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI31800 - EPA 5030B											
LCS (BI31800-BS1) LCS Prepared & Analyzed: 09/28/2023											
4-Methyl-2-pentanone											
Acetone											
Acrylonitrile											
Benzene											
Bromobenzene											
Bromochloromethane											
Bromodichloromethane											
Bromoform											
Bromomethane											
Carbon disulfide											
Carbon tetrachloride											
Chlorobenzene											
Chloroethane											
Chloroform											
Chloromethane											
cis-1,2-Dichloroethylene											
cis-1,3-Dichloropropylene											
Dibromochloromethane											
Dibromomethane											
Dichlorodifluoromethane											
Ethyl Benzene											
Hexachlorobutadiene											
Isopropylbenzene											
Methyl Methacrylate											
Methyl tert-butyl ether (MTBE)											
Methylene chloride											
Naphthalene											
n-Butylbenzene											
n-Propylbenzene											
o-Xylene											
p- & m- Xylenes											
p-Isopropyltoluene											
sec-Butylbenzene											
Styrene											
tert-Butylbenzene											
Tetrachloroethylene											
Tetrahydrofuran											
Toluene											
trans-1,2-Dichloroethylene											
trans-1,3-Dichloropropylene											
trans-1,4-dichloro-2-butene											
Trichloroethylene											
Trichlorofluoromethane											
Vinyl Chloride											
Surrogate: SURR: 1,2-Dichloroethane-d4											
Surrogate: SURR: Toluene-d8											
Surrogate: SURR: p-Bromofluorobenzene											



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI31800 - EPA 5030B											
LCS Dup (BI31800-BSD1) LCS Dup Prepared & Analyzed: 09/28/2023											
1,1,1,2-Tetrachloroethane	9.44		ug/L	10.0	94.4	70-130			1.28	30	
1,1,1-Trichloroethane	9.97		"	10.0	99.7	70-130			0.200	30	
1,1,2,2-Tetrachloroethane	9.30		"	10.0	93.0	70-130			5.41	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.2		"	10.0	102	70-130			6.44	30	
1,1,2-Trichloroethane	9.32		"	10.0	93.2	70-130			0.642	30	
1,1-Dichloroethane	9.33		"	10.0	93.3	70-130			2.50	30	
1,1-Dichloroethylene	9.68		"	10.0	96.8	70-130			5.23	30	
1,1-Dichloropropylene	9.73		"	10.0	97.3	70-130			0.515	30	
1,2,3-Trichlorobenzene	11.3		"	10.0	113	70-130			4.08	30	
1,2,3-Trichloropropane	8.88		"	10.0	88.8	70-130			2.74	30	
1,2,4-Trichlorobenzene	10.2		"	10.0	102	70-130			1.99	30	
1,2,4-Trimethylbenzene	8.45		"	10.0	84.5	70-130			0.474	30	
1,2-Dibromo-3-chloropropane	8.55		"	10.0	85.5	70-130			1.51	30	
1,2-Dibromoethane	9.70		"	10.0	97.0	70-130			0.828	30	
1,2-Dichlorobenzene	8.91		"	10.0	89.1	70-130			0.560	30	
1,2-Dichloroethane	10.4		"	10.0	104	70-130			3.80	30	
1,2-Dichloropropane	8.67		"	10.0	86.7	70-130			9.24	30	
1,3,5-Trimethylbenzene	8.23		"	10.0	82.3	70-130			0.121	30	
1,3-Dichlorobenzene	8.76		"	10.0	87.6	70-130			0.343	30	
1,3-Dichloropropane	9.52		"	10.0	95.2	70-130			2.18	30	
1,4-Dichlorobenzene	8.72		"	10.0	87.2	70-130			1.04	30	
2,2-Dichloropropane	10.4		"	10.0	104	70-130			2.44	30	
2-Butanone	9.76		"	10.0	97.6	70-130			6.67	30	
2-Chlorotoluene	8.32		"	10.0	83.2	70-130			0.120	30	
2-Hexanone	7.92		"	10.0	79.2	70-130			1.38	30	
4-Chlorotoluene	8.47		"	10.0	84.7	70-130			1.67	30	
4-Methyl-2-pentanone	7.27		"	10.0	72.7	70-130			1.37	30	
Acetone	19.1		"	10.0	191	70-130	High Bias		0.628	30	
Acrylonitrile	10.3		"	10.0	103	70-130			4.89	30	
Benzene	10.0		"	10.0	100	70-130			1.50	30	
Bromobenzene	8.35		"	10.0	83.5	70-130			2.18	30	
Bromochloromethane	10.2		"	10.0	102	70-130			3.59	30	
Bromodichloromethane	8.96		"	10.0	89.6	70-130			5.64	30	
Bromoform	10.4		"	10.0	104	70-130			0.385	30	
Bromomethane	10.3		"	10.0	103	70-130			1.77	30	
Carbon disulfide	10.0		"	10.0	100	70-130			0.793	30	
Carbon tetrachloride	10.2		"	10.0	102	70-130			0.589	30	
Chlorobenzene	9.43		"	10.0	94.3	70-130			0.318	30	
Chloroethane	9.72		"	10.0	97.2	70-130			5.21	30	
Chloroform	9.98		"	10.0	99.8	70-130			1.41	30	
Chloromethane	9.84		"	10.0	98.4	70-130			0.507	30	
cis-1,2-Dichloroethylene	9.70		"	10.0	97.0	70-130			0.821	30	
cis-1,3-Dichloropropylene	8.76		"	10.0	87.6	70-130			3.59	30	
Dibromochloromethane	9.83		"	10.0	98.3	70-130			2.26	30	
Dibromomethane	9.08		"	10.0	90.8	70-130			1.96	30	
Dichlorodifluoromethane	9.66		"	10.0	96.6	70-130			0.207	30	
Ethyl Benzene	8.86		"	10.0	88.6	70-130			2.23	30	
Hexachlorobutadiene	9.30		"	10.0	93.0	70-130			4.00	30	
Isopropylbenzene	8.35		"	10.0	83.5	70-130			0.120	30	
Methyl Methacrylate	8.72		"	10.0	87.2	70-130			2.27	30	
Methyl tert-butyl ether (MTBE)	11.0		"	10.0	110	70-130			6.96	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI31800 - EPA 5030B

LCS Dup (BI31800-BSD1)	LCS Dup	Prepared & Analyzed: 09/28/2023									
Methylene chloride	9.57		ug/L	10.0	95.7	70-130			3.18	30	
Naphthalene	10.5		"	10.0	105	70-130			2.80	30	
n-Butylbenzene	8.59		"	10.0	85.9	70-130			1.73	30	
n-Propylbenzene	8.27		"	10.0	82.7	70-130			0.485	30	
o-Xylene	8.85		"	10.0	88.5	70-130			5.39	30	
p- & m- Xylenes	18.0		"	20.0	90.2	70-130			4.23	30	
p-Isopropyltoluene	8.63		"	10.0	86.3	70-130			1.04	30	
sec-Butylbenzene	8.57		"	10.0	85.7	70-130			1.04	30	
Styrene	9.39		"	10.0	93.9	70-130			4.68	30	
tert-Butylbenzene	8.24		"	10.0	82.4	70-130			0.121	30	
Tetrachloroethylene	5.73		"	10.0	57.3	70-130	Low Bias		1.41	30	
Tetrahydrofuran	10.0		"	10.0	100	70-130			79.6	30	Non-dir.
Toluene	8.73		"	10.0	87.3	70-130			4.70	30	
trans-1,2-Dichloroethylene	9.53		"	10.0	95.3	70-130			0.105	30	
trans-1,3-Dichloropropylene	9.16		"	10.0	91.6	70-130			3.01	30	
trans-1,4-dichloro-2-butene	7.88		"	10.0	78.8	70-130			1.41	30	
Trichloroethylene	8.14		"	10.0	81.4	70-130			9.59	30	
Trichlorofluoromethane	9.99		"	10.0	99.9	70-130			9.17	30	
Vinyl Chloride	9.63		"	10.0	96.3	70-130			3.77	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	10.5		"	10.0	105	70-130					
Surrogate: SURR: Toluene-d8	9.29		"	10.0	92.9	70-130					
Surrogate: SURR: p-Bromofluorobenzene	9.20		"	10.0	92.0	70-130					

Matrix Spike (BI31800-MS1)	Matrix Spike	*Source sample: 23I1412-01 (Matrix Spike)							Prepared & Analyzed: 09/28/2023		
1,1,1,2-Tetrachloroethane	12.2		ug/L	10.0	0.00	122	70-130				
1,1,1-Trichloroethane	13.4		"	10.0	0.00	134	70-130	High Bias			
1,1,2,2-Tetrachloroethane	10.5		"	10.0	0.00	105	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	15.8		"	10.0	1.88	140	70-130	High Bias			
1,1,2-Trichloroethane	12.3		"	10.0	0.00	123	70-130				
1,1-Dichloroethane	12.4		"	10.0	0.00	124	70-130				
1,1-Dichloroethylene	13.8		"	10.0	0.380	134	70-130	High Bias			
1,1-Dichloropropylene	12.6		"	10.0	0.00	126	70-130				
1,2,3-Trichlorobenzene	9.87		"	10.0	0.00	98.7	70-130				
1,2,3-Trichloropropane	9.81		"	10.0	0.00	98.1	70-130				
1,2,4-Trichlorobenzene	9.35		"	10.0	0.00	93.5	70-130				
1,2,4-Trimethylbenzene	9.87		"	10.0	0.00	98.7	70-130				
1,2-Dibromo-3-chloropropane	10.1		"	10.0	0.00	101	70-130				
1,2-Dibromoethane	12.2		"	10.0	0.00	122	70-130				
1,2-Dichlorobenzene	10.5		"	10.0	0.00	105	70-130				
1,2-Dichloroethane	13.3		"	10.0	0.00	133	70-130	High Bias			
1,2-Dichloropropane	12.4		"	10.0	0.00	124	70-130				
1,3,5-Trimethylbenzene	9.42		"	10.0	0.00	94.2	70-130				
1,3-Dichlorobenzene	9.92		"	10.0	0.00	99.2	70-130				
1,3-Dichloropropane	12.5		"	10.0	0.00	125	70-130				
1,4-Dichlorobenzene	9.82		"	10.0	0.00	98.2	70-130				
2,2-Dichloropropane	12.3		"	10.0	0.00	123	70-130				
2-Butanone	19.5		"	10.0	0.00	195	70-130	High Bias			
2-Chlorotoluene	9.58		"	10.0	0.00	95.8	70-130				
2-Hexanone	9.78		"	10.0	0.00	97.8	70-130				
4-Chlorotoluene	9.64		"	10.0	0.00	96.4	70-130				
4-Methyl-2-pentanone	8.87		"	10.0	0.00	88.7	70-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI31800 - EPA 5030B											
Matrix Spike (BI31800-MS1) Matrix Spike *Source sample: 23I1412-01 (Matrix Spike) Prepared & Analyzed: 09/28/2023											
Acetone	25.4		ug/L	10.0	0.00	254	70-130	High Bias			
Acrylonitrile	12.9	"		10.0	0.00	129	70-130				
Benzene	13.3	"		10.0	0.00	133	70-130	High Bias			
Bromobenzene	9.59	"		10.0	0.00	95.9	70-130				
Bromochloromethane	13.3	"		10.0	0.00	133	70-130	High Bias			
Bromodichloromethane	12.4	"		10.0	0.00	124	70-130				
Bromoform	12.8	"		10.0	0.00	128	70-130				
Bromomethane	13.6	"		10.0	0.00	136	70-130	High Bias			
Carbon disulfide	13.6	"		10.0	0.00	136	70-130	High Bias			
Carbon tetrachloride	13.6	"		10.0	0.00	136	70-130	High Bias			
Chlorobenzene	12.3	"		10.0	0.00	123	70-130				
Chloroethane	13.6	"		10.0	0.00	136	70-130	High Bias			
Chloroform	13.5	"		10.0	0.00	135	70-130	High Bias			
Chloromethane	14.0	"		10.0	0.00	140	70-130	High Bias			
cis-1,2-Dichloroethylene	41.9	"		10.0	29.1	128	70-130				
cis-1,3-Dichloropropylene	11.8	"		10.0	0.00	118	70-130				
Dibromochloromethane	12.6	"		10.0	0.00	126	70-130				
Dibromomethane	12.1	"		10.0	0.00	121	70-130				
Dichlorodifluoromethane	12.9	"		10.0	0.00	129	70-130				
Ethyl Benzene	11.6	"		10.0	0.00	116	70-130				
Hexachlorobutadiene	9.55	"		10.0	0.00	95.5	70-130				
Isopropylbenzene	9.73	"		10.0	0.00	97.3	70-130				
Methyl Methacrylate	11.1	"		10.0	0.00	111	70-130				
Methyl tert-butyl ether (MTBE)	13.6	"		10.0	0.00	136	70-130	High Bias			
Methylene chloride	11.5	"		10.0	0.00	115	70-130				
Naphthalene	9.51	"		10.0	0.00	95.1	70-130				
n-Butylbenzene	9.44	"		10.0	0.00	94.4	70-130				
n-Propylbenzene	9.40	"		10.0	0.00	94.0	70-130				
o-Xylene	11.8	"		10.0	0.00	118	70-130				
p- & m- Xylenes	23.7	"		20.0	0.00	118	70-130				
p-Isopropyltoluene	9.76	"		10.0	0.00	97.6	70-130				
sec-Butylbenzene	9.81	"		10.0	0.00	98.1	70-130				
Styrene	12.2	"		10.0	0.00	122	70-130				
tert-Butylbenzene	9.37	"		10.0	0.00	93.7	70-130				
Tetrachloroethylene	12.2	"		10.0	4.89	73.3	70-130				
Tetrahydrofuran	12.4	"		10.0	0.00	124	70-130				
Toluene	11.8	"		10.0	0.00	118	70-130				
trans-1,2-Dichloroethylene	13.0	"		10.0	0.240	128	70-130				
trans-1,3-Dichloropropylene	11.8	"		10.0	0.00	118	70-130				
trans-1,4-dichloro-2-butene	9.11	"		10.0	0.00	91.1	70-130				
Trichloroethylene	21.5	"		10.0	9.82	116	70-130				
Trichlorofluoromethane	13.9	"		10.0	0.00	139	70-130	High Bias			
Vinyl Chloride	13.5	"		10.0	0.00	135	70-130	High Bias			
<i>Surrogate: SURL: 1,2-Dichloroethane-d4</i>	10.2	"		10.0		102	70-130				
<i>Surrogate: SURL: Toluene-d8</i>	9.58	"		10.0		95.8	70-130				
<i>Surrogate: SURL: p-Bromofluorobenzene</i>	8.56	"		10.0		85.6	70-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI31800 - EPA 5030B

Matrix Spike Dup (BI31800-N)	Source sample: 23I1412-01 (Matrix Spike Dup)	Prepared & Analyzed: 09/28/2023								
1,1,1,2-Tetrachloroethane	12.0	ug/L	10.0	0.00	120	70-130		1.41	30	
1,1,1-Trichloroethane	13.2	"	10.0	0.00	132	70-130	High Bias	2.18	30	
1,1,2,2-Tetrachloroethane	11.8	"	10.0	0.00	118	70-130		11.5	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	15.1	"	10.0	1.88	132	70-130	High Bias	4.85	30	
1,1,2-Trichloroethane	11.4	"	10.0	0.00	114	70-130		8.18	30	
1,1-Dichloroethane	12.0	"	10.0	0.00	120	70-130		3.60	30	
1,1-Dichloroethylene	13.2	"	10.0	0.380	128	70-130		4.66	30	
1,1-Dichloropropylene	12.2	"	10.0	0.00	122	70-130		2.98	30	
1,2,3-Trichlorobenzene	11.7	"	10.0	0.00	117	70-130		16.7	30	
1,2,3-Trichloropropane	11.2	"	10.0	0.00	112	70-130		12.8	30	
1,2,4-Trichlorobenzene	10.8	"	10.0	0.00	108	70-130		14.4	30	
1,2,4-Trimethylbenzene	10.4	"	10.0	0.00	104	70-130		5.04	30	
1,2-Dibromo-3-chloropropane	10.1	"	10.0	0.00	101	70-130		0.397	30	
1,2-Dibromoethane	11.8	"	10.0	0.00	118	70-130		3.25	30	
1,2-Dichlorobenzene	10.6	"	10.0	0.00	106	70-130		1.71	30	
1,2-Dichloroethane	12.8	"	10.0	0.00	128	70-130		3.30	30	
1,2-Dichloropropane	11.6	"	10.0	0.00	116	70-130		6.32	30	
1,3,5-Trimethylbenzene	10.6	"	10.0	0.00	106	70-130		11.8	30	
1,3-Dichlorobenzene	10.3	"	10.0	0.00	103	70-130		3.86	30	
1,3-Dichloropropane	11.5	"	10.0	0.00	115	70-130		7.92	30	
1,4-Dichlorobenzene	10.4	"	10.0	0.00	104	70-130		5.35	30	
2,2-Dichloropropane	12.0	"	10.0	0.00	120	70-130		2.46	30	
2-Butanone	18.9	"	10.0	0.00	189	70-130	High Bias	3.12	30	
2-Chlorotoluene	11.0	"	10.0	0.00	110	70-130		14.0	30	
2-Hexanone	9.37	"	10.0	0.00	93.7	70-130		4.28	30	
4-Chlorotoluene	10.6	"	10.0	0.00	106	70-130		9.39	30	
4-Methyl-2-pentanone	8.75	"	10.0	0.00	87.5	70-130		1.36	30	
Acetone	21.8	"	10.0	0.00	218	70-130	High Bias	15.2	30	
Acrylonitrile	12.7	"	10.0	0.00	127	70-130		1.56	30	
Benzene	12.7	"	10.0	0.00	127	70-130		4.31	30	
Bromobenzene	11.0	"	10.0	0.00	110	70-130		13.3	30	
Bromochloromethane	12.1	"	10.0	0.00	121	70-130		9.13	30	
Bromodichloromethane	11.8	"	10.0	0.00	118	70-130		4.55	30	
Bromoform	12.3	"	10.0	0.00	123	70-130		3.67	30	
Bromomethane	14.3	"	10.0	0.00	143	70-130	High Bias	5.46	30	
Carbon disulfide	12.8	"	10.0	0.00	128	70-130		5.97	30	
Carbon tetrachloride	13.5	"	10.0	0.00	135	70-130	High Bias	1.11	30	
Chlorobenzene	12.0	"	10.0	0.00	120	70-130		2.55	30	
Chloroethane	12.8	"	10.0	0.00	128	70-130		6.37	30	
Chloroform	13.0	"	10.0	0.00	130	70-130		3.86	30	
Chloromethane	12.4	"	10.0	0.00	124	70-130		12.4	30	
cis-1,2-Dichloroethylene	40.4	"	10.0	29.1	113	70-130		3.67	30	
cis-1,3-Dichloropropylene	11.0	"	10.0	0.00	110	70-130		7.04	30	
Dibromochloromethane	12.2	"	10.0	0.00	122	70-130		3.23	30	
Dibromomethane	11.2	"	10.0	0.00	112	70-130		7.45	30	
Dichlorodifluoromethane	11.9	"	10.0	0.00	119	70-130		7.88	30	
Ethyl Benzene	11.2	"	10.0	0.00	112	70-130		3.96	30	
Hexachlorobutadiene	10.4	"	10.0	0.00	104	70-130		8.62	30	
Isopropylbenzene	11.3	"	10.0	0.00	113	70-130		15.0	30	
Methyl Methacrylate	10.7	"	10.0	0.00	107	70-130		3.31	30	
Methyl tert-butyl ether (MTBE)	13.1	"	10.0	0.00	131	70-130	High Bias	3.60	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI31800 - EPA 5030B

Matrix Spike Dup (BI31800-N) Matrix Spike Dup Source sample: 23I1412-01 (Matrix Spike Dup)							Prepared & Analyzed: 09/28/2023			
Methylene chloride	10.8		ug/L	10.0	0.00	108	70-130		6.19	30
Naphthalene	11.2		"	10.0	0.00	112	70-130		16.3	30
n-Butylbenzene	9.97		"	10.0	0.00	99.7	70-130		5.46	30
n-Propylbenzene	10.8		"	10.0	0.00	108	70-130		13.8	30
o-Xylene	11.3		"	10.0	0.00	113	70-130		3.81	30
p- & m- Xylenes	22.7		"	20.0	0.00	114	70-130		4.27	30
p-Isopropyltoluene	10.3		"	10.0	0.00	103	70-130		5.19	30
sec-Butylbenzene	10.4		"	10.0	0.00	104	70-130		6.13	30
Styrene	11.7		"	10.0	0.00	117	70-130		4.02	30
tert-Butylbenzene	10.2		"	10.0	0.00	102	70-130		8.68	30
Tetrachloroethylene	12.0		"	10.0	4.89	71.2	70-130		1.73	30
Tetrahydrofuran	12.0		"	10.0	0.00	120	70-130		3.53	30
Toluene	11.3		"	10.0	0.00	113	70-130		3.89	30
trans-1,2-Dichloroethylene	12.5		"	10.0	0.240	122	70-130		4.31	30
trans-1,3-Dichloropropylene	11.2		"	10.0	0.00	112	70-130		5.83	30
trans-1,4-dichloro-2-butene	10.3		"	10.0	0.00	103	70-130		12.6	30
Trichloroethylene	21.1		"	10.0	9.82	113	70-130		1.69	30
Trichlorofluoromethane	13.6		"	10.0	0.00	136	70-130	High Bias	2.76	30
Vinyl Chloride	12.3		"	10.0	0.00	123	70-130		9.29	30
Surrogate: SURR: 1,2-Dichloroethane-d4	10.0		"	10.0		100	70-130			
Surrogate: SURR: Toluene-d8	9.40		"	10.0		94.0	70-130			
Surrogate: SURR: p-Bromofluorobenzene	9.85		"	10.0		98.5	70-130			

Batch BI31872 - EPA 5035A

Blank (BI31872-BLK1)	Blank	Prepared & Analyzed: 09/29/2023						
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet					
1,1,1-Trichloroethane	ND	5.0	"					
1,1,2,2-Tetrachloroethane	ND	5.0	"					
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"					
1,1,2-Trichloroethane	ND	5.0	"					
1,1-Dichloroethane	ND	5.0	"					
1,1-Dichloroethylene	ND	5.0	"					
1,1-Dichloropropylene	ND	5.0	"					
1,2,3-Trichlorobenzene	ND	5.0	"					
1,2,3-Trichloropropane	ND	5.0	"					
1,2,4-Trichlorobenzene	ND	5.0	"					
1,2,4-Trimethylbenzene	ND	5.0	"					
1,2-Dibromo-3-chloropropane	ND	5.0	"					
1,2-Dibromoethane	ND	5.0	"					
1,2-Dichlorobenzene	ND	5.0	"					
1,2-Dichloroethane	ND	5.0	"					
1,2-Dichloropropane	ND	5.0	"					
1,3,5-Trimethylbenzene	ND	5.0	"					
1,3-Dichlorobenzene	ND	5.0	"					
1,3-Dichloropropane	ND	5.0	"					
1,4-Dichlorobenzene	ND	5.0	"					
2,2-Dichloropropane	ND	5.0	"					
2-Butanone	ND	5.0	"					
2-Chlorotoluene	ND	5.0	"					
2-Hexanone	ND	5.0	"					



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD RPD	RPD Limit	RPD Flag
Batch BI31872 - EPA 5035A											
Blank (BI31872-BLK1) Blank Prepared & Analyzed: 09/29/2023											
4-Chlorotoluene	ND	5.0	ug/kg wet								
4-Methyl-2-pentanone	ND	5.0	"								
Acetone	ND	10	"								
Acrylonitrile	ND	5.0	"								
Benzene	ND	5.0	"								
Bromobenzene	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon disulfide	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl Methacrylate	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylene chloride	ND	10	"								
Naphthalene	ND	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Tetrahydrofuran	ND	10	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
trans-1,4-dichloro-2-butene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Surrogate: SURL: 1,2-Dichloroethane-d4	48.1	ug/L	50.0		96.2	70-130					
Surrogate: SURL: Toluene-d8	48.3	"	50.0		96.6	70-130					
Surrogate: SURL: p-Bromofluorobenzene	50.7	"	50.0		101	70-130					



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI31872 - EPA 5035A

Blank (BI31872-BLK2)	MEOH BLK	Prepared & Analyzed: 09/29/2023									
1,1,1,2-Tetrachloroethane	ND	500	ug/kg wet								
1,1,1-Trichloroethane	ND	500	"								
1,1,2,2-Tetrachloroethane	ND	500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	500	"								
1,1,2-Trichloroethane	ND	500	"								
1,1-Dichloroethane	ND	500	"								
1,1-Dichloroethylene	ND	500	"								
1,1-Dichloropropylene	ND	500	"								
1,2,3-Trichlorobenzene	ND	500	"								
1,2,3-Trichloropropane	ND	500	"								
1,2,4-Trichlorobenzene	ND	500	"								
1,2,4-Trimethylbenzene	ND	500	"								
1,2-Dibromo-3-chloropropane	ND	500	"								
1,2-Dibromoethane	ND	500	"								
1,2-Dichlorobenzene	ND	500	"								
1,2-Dichloroethane	ND	500	"								
1,2-Dichloropropane	ND	500	"								
1,3,5-Trimethylbenzene	ND	500	"								
1,3-Dichlorobenzene	ND	500	"								
1,3-Dichloropropane	ND	500	"								
1,4-Dichlorobenzene	ND	500	"								
2,2-Dichloropropane	ND	500	"								
2-Butanone	ND	500	"								
2-Chlorotoluene	ND	500	"								
2-Hexanone	ND	500	"								
4-Chlorotoluene	ND	500	"								
4-Methyl-2-pentanone	ND	500	"								
Acetone	ND	1000	"								
Acrylonitrile	ND	500	"								
Benzene	ND	500	"								
Bromobenzene	ND	500	"								
Bromochloromethane	ND	500	"								
Bromodichloromethane	ND	500	"								
Bromoform	ND	500	"								
Bromomethane	ND	500	"								
Carbon disulfide	ND	500	"								
Carbon tetrachloride	ND	500	"								
Chlorobenzene	ND	500	"								
Chloroethane	ND	500	"								
Chloroform	ND	500	"								
Chloromethane	ND	500	"								
cis-1,2-Dichloroethylene	ND	500	"								
cis-1,3-Dichloropropylene	ND	500	"								
Dibromochloromethane	ND	500	"								
Dibromomethane	ND	500	"								
Dichlorodifluoromethane	ND	500	"								
Ethyl Benzene	ND	500	"								
Hexachlorobutadiene	ND	500	"								
Isopropylbenzene	ND	500	"								
Methyl Methacrylate	ND	500	"								
Methyl tert-butyl ether (MTBE)	ND	500	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI31872 - EPA 5035A

Blank (BI31872-BLK2)	MEOH BLK	Prepared & Analyzed: 09/29/2023						
Methylene chloride	ND	1000	ug/kg wet					
Naphthalene	ND	1000	"					
n-Butylbenzene	ND	500	"					
n-Propylbenzene	ND	500	"					
o-Xylene	ND	500	"					
p- & m- Xylenes	ND	1000	"					
p-Isopropyltoluene	ND	500	"					
sec-Butylbenzene	ND	500	"					
Styrene	ND	500	"					
tert-Butylbenzene	ND	500	"					
Tetrachloroethylene	ND	500	"					
Tetrahydrofuran	ND	1000	"					
Toluene	ND	500	"					
trans-1,2-Dichloroethylene	ND	500	"					
trans-1,3-Dichloropropylene	ND	500	"					
trans-1,4-dichloro-2-butene	ND	500	"					
Trichloroethylene	ND	500	"					
Trichlorofluoromethane	ND	500	"					
Vinyl Chloride	ND	500	"					
Surrogate: SURR: 1,2-Dichloroethane-d4	47.7	ug/L	50.0		95.4	70-130		
Surrogate: SURR: Toluene-d8	48.1	"	50.0		96.3	70-130		
Surrogate: SURR: p-Bromofluorobenzene	51.0	"	50.0		102	70-130		

LCS (BI31872-BS1)	LCS	Prepared & Analyzed: 09/29/2023						
1,1,1,2-Tetrachloroethane	44.8	ug/L	50.0		89.6	70-130		
1,1,1-Trichloroethane	43.4	"	50.0		86.9	70-130		
1,1,2,2-Tetrachloroethane	44.3	"	50.0		88.6	70-130		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	48.2	"	50.0		96.5	70-130		
1,1,2-Trichloroethane	43.9	"	50.0		87.8	70-130		
1,1-Dichloroethane	41.8	"	50.0		83.7	70-130		
1,1-Dichloroethylene	43.4	"	50.0		86.7	70-130		
1,1-Dichloropropylene	39.5	"	50.0		79.0	70-130		
1,2,3-Trichlorobenzene	48.1	"	50.0		96.2	70-130		
1,2,3-Trichloropropane	44.4	"	50.0		88.9	70-130		
1,2,4-Trichlorobenzene	47.5	"	50.0		94.9	70-130		
1,2,4-Trimethylbenzene	41.2	"	50.0		82.4	70-130		
1,2-Dibromo-3-chloropropane	42.6	"	50.0		85.1	70-130		
1,2-Dibromoethane	47.1	"	50.0		94.2	70-130		
1,2-Dichlorobenzene	44.8	"	50.0		89.6	70-130		
1,2-Dichloroethane	44.3	"	50.0		88.6	70-130		
1,2-Dichloropropane	43.1	"	50.0		86.3	70-130		
1,3,5-Trimethylbenzene	40.2	"	50.0		80.4	70-130		
1,3-Dichlorobenzene	43.8	"	50.0		87.6	70-130		
1,3-Dichloropropane	44.2	"	50.0		88.4	70-130		
1,4-Dichlorobenzene	43.8	"	50.0		87.5	70-130		
2,2-Dichloropropane	43.2	"	50.0		86.5	70-130		
2-Butanone	39.9	"	50.0		79.8	70-130		
2-Chlorotoluene	40.4	"	50.0		80.9	70-130		
2-Hexanone	42.2	"	50.0		84.4	70-130		
4-Chlorotoluene	40.8	"	50.0		81.7	70-130		
4-Methyl-2-pentanone	45.0	"	50.0		90.1	70-130		



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI31872 - EPA 5035A											
LCS (BI31872-BS1) LCS Prepared & Analyzed: 09/29/2023											
Acetone	95.5		ug/L	50.0	191	70-130	High Bias				
Acrylonitrile	48.4	"	50.0		96.9	70-130					
Benzene	43.4	"	50.0		86.8	70-130					
Bromobenzene	40.4	"	50.0		80.8	70-130					
Bromochloromethane	44.3	"	50.0		88.6	70-130					
Bromodichloromethane	41.1	"	50.0		82.2	70-130					
Bromoform	50.8	"	50.0		102	70-130					
Bromomethane	36.0	"	50.0		72.0	70-130					
Carbon disulfide	44.1	"	50.0		88.2	70-130					
Carbon tetrachloride	43.5	"	50.0		87.0	70-130					
Chlorobenzene	45.0	"	50.0		90.1	70-130					
Chloroethane	40.8	"	50.0		81.5	70-130					
Chloroform	43.7	"	50.0		87.5	70-130					
Chloromethane	45.0	"	50.0		90.0	70-130					
cis-1,2-Dichloroethylene	42.5	"	50.0		85.0	70-130					
cis-1,3-Dichloropropylene	41.8	"	50.0		83.5	70-130					
Dibromochloromethane	45.3	"	50.0		90.6	70-130					
Dibromomethane	43.1	"	50.0		86.1	70-130					
Dichlorodifluoromethane	43.4	"	50.0		86.7	70-130					
Ethyl Benzene	40.8	"	50.0		81.5	70-130					
Hexachlorobutadiene	48.3	"	50.0		96.5	70-130					
Isopropylbenzene	42.1	"	50.0		84.1	70-130					
Methyl Methacrylate	43.4	"	50.0		86.8	70-130					
Methyl tert-butyl ether (MTBE)	48.8	"	50.0		97.5	70-130					
Methylene chloride	41.0	"	50.0		82.0	70-130					
Naphthalene	45.5	"	50.0		91.0	70-130					
n-Butylbenzene	39.5	"	50.0		79.0	70-130					
n-Propylbenzene	40.1	"	50.0		80.3	70-130					
o-Xylene	42.2	"	50.0		84.3	70-130					
p- & m- Xylenes	80.6	"	100		80.6	70-130					
p-Isopropyltoluene	41.5	"	50.0		83.1	70-130					
sec-Butylbenzene	41.4	"	50.0		82.7	70-130					
Styrene	43.6	"	50.0		87.1	70-130					
tert-Butylbenzene	42.9	"	50.0		85.9	70-130					
Tetrachloroethylene	37.5	"	50.0		75.0	70-130					
Tetrahydrofuran	46.8	"	50.0		93.7	70-130					
Toluene	40.5	"	50.0		81.0	70-130					
trans-1,2-Dichloroethylene	42.6	"	50.0		85.2	70-130					
trans-1,3-Dichloropropylene	41.6	"	50.0		83.1	70-130					
trans-1,4-dichloro-2-butene	43.0	"	50.0		85.9	70-130					
Trichloroethylene	41.8	"	50.0		83.7	70-130					
Trichlorofluoromethane	40.5	"	50.0		81.0	70-130					
Vinyl Chloride	41.3	"	50.0		82.6	70-130					
<i>Surrogate: Surr: 1,2-Dichloroethane-d4</i>	47.4	"	50.0		94.7	70-130					
<i>Surrogate: Surr: Toluene-d8</i>	47.4	"	50.0		94.9	70-130					
<i>Surrogate: Surr: p-Bromofluorobenzene</i>	47.0	"	50.0		94.0	70-130					



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting		Spike	Source*	%REC		RPD	
		Limit	Units	Level	Result	%REC	Limits	Flag	RPD

Batch BI31872 - EPA 5035A

LCS Dup (BI31872-BSD1)	LCS Dup						Prepared & Analyzed: 09/29/2023	
1,1,1,2-Tetrachloroethane	42.4	ug/L	50.0	84.8	70-130	5.44	30	
1,1,1-Trichloroethane	42.4	"	50.0	84.8	70-130	2.40	30	
1,1,2,2-Tetrachloroethane	42.2	"	50.0	84.3	70-130	5.00	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	47.2	"	50.0	94.4	70-130	2.14	30	
1,1,2-Trichloroethane	42.5	"	50.0	85.0	70-130	3.29	30	
1,1-Dichloroethane	41.7	"	50.0	83.4	70-130	0.359	30	
1,1-Dichloroethylene	43.1	"	50.0	86.2	70-130	0.532	30	
1,1-Dichloropropylene	39.4	"	50.0	78.8	70-130	0.228	30	
1,2,3-Trichlorobenzene	46.0	"	50.0	92.0	70-130	4.46	30	
1,2,3-Trichloropropane	41.9	"	50.0	83.7	70-130	5.96	30	
1,2,4-Trichlorobenzene	45.4	"	50.0	90.7	70-130	4.52	30	
1,2,4-Trimethylbenzene	39.1	"	50.0	78.2	70-130	5.26	30	
1,2-Dibromo-3-chloropropane	39.5	"	50.0	78.9	70-130	7.53	30	
1,2-Dibromoethane	44.2	"	50.0	88.3	70-130	6.44	30	
1,2-Dichlorobenzene	42.5	"	50.0	85.0	70-130	5.25	30	
1,2-Dichloroethane	42.9	"	50.0	85.9	70-130	3.12	30	
1,2-Dichloropropane	41.9	"	50.0	83.7	70-130	2.99	30	
1,3,5-Trimethylbenzene	38.3	"	50.0	76.7	70-130	4.71	30	
1,3-Dichlorobenzene	41.6	"	50.0	83.2	70-130	5.15	30	
1,3-Dichloropropane	41.7	"	50.0	83.4	70-130	5.87	30	
1,4-Dichlorobenzene	41.3	"	50.0	82.5	70-130	5.86	30	
2,2-Dichloropropane	42.1	"	50.0	84.1	70-130	2.74	30	
2-Butanone	39.4	"	50.0	78.8	70-130	1.16	30	
2-Chlorotoluene	38.2	"	50.0	76.4	70-130	5.72	30	
2-Hexanone	39.0	"	50.0	77.9	70-130	7.91	30	
4-Chlorotoluene	38.6	"	50.0	77.2	70-130	5.67	30	
4-Methyl-2-pentanone	42.6	"	50.0	85.2	70-130	5.54	30	
Acetone	89.6	"	50.0	179	70-130	High Bias	6.38	30
Acrylonitrile	45.4	"	50.0	90.7	70-130		6.59	30
Benzene	43.0	"	50.0	86.0	70-130		0.949	30
Bromobenzene	38.7	"	50.0	77.4	70-130		4.25	30
Bromochloromethane	43.7	"	50.0	87.5	70-130		1.34	30
Bromodichloromethane	39.5	"	50.0	78.9	70-130		4.02	30
Bromoform	48.6	"	50.0	97.3	70-130		4.42	30
Bromomethane	37.7	"	50.0	75.3	70-130		4.53	30
Carbon disulfide	44.5	"	50.0	89.0	70-130		0.903	30
Carbon tetrachloride	42.2	"	50.0	84.5	70-130		2.99	30
Chlorobenzene	43.0	"	50.0	86.0	70-130		4.61	30
Chlorethane	42.0	"	50.0	83.9	70-130		2.90	30
Chloroform	43.0	"	50.0	86.1	70-130		1.64	30
Chloromethane	45.3	"	50.0	90.7	70-130		0.731	30
cis-1,2-Dichloroethylene	41.6	"	50.0	83.2	70-130		2.19	30
cis-1,3-Dichloropropylene	40.0	"	50.0	79.9	70-130		4.36	30
Dibromochloromethane	43.4	"	50.0	86.8	70-130		4.31	30
Dibromomethane	41.5	"	50.0	83.0	70-130		3.64	30
Dichlorodifluoromethane	41.5	"	50.0	83.0	70-130		4.38	30
Ethyl Benzene	38.9	"	50.0	77.9	70-130		4.62	30
Hexachlorobutadiene	45.6	"	50.0	91.3	70-130		5.58	30
Isopropylbenzene	39.5	"	50.0	79.0	70-130		6.35	30
Methyl Methacrylate	41.2	"	50.0	82.3	70-130		5.30	30
Methyl tert-butyl ether (MTBE)	47.1	"	50.0	94.1	70-130		3.55	30



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI31872 - EPA 5035A

LCS Dup (BI31872-BSD1)	LCS Dup	Prepared & Analyzed: 09/29/2023								
Methylene chloride	40.7		ug/L	50.0	81.3	70-130		0.857	30	
Naphthalene	42.8		"	50.0	85.6	70-130		6.05	30	
n-Butylbenzene	37.0		"	50.0	73.9	70-130		6.67	30	
n-Propylbenzene	37.7		"	50.0	75.4	70-130		6.30	30	
o-Xylene	40.2		"	50.0	80.5	70-130		4.71	30	
p- & m- Xylenes	76.8		"	100	76.8	70-130		4.92	30	
p-Isopropyltoluene	39.2		"	50.0	78.4	70-130		5.85	30	
sec-Butylbenzene	38.9		"	50.0	77.9	70-130		6.03	30	
Styrene	41.9		"	50.0	83.8	70-130		3.89	30	
tert-Butylbenzene	40.3		"	50.0	80.6	70-130		6.37	30	
Tetrachloroethylene	36.4		"	50.0	72.7	70-130		3.06	30	
Tetrahydrofuran	43.1		"	50.0	86.3	70-130		8.20	30	
Toluene	39.2		"	50.0	78.4	70-130		3.29	30	
trans-1,2-Dichloroethylene	42.2		"	50.0	84.5	70-130		0.872	30	
trans-1,3-Dichloropropylene	40.0		"	50.0	79.9	70-130		3.97	30	
trans-1,4-dichloro-2-butene	40.7		"	50.0	81.3	70-130		5.52	30	
Trichloroethylene	40.6		"	50.0	81.2	70-130		2.98	30	
Trichlorofluoromethane	41.2		"	50.0	82.3	70-130		1.69	30	
Vinyl Chloride	41.2		"	50.0	82.3	70-130		0.340	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	47.4		"	50.0	94.7	70-130				
Surrogate: SURR: Toluene-d8	47.2		"	50.0	94.4	70-130				
Surrogate: SURR: p-Bromofluorobenzene	47.1		"	50.0	94.2	70-130				

Batch BJ30019 - EPA 5035A

Blank (BJ30019-BLK1)	Blank	Prepared & Analyzed: 10/02/2023						
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet					
1,1,1-Trichloroethane	ND	5.0	"					
1,1,2,2-Tetrachloroethane	ND	5.0	"					
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"					
1,1,2-Trichloroethane	ND	5.0	"					
1,1-Dichloroethane	ND	5.0	"					
1,1-Dichloroethylene	ND	5.0	"					
1,1-Dichloropropylene	ND	5.0	"					
1,2,3-Trichlorobenzene	ND	5.0	"					
1,2,3-Trichloropropane	ND	5.0	"					
1,2,4-Trichlorobenzene	ND	5.0	"					
1,2,4-Trimethylbenzene	ND	5.0	"					
1,2-Dibromo-3-chloropropane	ND	5.0	"					
1,2-Dibromoethane	ND	5.0	"					
1,2-Dichlorobenzene	ND	5.0	"					
1,2-Dichloroethane	ND	5.0	"					
1,2-Dichloropropane	ND	5.0	"					
1,3,5-Trimethylbenzene	ND	5.0	"					
1,3-Dichlorobenzene	ND	5.0	"					
1,3-Dichloropropane	ND	5.0	"					
1,4-Dichlorobenzene	ND	5.0	"					
2,2-Dichloropropane	ND	5.0	"					
2-Butanone	ND	5.0	"					
2-Chlorotoluene	ND	5.0	"					
2-Hexanone	ND	5.0	"					



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD RPD	RPD Limit	RPD Flag
Batch BJ30019 - EPA 5035A											
Blank (BJ30019-BLK1) Blank Prepared & Analyzed: 10/02/2023											
4-Chlorotoluene	ND	5.0	ug/kg wet								
4-Methyl-2-pentanone	ND	5.0	"								
Acetone	ND	10	"								
Acrylonitrile	ND	5.0	"								
Benzene	ND	5.0	"								
Bromobenzene	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon disulfide	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl Methacrylate	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylene chloride	ND	10	"								
Naphthalene	ND	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Tetrahydrofuran	ND	10	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
trans-1,4-dichloro-2-butene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
<i>Surrogate: SURL: 1,2-Dichloroethane-d4</i>	47.4	ug/L	50.0		94.7	70-130					
<i>Surrogate: SURL: Toluene-d8</i>	48.0	"	50.0		96.0	70-130					
<i>Surrogate: SURL: p-Bromofluorobenzene</i>	50.2	"	50.0		100	70-130					



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BJ30019 - EPA 5035A

Blank (BJ30019-BLK2)	Blank	Prepared & Analyzed: 10/02/2023									
1,1,1,2-Tetrachloroethane	ND	500	ug/kg wet								
1,1,1-Trichloroethane	ND	500	"								
1,1,2,2-Tetrachloroethane	ND	500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	500	"								
1,1,2-Trichloroethane	ND	500	"								
1,1-Dichloroethane	ND	500	"								
1,1-Dichloroethylene	ND	500	"								
1,1-Dichloropropylene	ND	500	"								
1,2,3-Trichlorobenzene	ND	500	"								
1,2,3-Trichloropropane	ND	500	"								
1,2,4-Trichlorobenzene	ND	500	"								
1,2,4-Trimethylbenzene	ND	500	"								
1,2-Dibromo-3-chloropropane	ND	500	"								
1,2-Dibromoethane	ND	500	"								
1,2-Dichlorobenzene	ND	500	"								
1,2-Dichloroethane	ND	500	"								
1,2-Dichloropropane	ND	500	"								
1,3,5-Trimethylbenzene	ND	500	"								
1,3-Dichlorobenzene	ND	500	"								
1,3-Dichloropropane	ND	500	"								
1,4-Dichlorobenzene	ND	500	"								
2,2-Dichloropropane	ND	500	"								
2-Butanone	ND	500	"								
2-Chlorotoluene	ND	500	"								
2-Hexanone	ND	500	"								
4-Chlorotoluene	ND	500	"								
4-Methyl-2-pentanone	ND	500	"								
Acetone	ND	1000	"								
Acrylonitrile	ND	500	"								
Benzene	ND	500	"								
Bromobenzene	ND	500	"								
Bromochloromethane	ND	500	"								
Bromodichloromethane	ND	500	"								
Bromoform	ND	500	"								
Bromomethane	ND	500	"								
Carbon disulfide	ND	500	"								
Carbon tetrachloride	ND	500	"								
Chlorobenzene	ND	500	"								
Chloroethane	ND	500	"								
Chloroform	ND	500	"								
Chloromethane	ND	500	"								
cis-1,2-Dichloroethylene	ND	500	"								
cis-1,3-Dichloropropylene	ND	500	"								
Dibromochloromethane	ND	500	"								
Dibromomethane	ND	500	"								
Dichlorodifluoromethane	ND	500	"								
Ethyl Benzene	ND	500	"								
Hexachlorobutadiene	ND	500	"								
Isopropylbenzene	ND	500	"								
Methyl Methacrylate	ND	500	"								
Methyl tert-butyl ether (MTBE)	ND	500	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BJ30019 - EPA 5035A

Blank (BJ30019-BLK2)	Blank	Prepared & Analyzed: 10/02/2023						
Methylene chloride	ND	1000	ug/kg wet					
Naphthalene	ND	1000	"					
n-Butylbenzene	ND	500	"					
n-Propylbenzene	ND	500	"					
o-Xylene	ND	500	"					
p- & m- Xylenes	ND	1000	"					
p-Isopropyltoluene	ND	500	"					
sec-Butylbenzene	ND	500	"					
Styrene	ND	500	"					
tert-Butylbenzene	ND	500	"					
Tetrachloroethylene	ND	500	"					
Tetrahydrofuran	ND	1000	"					
Toluene	ND	500	"					
trans-1,2-Dichloroethylene	ND	500	"					
trans-1,3-Dichloropropylene	ND	500	"					
trans-1,4-dichloro-2-butene	ND	500	"					
Trichloroethylene	ND	500	"					
Trichlorofluoromethane	ND	500	"					
Vinyl Chloride	ND	500	"					
Surrogate: SURR: 1,2-Dichloroethane-d4	47.8	ug/L	50.0		95.6	70-130		
Surrogate: SURR: Toluene-d8	48.0	"	50.0		95.9	70-130		
Surrogate: SURR: p-Bromofluorobenzene	50.1	"	50.0		100	70-130		

LCS (BJ30019-BS1)	LCS	Prepared & Analyzed: 10/02/2023						
1,1,1,2-Tetrachloroethane	46.8	ug/L	50.0		93.5	70-130		
1,1,1-Trichloroethane	47.2	"	50.0		94.3	70-130		
1,1,2,2-Tetrachloroethane	44.7	"	50.0		89.4	70-130		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	53.7	"	50.0		107	70-130		
1,1,2-Trichloroethane	45.0	"	50.0		90.1	70-130		
1,1-Dichloroethane	45.8	"	50.0		91.6	70-130		
1,1-Dichloroethylene	49.4	"	50.0		98.7	70-130		
1,1-Dichloropropylene	44.4	"	50.0		88.8	70-130		
1,2,3-Trichlorobenzene	49.7	"	50.0		99.3	70-130		
1,2,3-Trichloropropane	44.7	"	50.0		89.4	70-130		
1,2,4-Trichlorobenzene	49.5	"	50.0		98.9	70-130		
1,2,4-Trimethylbenzene	43.1	"	50.0		86.2	70-130		
1,2-Dibromo-3-chloropropane	41.9	"	50.0		83.7	70-130		
1,2-Dibromoethane	47.8	"	50.0		95.6	70-130		
1,2-Dichlorobenzene	46.5	"	50.0		93.1	70-130		
1,2-Dichloroethane	46.3	"	50.0		92.7	70-130		
1,2-Dichloropropane	45.4	"	50.0		90.8	70-130		
1,3,5-Trimethylbenzene	42.5	"	50.0		84.9	70-130		
1,3-Dichlorobenzene	46.3	"	50.0		92.6	70-130		
1,3-Dichloropropane	45.1	"	50.0		90.2	70-130		
1,4-Dichlorobenzene	45.6	"	50.0		91.1	70-130		
2,2-Dichloropropane	46.8	"	50.0		93.6	70-130		
2-Butanone	44.4	"	50.0		88.9	70-130		
2-Chlorotoluene	42.1	"	50.0		84.2	70-130		
2-Hexanone	42.5	"	50.0		85.1	70-130		
4-Chlorotoluene	43.0	"	50.0		86.0	70-130		
4-Methyl-2-pentanone	45.3	"	50.0		90.6	70-130		



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ30019 - EPA 5035A											
LCS (BJ30019-BS1) LCS Prepared & Analyzed: 10/02/2023											
Acetone	104		ug/L	50.0	209	70-130	High Bias				
Acrylonitrile	49.1	"	50.0		98.2	70-130					
Benzene	47.5	"	50.0		95.0	70-130					
Bromobenzene	41.8	"	50.0		83.5	70-130					
Bromochloromethane	47.2	"	50.0		94.4	70-130					
Bromodichloromethane	43.0	"	50.0		86.0	70-130					
Bromoform	52.1	"	50.0		104	70-130					
Bromomethane	42.5	"	50.0		85.0	70-130					
Carbon disulfide	51.4	"	50.0		103	70-130					
Carbon tetrachloride	47.8	"	50.0		95.7	70-130					
Chlorobenzene	47.9	"	50.0		95.9	70-130					
Chloroethane	48.9	"	50.0		97.8	70-130					
Chloroform	47.2	"	50.0		94.3	70-130					
Chloromethane	55.6	"	50.0		111	70-130					
cis-1,2-Dichloroethylene	45.9	"	50.0		91.8	70-130					
cis-1,3-Dichloropropylene	43.3	"	50.0		86.6	70-130					
Dibromochloromethane	46.6	"	50.0		93.2	70-130					
Dibromomethane	44.8	"	50.0		89.7	70-130					
Dichlorodifluoromethane	60.7	"	50.0		121	70-130					
Ethyl Benzene	44.3	"	50.0		88.7	70-130					
Hexachlorobutadiene	51.4	"	50.0		103	70-130					
Isopropylbenzene	44.4	"	50.0		88.9	70-130					
Methyl Methacrylate	43.9	"	50.0		87.8	70-130					
Methyl tert-butyl ether (MTBE)	48.2	"	50.0		96.4	70-130					
Methylene chloride	43.5	"	50.0		87.1	70-130					
Naphthalene	45.4	"	50.0		90.9	70-130					
n-Butylbenzene	42.6	"	50.0		85.2	70-130					
n-Propylbenzene	42.8	"	50.0		85.5	70-130					
o-Xylene	45.1	"	50.0		90.2	70-130					
p- & m- Xylenes	87.7	"	100		87.7	70-130					
p-Isopropyltoluene	44.1	"	50.0		88.2	70-130					
sec-Butylbenzene	43.8	"	50.0		87.7	70-130					
Styrene	46.4	"	50.0		92.8	70-130					
tert-Butylbenzene	44.9	"	50.0		89.8	70-130					
Tetrachloroethylene	41.0	"	50.0		82.0	70-130					
Tetrahydrofuran	46.1	"	50.0		92.1	70-130					
Toluene	44.2	"	50.0		88.3	70-130					
trans-1,2-Dichloroethylene	47.4	"	50.0		94.8	70-130					
trans-1,3-Dichloropropylene	42.7	"	50.0		85.4	70-130					
trans-1,4-dichloro-2-butene	44.1	"	50.0		88.3	70-130					
Trichloroethylene	44.9	"	50.0		89.8	70-130					
Trichlorofluoromethane	48.1	"	50.0		96.2	70-130					
Vinyl Chloride	51.5	"	50.0		103	70-130					
<i>Surrogate: SURL: 1,2-Dichloroethane-d4</i>	47.6	"	50.0		95.2	70-130					
<i>Surrogate: SURL: Toluene-d8</i>	47.4	"	50.0		94.8	70-130					
<i>Surrogate: SURL: p-Bromofluorobenzene</i>	46.4	"	50.0		92.9	70-130					



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ30019 - EPA 5035A											
LCS Dup (BJ30019-BSD1) LCS Dup Prepared & Analyzed: 10/02/2023											
1,1,1,2-Tetrachloroethane	47.7		ug/L	50.0	95.4	70-130			2.05	30	
1,1,1-Trichloroethane	48.8		"	50.0	97.6	70-130			3.44	30	
1,1,2,2-Tetrachloroethane	45.8		"	50.0	91.7	70-130			2.47	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	55.4		"	50.0	111	70-130			3.26	30	
1,1,2-Trichloroethane	46.1		"	50.0	92.3	70-130			2.44	30	
1,1-Dichloroethane	46.9		"	50.0	93.8	70-130			2.37	30	
1,1-Dichloroethylene	51.0		"	50.0	102	70-130			3.17	30	
1,1-Dichloropropylene	45.4		"	50.0	90.8	70-130			2.29	30	
1,2,3-Trichlorobenzene	51.1		"	50.0	102	70-130			2.88	30	
1,2,3-Trichloropropane	45.5		"	50.0	90.9	70-130			1.69	30	
1,2,4-Trichlorobenzene	50.7		"	50.0	101	70-130			2.46	30	
1,2,4-Trimethylbenzene	44.2		"	50.0	88.4	70-130			2.52	30	
1,2-Dibromo-3-chloropropane	43.2		"	50.0	86.4	70-130			3.13	30	
1,2-Dibromoethane	48.7		"	50.0	97.4	70-130			1.89	30	
1,2-Dichlorobenzene	47.0		"	50.0	94.1	70-130			1.09	30	
1,2-Dichloroethane	47.1		"	50.0	94.2	70-130			1.65	30	
1,2-Dichloropropane	46.4		"	50.0	92.9	70-130			2.24	30	
1,3,5-Trimethylbenzene	43.9		"	50.0	87.8	70-130			3.29	30	
1,3-Dichlorobenzene	47.1		"	50.0	94.1	70-130			1.65	30	
1,3-Dichloropropane	46.1		"	50.0	92.2	70-130			2.28	30	
1,4-Dichlorobenzene	46.9		"	50.0	93.7	70-130			2.83	30	
2,2-Dichloropropane	48.2		"	50.0	96.4	70-130			2.97	30	
2-Butanone	45.6		"	50.0	91.2	70-130			2.51	30	
2-Chlorotoluene	43.2		"	50.0	86.4	70-130			2.56	30	
2-Hexanone	44.2		"	50.0	88.5	70-130			3.94	30	
4-Chlorotoluene	43.9		"	50.0	87.8	70-130			2.14	30	
4-Methyl-2-pentanone	46.4		"	50.0	92.9	70-130			2.55	30	
Acetone	109		"	50.0	218	70-130	High Bias		4.18	30	
Acrylonitrile	51.6		"	50.0	103	70-130			4.93	30	
Benzene	48.8		"	50.0	97.6	70-130			2.74	30	
Bromobenzene	43.2		"	50.0	86.3	70-130			3.30	30	
Bromochloromethane	47.8		"	50.0	95.5	70-130			1.14	30	
Bromodichloromethane	43.6		"	50.0	87.3	70-130			1.48	30	
Bromoform	54.1		"	50.0	108	70-130			3.65	30	
Bromomethane	44.1		"	50.0	88.2	70-130			3.74	30	
Carbon disulfide	53.3		"	50.0	107	70-130			3.50	30	
Carbon tetrachloride	49.6		"	50.0	99.3	70-130			3.65	30	
Chlorobenzene	49.0		"	50.0	97.9	70-130			2.13	30	
Chloroethane	50.5		"	50.0	101	70-130			3.18	30	
Chloroform	48.2		"	50.0	96.4	70-130			2.22	30	
Chloromethane	57.5		"	50.0	115	70-130			3.32	30	
cis-1,2-Dichloroethylene	47.2		"	50.0	94.3	70-130			2.64	30	
cis-1,3-Dichloropropylene	44.5		"	50.0	89.0	70-130			2.76	30	
Dibromochloromethane	48.1		"	50.0	96.1	70-130			3.04	30	
Dibromomethane	45.1		"	50.0	90.3	70-130			0.689	30	
Dichlorodifluoromethane	62.2		"	50.0	124	70-130			2.46	30	
Ethyl Benzene	45.4		"	50.0	90.9	70-130			2.47	30	
Hexachlorobutadiene	53.1		"	50.0	106	70-130			3.22	30	
Isopropylbenzene	45.6		"	50.0	91.2	70-130			2.51	30	
Methyl Methacrylate	45.2		"	50.0	90.5	70-130			2.98	30	
Methyl tert-butyl ether (MTBE)	49.6		"	50.0	99.2	70-130			2.80	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ30019 - EPA 5035A											
LCS Dup (BJ30019-BSD1) LCS Dup Prepared & Analyzed: 10/02/2023											
Methylene chloride											
44.4 ug/L 50.0 88.9 70-130 2.05 30											
Naphthalene											
46.6 " 50.0 93.1 70-130 2.43 30											
n-Butylbenzene											
43.2 " 50.0 86.5 70-130 1.47 30											
n-Propylbenzene											
43.9 " 50.0 87.8 70-130 2.65 30											
o-Xylene											
46.1 " 50.0 92.3 70-130 2.21 30											
p- & m- Xylenes											
89.7 " 100 89.7 70-130 2.20 30											
p-Isopropyltoluene											
45.8 " 50.0 91.6 70-130 3.74 30											
sec-Butylbenzene											
45.4 " 50.0 90.7 70-130 3.43 30											
Styrene											
47.6 " 50.0 95.2 70-130 2.57 30											
tert-Butylbenzene											
46.2 " 50.0 92.5 70-130 2.92 30											
Tetrachloroethylene											
42.8 " 50.0 85.6 70-130 4.32 30											
Tetrahydrofuran											
48.3 " 50.0 96.6 70-130 4.77 30											
Toluene											
45.1 " 50.0 90.2 70-130 2.13 30											
trans-1,2-Dichloroethylene											
48.6 " 50.0 97.1 70-130 2.35 30											
trans-1,3-Dichloropropylene											
43.9 " 50.0 87.7 70-130 2.70 30											
trans-1,4-dichloro-2-butene											
44.7 " 50.0 89.3 70-130 1.19 30											
Trichloroethylene											
46.5 " 50.0 92.9 70-130 3.44 30											
Trichlorofluoromethane											
50.2 " 50.0 100 70-130 4.17 30											
Vinyl Chloride											
53.6 " 50.0 107 70-130 4.00 30											
Surrogate: SURR: 1,2-Dichloroethane-d4											
48.0 " 50.0 95.9 70-130											
Surrogate: SURR: Toluene-d8											
47.7 " 50.0 95.4 70-130											
Surrogate: SURR: p-Bromofluorobenzene											
46.6 " 50.0 93.2 70-130											



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD RPD	RPD Limit	RPD Flag
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Batch BJ30007 - EPA 3546- SVOA RCP

Blank (BJ30007-BLK1)	Blank	Prepared: 10/01/2023 Analyzed: 10/02/2023									
1,2,4,5-Tetrachlorobenzene	ND	250	ug/kg wet								
1,2,4-Trichlorobenzene	ND	250	"								
1-Methylnaphthalene	ND	250	"								
2,4,5-Trichlorophenol	ND	250	"								
2,4,6-Trichlorophenol	ND	250	"								
2,4-Dichlorophenol	ND	250	"								
2,4-Dimethylphenol	ND	250	"								
2,4-Dinitrophenol	ND	250	"								
2,4-Dinitrotoluene	ND	250	"								
2,6-Dinitrotoluene	ND	250	"								
2-Chloronaphthalene	ND	250	"								
2-Chlorophenol	ND	250	"								
2-Methylnaphthalene	ND	250	"								
2-Methylphenol	ND	250	"								
2-Nitroaniline	ND	250	"								
2-Nitrophenol	ND	250	"								
3- & 4-Methylphenols	ND	250	"								
3,3-Dichlorobenzidine	ND	250	"								
3-Nitroaniline	ND	250	"								
4,6-Dinitro-2-methylphenol	ND	250	"								
4-Bromophenyl phenyl ether	ND	250	"								
4-Chloro-3-methylphenol	ND	250	"								
4-Chloroaniline	ND	250	"								
4-Chlorophenyl phenyl ether	ND	250	"								
4-Nitroaniline	ND	250	"								
4-Nitrophenol	ND	250	"								
Acenaphthene	ND	250	"								
Acenaphthylene	ND	250	"								
Aniline	ND	250	"								
Anthracene	ND	250	"								
Benzo(a)anthracene	ND	250	"								
Benzo(a)pyrene	ND	250	"								
Benzo(b)fluoranthene	ND	250	"								
Benzo(g,h,i)perylene	ND	250	"								
Benzo(k)fluoranthene	ND	250	"								
Benzyl butyl phthalate	ND	250	"								
Bis(2-chloroethoxy)methane	ND	250	"								
Bis(2-chloroethyl)ether	ND	250	"								
Bis(2-chloroisopropyl)ether	ND	250	"								
Bis(2-ethylhexyl)phthalate	ND	250	"								
Carbazole	ND	250	"								
Chrysene	ND	250	"								
Dibenzo(a,h)anthracene	ND	250	"								
Dibenzofuran	ND	250	"								
Diethyl phthalate	ND	250	"								
Dimethyl phthalate	ND	250	"								
Di-n-butyl phthalate	ND	250	"								
Di-n-octyl phthalate	ND	250	"								
Fluoranthene	ND	250	"								
Fluorene	ND	250	"								
Hexachlorobenzene	ND	250	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BJ30007 - EPA 3546- SVOA RCP

Blank (BJ30007-BLK1)	Blank	Prepared: 10/01/2023 Analyzed: 10/02/2023						
Hexachlorobutadiene	ND	250	ug/kg wet					
Hexachlorocyclopentadiene	ND	500	"					
Hexachloroethane	ND	250	"					
Indeno(1,2,3-cd)pyrene	ND	250	"					
Isophorone	ND	250	"					
Naphthalene	ND	250	"					
Nitrobenzene	ND	250	"					
N-nitroso-di-n-propylamine	ND	250	"					
N-Nitrosodiphenylamine	ND	250	"					
Pentachloronitrobenzene	ND	250	"					
Pentachlorophenol	ND	250	"					
Phenanthrene	ND	250	"					
Phenol	ND	250	"					
Pyrene	ND	250	"					
Pyridine	ND	250	"					
<i>Surrogate: SURR: 2-Fluorophenol</i>	1360		"	2500	54.2	30-130		
<i>Surrogate: SURR: Phenol-d6</i>	1260		"	2500	50.4	30-130		
<i>Surrogate: SURR: Nitrobenzene-d5</i>	678		"	1250	54.3	30-130		
<i>Surrogate: SURR: 2-Fluorobiphenyl</i>	634		"	1250	50.8	30-130		
<i>Surrogate: SURR: 2,4,6-Tribromophenol</i>	1360		"	2500	54.4	30-130		
<i>Surrogate: SURR: Terphenyl-d14</i>	654		"	1250	52.3	30-130		

LCS (BJ30007-BS1)	LCS	Prepared: 10/01/2023 Analyzed: 10/02/2023						
1,2,4,5-Tetrachlorobenzene	651	250	ug/kg wet	2500	26.0	40-140	Low Bias	
1,2,4-Trichlorobenzene	692	250	"	1250	55.4	40-140		
1-Methylnaphthalene	638	250	"	1250	51.0	40-140		
2,4,5-Trichlorophenol	692	250	"	1250	55.3	30-130		
2,4,6-Trichlorophenol	682	250	"	1250	54.5	30-130		
2,4-Dichlorophenol	746	250	"	1250	59.7	30-130		
2,4-Dimethylphenol	651	250	"	1250	52.1	30-130		
2,4-Dinitrophenol	567	250	"	1250	45.4	30-130		
2,4-Dinitrotoluene	694	250	"	1250	55.5	40-140		
2,6-Dinitrotoluene	698	250	"	1250	55.8	40-140		
2-Chloronaphthalene	644	250	"	1250	51.6	40-140		
2-Chlorophenol	701	250	"	1250	56.1	30-130		
2-Methylnaphthalene	672	250	"	1250	53.8	40-140		
2-Methylphenol	591	250	"	1250	47.3	30-130		
2-Nitroaniline	671	250	"	1250	53.7	40-140		
2-Nitrophenol	715	250	"	1250	57.2	30-130		
3- & 4-Methylphenols	626	250	"	1250	50.1	40-140		
3,3-Dichlorobenzidine	620	250	"	2500	24.8	40-140	Low Bias	
3-Nitroaniline	607	250	"	1250	48.6	40-140		
4,6-Dinitro-2-methylphenol	739	250	"	1250	59.1	30-130		
4-Bromophenyl phenyl ether	672	250	"	1250	53.8	40-140		
4-Chloro-3-methylphenol	768	250	"	1250	61.4	30-130		
4-Chloroaniline	574	250	"	1250	45.9	40-140		
4-Chlorophenyl phenyl ether	638	250	"	1250	51.0	40-140		
4-Nitroaniline	692	250	"	1250	55.4	40-140		
4-Nitrophenol	686	250	"	1250	54.9	30-130		
Acenaphthene	651	250	"	1250	52.1	40-140		
Acenaphthylene	622	250	"	1250	49.8	40-140		



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD RPD	RPD Limit	RPD Flag
Batch BJ30007 - EPA 3546- SVOA RCP											
LCS (BJ30007-BS1)	LCS	Prepared: 10/01/2023 Analyzed: 10/02/2023									
Aniline	556	250	ug/kg wet	1250	44.5	40-140					
Anthracene	687	250	"	1250	55.0	40-140					
Benzo(a)anthracene	755	250	"	1250	60.4	40-140					
Benzo(a)pyrene	770	250	"	1250	61.6	40-140					
Benzo(b)fluoranthene	797	250	"	1250	63.8	40-140					
Benzo(g,h,i)perylene	812	250	"	1250	65.0	40-140					
Benzo(k)fluoranthene	788	250	"	1250	63.0	40-140					
Benzyl butyl phthalate	747	250	"	1250	59.8	40-140					
Bis(2-chloroethoxy)methane	674	250	"	1250	53.9	40-140					
Bis(2-chloroethyl)ether	638	250	"	1250	51.0	40-140					
Bis(2-chloroisopropyl)ether	642	250	"	1250	51.4	40-140					
Bis(2-ethylhexyl)phthalate	760	250	"	1250	60.8	40-140					
Carbazole	722	250	"	1250	57.7	40-140					
Chrysene	743	250	"	1250	59.4	40-140					
Dibenzo(a,h)anthracene	770	250	"	1250	61.6	40-140					
Dibenzofuran	649	250	"	1250	51.9	40-140					
Diethyl phthalate	666	250	"	1250	53.3	40-140					
Dimethyl phthalate	660	250	"	1250	52.8	40-140					
Di-n-butyl phthalate	731	250	"	1250	58.5	40-140					
Di-n-octyl phthalate	774	250	"	1250	62.0	40-140					
Fluoranthene	718	250	"	1250	57.4	40-140					
Fluorene	652	250	"	1250	52.2	40-140					
Hexachlorobenzene	679	250	"	1250	54.3	40-140					
Hexachlorobutadiene	690	250	"	1250	55.2	40-140					
Hexachlorocyclopentadiene	ND	500	"	1250		40-140	Low Bias				
Hexachloroethane	632	250	"	1250	50.6	40-140					
Indeno(1,2,3-cd)pyrene	798	250	"	1250	63.8	40-140					
Isophorone	686	250	"	1250	54.9	40-140					
Naphthalene	688	250	"	1250	55.0	40-140					
Nitrobenzene	684	250	"	1250	54.7	40-140					
N-nitroso-di-n-propylamine	640	250	"	1250	51.2	40-140					
N-Nitrosodiphenylamine	780	250	"	1250	62.4	40-140					
Pentachloronitrobenzene	708	250	"	2500	28.3	40-140	Low Bias				
Pentachlorophenol	926	250	"	1250	74.1	30-130					
Phenanthrene	692	250	"	1250	55.4	40-140					
Phenol	704	250	"	1250	56.4	30-130					
Pyrene	740	250	"	1250	59.2	40-140					
Pyridine	490	250	"	1250	39.2	40-140	Low Bias				
Surrogate: Surr: 2-Fluorophenol	1520		"	2500	60.8	30-130					
Surrogate: Surr: Phenol-d6	1460		"	2500	58.5	30-130					
Surrogate: Surr: Nitrobenzene-d5	727		"	1250	58.2	30-130					
Surrogate: Surr: 2-Fluorobiphenyl	687		"	1250	55.0	30-130					
Surrogate: Surr: 2,4,6-Tribromophenol	1590		"	2500	63.7	30-130					
Surrogate: Surr: Terphenyl-d14	778		"	1250	62.3	30-130					



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD RPD	RPD Limit	RPD Flag
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Batch BJ30007 - EPA 3546- SVOA RCP

Matrix Spike (BJ30007-MS1)	Matrix Spike	*Source sample: 23I1597-08 (OGS EST (5-6))						Prepared: 10/01/2023 Analyzed: 10/02/2023			
1,2,4,5-Tetrachlorobenzene	793	605	ug/kg dry	3020	ND	26.2	40-140	Low Bias			
1,2,4-Trichlorobenzene	847	605	"	1510	ND	56.0	40-140				
1-Methylnaphthalene	808	605	"	1510	ND	53.4	40-140				
2,4,5-Trichlorophenol	854	605	"	1510	ND	56.5	30-130				
2,4,6-Trichlorophenol	847	605	"	1510	ND	56.0	30-130				
2,4-Dichlorophenol	929	605	"	1510	ND	61.4	30-130				
2,4-Dimethylphenol	808	605	"	1510	ND	53.4	30-130				
2,4-Dinitrophenol	776	605	"	1510	ND	51.4	30-130				
2,4-Dinitrotoluene	828	605	"	1510	ND	54.8	40-140				
2,6-Dinitrotoluene	839	605	"	1510	ND	55.5	40-140				
2-Chloronaphthalene	797	605	"	1510	ND	52.7	40-140				
2-Chlorophenol	870	605	"	1510	ND	57.5	30-130				
2-Methylnaphthalene	853	605	"	1510	ND	56.4	40-140				
2-Methylphenol	744	605	"	1510	ND	49.2	30-130				
2-Nitroaniline	843	605	"	1510	ND	55.8	40-140				
2-Nitrophenol	893	605	"	1510	ND	59.0	30-130				
3- & 4-Methylphenols	790	605	"	1510	ND	52.2	40-140				
3,3-Dichlorobenzidine	721	605	"	3020	ND	23.8	40-140	Low Bias			
3-Nitroaniline	734	605	"	1510	ND	48.6	40-140				
4,6-Dinitro-2-methylphenol	819	605	"	1510	ND	54.2	30-130				
4-Bromophenyl phenyl ether	819	605	"	1510	ND	54.2	40-140				
4-Chloro-3-methylphenol	934	605	"	1510	ND	61.8	30-130				
4-Chloroaniline	760	605	"	1510	ND	50.2	40-140				
4-Chlorophenyl phenyl ether	809	605	"	1510	ND	53.5	40-140				
4-Nitroaniline	796	605	"	1510	ND	52.6	40-140				
4-Nitrophenol	813	605	"	1510	ND	53.8	30-130				
Acenaphthene	813	605	"	1510	ND	53.8	40-140				
Acenaphthylene	770	605	"	1510	ND	51.0	40-140				
Aniline	714	605	"	1510	ND	47.2	40-140				
Anthracene	830	605	"	1510	ND	54.9	40-140				
Benzo(a)anthracene	899	605	"	1510	ND	59.4	40-140				
Benzo(a)pyrene	890	605	"	1510	ND	58.9	40-140				
Benzo(b)fluoranthene	896	605	"	1510	ND	59.3	40-140				
Benzo(g,h,i)perylene	928	605	"	1510	ND	61.4	40-140				
Benzo(k)fluoranthene	945	605	"	1510	ND	62.5	40-140				
Benzyl butyl phthalate	860	605	"	1510	ND	56.9	40-140				
Bis(2-chloroethoxy)methane	837	605	"	1510	ND	55.4	40-140				
Bis(2-chloroethyl)ether	796	605	"	1510	ND	52.6	40-140				
Bis(2-chloroisopropyl)ether	830	605	"	1510	ND	54.9	40-140				
Bis(2-ethylhexyl)phthalate	888	605	"	1510	ND	58.7	40-140				
Carbazole	843	605	"	1510	ND	55.8	40-140				
Chrysene	879	605	"	1510	ND	58.2	40-140				
Dibenzo(a,h)anthracene	901	605	"	1510	ND	59.6	40-140				
Dibenzofuran	810	605	"	1510	ND	53.6	40-140				
Diethyl phthalate	820	605	"	1510	ND	54.2	40-140				
Dimethyl phthalate	818	605	"	1510	ND	54.1	40-140				
Di-n-butyl phthalate	856	605	"	1510	ND	56.6	40-140				
Di-n-octyl phthalate	900	605	"	1510	ND	59.5	40-140				
Fluoranthene	856	605	"	1510	ND	56.6	40-140				
Fluorene	808	605	"	1510	ND	53.4	40-140				
Hexachlorobenzene	853	605	"	1510	ND	56.4	40-140				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BJ30007 - EPA 3546- SVOA RCP

Matrix Spike (BJ30007-MS1)	Matrix Spike	*Source sample: 23I1597-08 (OGS_EST (5-6))						Prepared: 10/01/2023 Analyzed: 10/02/2023			
Hexachlorobutadiene	838	605	ug/kg dry	1510	ND	55.4	40-140				
Hexachlorocyclopentadiene	ND	1210	"	1510	ND		40-140	Low Bias			
Hexachloroethane	774	605	"	1510	ND	51.2	40-140				
Indeno(1,2,3-cd)pyrene	907	605	"	1510	ND	60.0	40-140				
Isophorone	849	605	"	1510	ND	56.2	40-140				
Naphthalene	848	605	"	1510	ND	56.1	40-140				
Nitrobenzene	820	605	"	1510	ND	54.2	40-140				
N-nitroso-di-n-propylamine	812	605	"	1510	ND	53.7	40-140				
N-Nitrosodiphenylamine	954	605	"	1510	ND	63.1	40-140				
Pentachloronitrobenzene	843	605	"	3020	ND	27.9	40-140	Low Bias			
Pentachlorophenol	1090	605	"	1510	ND	72.2	30-130				
Phenanthrene	841	605	"	1510	ND	55.6	40-140				
Phenol	883	605	"	1510	ND	58.4	30-130				
Pyrene	868	605	"	1510	ND	57.4	40-140				
Pyridine	578	605	"	1510	ND	38.2	40-140	Low Bias			
<i>Surrogate: SURR: 2-Fluorophenol</i>	1890		"	3020		62.5	30-130				
<i>Surrogate: SURR: Phenol-d6</i>	1890		"	3020		62.5	30-130				
<i>Surrogate: SURR: Nitrobenzene-d5</i>	911		"	1510		60.2	30-130				
<i>Surrogate: SURR: 2-Fluorobiphenyl</i>	865		"	1510		57.2	30-130				
<i>Surrogate: SURR: 2,4,6-Tribromophenol</i>	1950		"	3020		64.5	30-130				
<i>Surrogate: SURR: Terphenyl-d14</i>	940		"	1510		62.2	30-130				

Matrix Spike Dup (BJ30007-M)	Matrix Spike Dup	*Source sample: 23I1597-08 (OGS_EST (5-6))						Prepared: 10/01/2023 Analyzed: 10/02/2023			
1,2,4,5-Tetrachlorobenzene	724	605	ug/kg dry	3020	ND	24.0	40-140	Low Bias	9.08	30	
1,2,4-Trichlorobenzene	746	605	"	1510	ND	49.4	40-140		12.6	30	
1-Methylnaphthalene	722	605	"	1510	ND	47.8	40-140		11.2	30	
2,4,5-Trichlorophenol	774	605	"	1510	ND	51.2	30-130		9.81	30	
2,4,6-Trichlorophenol	755	605	"	1510	ND	49.9	30-130		11.5	30	
2,4-Dichlorophenol	822	605	"	1510	ND	54.4	30-130		12.2	30	
2,4-Dimethylphenol	704	605	"	1510	ND	46.6	30-130		13.8	30	
2,4-Dinitrophenol	ND	605	"	1510	ND		30-130	Low Bias		30	
2,4-Dinitrotoluene	734	605	"	1510	ND	48.6	40-140		12.1	30	
2,6-Dinitrotoluene	770	605	"	1510	ND	51.0	40-140		8.56	30	
2-Chloronaphthalene	716	605	"	1510	ND	47.4	40-140		10.7	30	
2-Chlorophenol	769	605	"	1510	ND	50.9	30-130		12.3	30	
2-Methylnaphthalene	783	605	"	1510	ND	51.8	40-140		8.58	30	
2-Methylphenol	658	605	"	1510	ND	43.5	30-130		12.3	30	
2-Nitroaniline	738	605	"	1510	ND	48.8	40-140		13.3	30	
2-Nitrophenol	785	605	"	1510	ND	51.9	30-130		12.8	30	
3- & 4-Methylphenols	703	605	"	1510	ND	46.5	40-140		11.7	30	
3,3-Dichlorobenzidine	594	605	"	3020	ND	19.6	40-140	Low Bias	19.3	30	
3-Nitroaniline	653	605	"	1510	ND	43.2	40-140		11.7	30	
4,6-Dinitro-2-methylphenol	654	605	"	1510	ND	43.3	30-130		22.3	30	
4-Bromophenyl phenyl ether	726	605	"	1510	ND	48.0	40-140		12.1	30	
4-Chloro-3-methylphenol	862	605	"	1510	ND	57.0	30-130		7.95	30	
4-Chloroaniline	677	605	"	1510	ND	44.8	40-140		11.4	30	
4-Chlorophenyl phenyl ether	726	605	"	1510	ND	48.0	40-140		10.9	30	
4-Nitroaniline	710	605	"	1510	ND	47.0	40-140		11.4	30	
4-Nitrophenol	701	605	"	1510	ND	46.4	30-130		14.7	30	
Acenaphthene	751	605	"	1510	ND	49.7	40-140		7.89	30	
Acenaphthylene	695	605	"	1510	ND	46.0	40-140		10.2	30	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ30007 - EPA 3546- SVOA RCP											
Matrix Spike Dup (BJ30007-N Matrix Spike Dup) Source sample: 23I1597-08 (OGS EST (5-6))											
Prepared: 10/01/2023 Analyzed: 10/02/2023											
Aniline	622	605	ug/kg dry	1510	ND	41.1	40-140		13.8	30	
Anthracene	732	605	"	1510	ND	48.4	40-140		12.5	30	
Benzo(a)anthracene	750	605	"	1510	ND	49.6	40-140		18.0	30	
Benzo(a)pyrene	746	605	"	1510	ND	49.4	40-140		17.6	30	
Benzo(b)fluoranthene	745	605	"	1510	ND	49.3	40-140		18.4	30	
Benzo(g,h,i)perylene	772	605	"	1510	ND	51.0	40-140		18.4	30	
Benzo(k)fluoranthene	779	605	"	1510	ND	51.5	40-140		19.2	30	
Benzyl butyl phthalate	737	605	"	1510	ND	48.7	40-140		15.5	30	
Bis(2-chloroethoxy)methane	763	605	"	1510	ND	50.5	40-140		9.22	30	
Bis(2-chloroethyl)ether	709	605	"	1510	ND	46.9	40-140		11.6	30	
Bis(2-chloroisopropyl)ether	722	605	"	1510	ND	47.8	40-140		13.9	30	
Bis(2-ethylhexyl)phthalate	750	605	"	1510	ND	49.6	40-140		16.8	30	
Carbazole	729	605	"	1510	ND	48.2	40-140		14.5	30	
Chrysene	745	605	"	1510	ND	49.3	40-140		16.5	30	
Dibenzo(a,h)anthracene	741	605	"	1510	ND	49.0	40-140		19.4	30	
Dibenzofuran	726	605	"	1510	ND	48.0	40-140		11.0	30	
Diethyl phthalate	735	605	"	1510	ND	48.6	40-140		10.9	30	
Dimethyl phthalate	727	605	"	1510	ND	48.1	40-140		11.7	30	
Di-n-butyl phthalate	733	605	"	1510	ND	48.5	40-140		15.5	30	
Di-n-octyl phthalate	746	605	"	1510	ND	49.4	40-140		18.7	30	
Fluoranthene	733	605	"	1510	ND	48.5	40-140		15.5	30	
Fluorene	735	605	"	1510	ND	48.6	40-140		9.40	30	
Hexachlorobenzene	752	605	"	1510	ND	49.8	40-140		12.5	30	
Hexachlorobutadiene	732	605	"	1510	ND	48.4	40-140		13.6	30	
Hexachlorocyclopentadiene	ND	1210	"	1510	ND		40-140	Low Bias		30	
Hexachloroethane	689	605	"	1510	ND	45.6	40-140		11.6	30	
Indeno(1,2,3-cd)pyrene	753	605	"	1510	ND	49.8	40-140		18.5	30	
Isophorone	740	605	"	1510	ND	49.0	40-140		13.7	30	
Naphthalene	775	605	"	1510	ND	51.3	40-140		8.94	30	
Nitrobenzene	766	605	"	1510	ND	50.6	40-140		6.86	30	
N-nitroso-di-n-propylamine	731	605	"	1510	ND	48.3	40-140		10.5	30	
N-Nitrosodiphenylamine	857	605	"	1510	ND	56.7	40-140		10.7	30	
Pentachloronitrobenzene	756	605	"	3020	ND	25.0	40-140	Low Bias	10.9	30	
Pentachlorophenol	847	605	"	1510	ND	56.0	30-130		25.2	30	
Phenanthrene	738	605	"	1510	ND	48.8	40-140		13.0	30	
Phenol	797	605	"	1510	ND	52.7	30-130		10.2	30	
Pyrene	740	605	"	1510	ND	49.0	40-140		15.9	30	
Pyridine	504	605	"	1510	ND	33.4	40-140	Low Bias	13.6	30	
Surrogate: SURR: 2-Fluorophenol	1610		"	3020		53.3	30-130				
Surrogate: SURR: Phenol-d6	1630		"	3020		54.0	30-130				
Surrogate: SURR: Nitrobenzene-d5	804		"	1510		53.2	30-130				
Surrogate: SURR: 2-Fluorobiphenyl	744		"	1510		49.2	30-130				
Surrogate: SURR: 2,4,6-Tribromophenol	1640		"	3020		54.2	30-130				
Surrogate: SURR: Terphenyl-d14	773		"	1510		51.1	30-130				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD RPD	RPD Limit	RPD Flag
Batch BI31777 - EPA 3545A											
Blank (BI31777-BLK1)	Blank										
4,4'-DDD	ND	0.00246	mg/kg wet								
4,4'-DDE	ND	0.00246	"								
4,4'-DDT	ND	0.00246	"								
Alachlor	ND	0.00246	"								
Aldrin	ND	0.00246	"								
alpha-BHC	ND	0.00246	"								
beta-BHC	ND	0.00246	"								
Chlordane, total	ND	0.0328	"								
delta-BHC	ND	0.00246	"								
Dieldrin	ND	0.00246	"								
Endosulfan I	ND	0.00246	"								
Endosulfan II	ND	0.00246	"								
Endosulfan sulfate	ND	0.00246	"								
Endrin	ND	0.00246	"								
Endrin aldehyde	ND	0.00246	"								
Endrin ketone	ND	0.00246	"								
gamma-BHC (Lindane)	ND	0.00246	"								
Heptachlor	ND	0.00246	"								
Heptachlor epoxide	ND	0.00246	"								
Methoxychlor	ND	0.0123	"								
Toxaphene	ND	0.124	"								
<i>Surrogate: Decachlorobiphenyl</i>	0.116		"	0.0995		117	30-150				
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0781		"	0.0995		78.4	30-150				
LCS (BI31777-BS1)	LCS										
4,4'-DDD	0.0473	0.00246	mg/kg wet	0.0498		95.0	40-140				
4,4'-DDE	0.0473	0.00246	"	0.0498		95.0	40-140				
4,4'-DDT	0.0477	0.00246	"	0.0498		95.9	40-140				
Alachlor	0.0614	0.00246	"	0.0498		123	40-140				
Aldrin	0.0404	0.00246	"	0.0498		81.2	40-140				
alpha-BHC	0.0445	0.00246	"	0.0498		89.4	40-140				
beta-BHC	0.0517	0.00246	"	0.0498		104	40-140				
delta-BHC	0.0451	0.00246	"	0.0498		90.7	40-140				
Dieldrin	0.0441	0.00246	"	0.0498		88.6	40-140				
Endosulfan I	0.0461	0.00246	"	0.0498		92.7	40-140				
Endosulfan II	0.0479	0.00246	"	0.0498		96.3	40-140				
Endosulfan sulfate	0.0484	0.00246	"	0.0498		97.2	40-140				
Endrin	0.0457	0.00246	"	0.0498		91.9	40-140				
Endrin aldehyde	0.0507	0.00246	"	0.0498		102	40-140				
Endrin ketone	0.0481	0.00246	"	0.0498		96.6	40-140				
gamma-BHC (Lindane)	0.0453	0.00246	"	0.0498		91.2	40-140				
Heptachlor	0.0440	0.00246	"	0.0498		88.5	40-140				
Heptachlor epoxide	0.0464	0.00246	"	0.0498		93.3	40-140				
Methoxychlor	0.0528	0.0123	"	0.0498		106	40-140				
<i>Surrogate: Decachlorobiphenyl</i>	0.118		"	0.0995		118	30-150				
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0827		"	0.0995		83.1	30-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI31777 - EPA 3545A

Matrix Spike (BI31777-MS1)	Matrix Spike	*Source sample: 23I1604-01 (Matrix Spike)						Prepared: 09/28/2023 Analyzed: 09/29/2023		
4,4'-DDD	0.0474	0.00267	mg/kg dry	0.0540	ND	87.8	30-150			
4,4'-DDE	0.0442	0.00267	"	0.0540	ND	81.9	30-150			
4,4'-DDT	0.0469	0.00267	"	0.0540	ND	86.9	30-150			
Alachlor	0.0562	0.00267	"	0.0540	ND	104	30-150			
Aldrin	0.0425	0.00267	"	0.0540	ND	78.8	30-150			
alpha-BHC	0.0468	0.00267	"	0.0540	ND	86.7	30-150			
beta-BHC	0.0494	0.00267	"	0.0540	ND	91.6	30-150			
delta-BHC	0.0446	0.00267	"	0.0540	ND	82.6	30-150			
Dieldrin	0.0451	0.00267	"	0.0540	ND	83.5	30-150			
Endosulfan I	0.0464	0.00267	"	0.0540	ND	86.0	30-150			
Endosulfan II	0.0481	0.00267	"	0.0540	ND	89.2	30-150			
Endosulfan sulfate	0.0541	0.00267	"	0.0540	ND	100	30-150			
Endrin	0.0465	0.00267	"	0.0540	ND	86.1	30-150			
Endrin aldehyde	0.0483	0.00267	"	0.0540	ND	89.4	30-150			
Endrin ketone	0.0520	0.00267	"	0.0540	ND	96.4	30-150			
gamma-BHC (Lindane)	0.0450	0.00267	"	0.0540	ND	83.4	30-150			
Heptachlor	0.0453	0.00267	"	0.0540	ND	83.9	30-150			
Heptachlor epoxide	0.0470	0.00267	"	0.0540	ND	87.1	30-150			
Methoxychlor	0.0689	0.0134	"	0.0540	ND	128	30-150			
<i>Surrogate: Decachlorobiphenyl</i>	0.0973		"	0.108		90.2	30-150			
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0875		"	0.108		81.1	30-150			

Matrix Spike Dup (BI31777-N)	Matrix Spike Dup	Source sample: 23I1604-01 (Matrix Spike Dup)						Prepared: 09/28/2023 Analyzed: 09/29/2023		
4,4'-DDD	0.0550	0.00267	mg/kg dry	0.0540	ND	102	30-150		14.9	30
4,4'-DDE	0.0528	0.00267	"	0.0540	ND	97.7	30-150		17.7	30
4,4'-DDT	0.0566	0.00267	"	0.0540	ND	105	30-150		18.7	30
Alachlor	0.0756	0.00267	"	0.0540	ND	140	30-150		29.5	30
Aldrin	0.0526	0.00267	"	0.0540	ND	97.5	30-150		21.3	30
alpha-BHC	0.0630	0.00267	"	0.0540	ND	117	30-150		29.5	30
beta-BHC	0.0682	0.00267	"	0.0540	ND	126	30-150		31.9	30
delta-BHC	0.0555	0.00267	"	0.0540	ND	103	30-150		21.7	30
Dieldrin	0.0538	0.00267	"	0.0540	ND	99.6	30-150		17.6	30
Endosulfan I	0.0554	0.00267	"	0.0540	ND	103	30-150		17.7	30
Endosulfan II	0.0567	0.00267	"	0.0540	ND	105	30-150		16.3	30
Endosulfan sulfate	0.0702	0.00267	"	0.0540	ND	130	30-150		25.9	30
Endrin	0.0548	0.00267	"	0.0540	ND	102	30-150		16.4	30
Endrin aldehyde	0.0577	0.00267	"	0.0540	ND	107	30-150		17.7	30
Endrin ketone	0.0634	0.00267	"	0.0540	ND	117	30-150		19.7	30
gamma-BHC (Lindane)	0.0578	0.00267	"	0.0540	ND	107	30-150		24.8	30
Heptachlor	0.0566	0.00267	"	0.0540	ND	105	30-150		22.2	30
Heptachlor epoxide	0.0565	0.00267	"	0.0540	ND	105	30-150		18.4	30
Methoxychlor	0.0858	0.0134	"	0.0540	ND	159	30-150	High Bias	21.9	30
<i>Surrogate: Decachlorobiphenyl</i>	0.153		"	0.108		142	30-150			
<i>Surrogate: Tetrachloro-m-xylene</i>	0.110		"	0.108		102	30-150			



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD RPD	RPD Limit	RPD Flag
Batch BJ30886 - EPA 3510C/1311											
Blank (BJ30886-BLK1) Blank Prepared: 10/13/2023 Analyzed: 10/15/2023											
Chlordane, total ND 0.000200 mg/L											
Endrin ND 0.0000400 "											
gamma-BHC (Lindane) ND 0.0000400 "											
Heptachlor ND 0.0000400 "											
Heptachlor epoxide ND 0.0000400 "											
Methoxychlor ND 0.0000400 "											
Toxaphene ND 0.00100 "											
Surrogate: Decachlorobiphenyl 0.00114 " 0.00200 57.2 30-120											
Surrogate: Tetrachloro-m-xylene 0.00138 " 0.00200 68.9 30-120											
LCS (BJ30886-BS1) LCS Prepared: 10/13/2023 Analyzed: 10/15/2023											
Endrin 0.000718 0.0000400 mg/L 0.00100 71.8 40-120											
gamma-BHC (Lindane) 0.000671 0.0000400 " 0.00100 67.1 40-120											
Heptachlor 0.000656 0.0000400 " 0.00100 65.6 40-120											
Heptachlor epoxide 0.000694 0.0000400 " 0.00100 69.4 40-120											
Methoxychlor 0.000738 0.0000400 " 0.00100 73.8 40-120											
Surrogate: Decachlorobiphenyl 0.000756 " 0.00200 37.8 30-120											
Surrogate: Tetrachloro-m-xylene 0.00125 " 0.00200 62.6 30-120											
LCS Dup (BJ30886-BSD1) LCS Dup Prepared: 10/13/2023 Analyzed: 10/15/2023											
Endrin 0.000778 0.0000400 mg/L 0.00100 77.8 40-120 8.10 30											
gamma-BHC (Lindane) 0.000758 0.0000400 " 0.00100 75.8 40-120 12.2 30											
Heptachlor 0.000724 0.0000400 " 0.00100 72.4 40-120 9.86 30											
Heptachlor epoxide 0.000762 0.0000400 " 0.00100 76.2 40-120 9.38 30											
Methoxychlor 0.000795 0.0000400 " 0.00100 79.5 40-120 7.37 30											
Surrogate: Decachlorobiphenyl 0.000357 " 0.00200 17.8 30-120											
Surrogate: Tetrachloro-m-xylene 0.00126 " 0.00200 63.2 30-120											



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD RPD	RPD Limit	RPD Flag
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Batch BJ30886 - EPA 3510C/1311

Leach Fluid Blank (BJ30886-I) Leach Fluid Blank							Prepared: 10/13/2023 Analyzed: 10/15/2023			
Chlordane, total	ND	0.000222	mg/L							
Endrin	ND	0.0000444	"							
gamma-BHC (Lindane)	ND	0.0000444	"							
Heptachlor	ND	0.0000444	"							
Heptachlor epoxide	ND	0.0000444	"							
Methoxychlor	ND	0.0000444	"							
Toxaphene	ND	0.00111	"							
<i>Surrogate: Decachlorobiphenyl</i>	0.00201		"	0.00222		90.7	30-120			
<i>Surrogate: Tetrachloro-m-xylene</i>	0.00156		"	0.00222		70.0	30-120			
Matrix Spike (BJ30886-MS1)	Matrix Spike	*Source sample: 23J0656-20 (Matrix Spike)					Prepared: 10/13/2023 Analyzed: 10/16/2023			
Endrin	0.000842	0.0000444	mg/L	0.00111	ND	75.8	30-150			
gamma-BHC (Lindane)	0.000801	0.0000444	"	0.00111	ND	72.1	30-150			
Heptachlor	0.000838	0.0000444	"	0.00111	ND	75.5	30-150			
Heptachlor epoxide	0.000830	0.0000444	"	0.00111	ND	74.7	30-150			
Methoxychlor [2C]	0.000844	0.0000444	"	0.00111	ND	75.9	30-150			
<i>Surrogate: Decachlorobiphenyl</i>	0.00153		"	0.00222		68.8	30-120			
<i>Surrogate: Tetrachloro-m-xylene</i>	0.00147		"	0.00222		66.0	30-120			



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI31777 - EPA 3545A

Blank (BI31777-BLK2)	Blank	Prepared: 09/28/2023 Analyzed: 09/29/2023								
Aroclor 1016	ND	0.0249	mg/kg wet							
Aroclor 1221	ND	0.0249	"							
Aroclor 1232	ND	0.0249	"							
Aroclor 1242	ND	0.0249	"							
Aroclor 1248	ND	0.0249	"							
Aroclor 1254	ND	0.0249	"							
Aroclor 1260	ND	0.0249	"							
Aroclor 1262	ND	0.0249	"							
Aroclor 1268	ND	0.0249	"							
Total PCBs	ND	0.0249	"							
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0791	"	0.0995		79.5	30-150				
<i>Surrogate: Decachlorobiphenyl</i>	0.0542	"	0.0995		54.5	30-150				
LCS (BI31777-BS2)	LCS	Prepared: 09/28/2023 Analyzed: 09/29/2023								
Aroclor 1016	0.358	0.0249	mg/kg wet	0.498	71.9	40-140				
Aroclor 1260	0.430	0.0249	"	0.498	86.4	40-140				
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0701	"	0.0995		70.5	30-150				
<i>Surrogate: Decachlorobiphenyl</i>	0.0483	"	0.0995		48.5	30-150				
Matrix Spike (BI31777-MS2)	Matrix Spike	*Source sample: 23I1604-01 (Matrix Spike)								
Aroclor 1016	0.379	0.0270	mg/kg dry	0.540	ND	70.1	40-140			
Aroclor 1260	0.486	0.0270	"	0.540	ND	90.0	40-140			
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0750	"	0.108		69.5	30-150				
<i>Surrogate: Decachlorobiphenyl</i>	0.0599	"	0.108		55.5	30-150				
Matrix Spike Dup (BI31777-N)	Matrix Spike Dup	*Source sample: 23I1604-01 (Matrix Spike Dup)								
Aroclor 1016	0.422	0.0270	mg/kg dry	0.540	ND	78.2	40-140		10.8	50
Aroclor 1260	0.495	0.0270	"	0.540	ND	91.7	40-140		1.83	50
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0853	"	0.108		79.0	30-150				
<i>Surrogate: Decachlorobiphenyl</i>	0.0572	"	0.108		53.0	30-150				



Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD RPD	RPD Limit	RPD Flag
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Batch BJ30024 - EPA 3550C/8151A

Blank (BJ30024-BLK1)	Blank	Prepared: 10/02/2023 Analyzed: 10/03/2023									
2,4,5-T	ND	0.0199	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0199	"								
2,4-D	ND	0.0199	"								
Dalapon	ND	0.0199	"								
Dicamba	ND	0.0199	"								
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	<i>0.385</i>		"	<i>0.415</i>		<i>92.8</i>		<i>21-150</i>			
LCS (BJ30024-BS1)	LCS	Prepared: 10/02/2023 Analyzed: 10/03/2023									
2,4,5-T	0.0806	0.0199	mg/kg wet	0.133		60.6	10-120				
2,4,5-TP (Silvex)	0.119	0.0199	"	0.133		89.4	10-120				
2,4-D	0.0939	0.0199	"	0.133		70.6	10-118				
Dalapon	0.110	0.0199	"	0.133		82.5	10-128				
Dicamba	0.0905	0.0199	"	0.133		68.1	12-117				
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	<i>0.394</i>		"	<i>0.415</i>		<i>94.8</i>		<i>21-150</i>			

Matrix Spike (BJ30024-MS1)	Matrix Spike	*Source sample: 23I1271-02 (Matrix Spike)								Prepared: 10/02/2023 Analyzed: 10/03/2023	
2,4,5-T	0.0948	0.0232	mg/kg dry	0.155	ND	61.2	10-120				
2,4,5-TP (Silvex)	0.107	0.0232	"	0.155	ND	69.4	10-120				
2,4-D	0.108	0.0232	"	0.155	ND	70.0	10-118				
Dalapon	0.125	0.0232	"	0.155	ND	80.6	10-150				
Dicamba	0.105	0.0232	"	0.155	ND	68.1	12-117				
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	<i>0.360</i>		"	<i>0.484</i>		<i>74.4</i>		<i>21-150</i>			

Matrix Spike Dup (BJ30024-M)	Matrix Spike Dup	*Source sample: 23I1271-02 (Matrix Spike Dup)								Prepared: 10/02/2023 Analyzed: 10/03/2023	
2,4,5-T	0.0764	0.0232	mg/kg dry	0.155	ND	49.4	10-120			21.5	35
2,4,5-TP (Silvex)	0.0890	0.0232	"	0.155	ND	57.5	10-120			18.7	35
2,4-D	0.0871	0.0232	"	0.155	ND	56.2	10-118			21.8	35
Dalapon	0.107	0.0232	"	0.155	ND	69.4	10-150			15.0	35
Dicamba	0.0832	0.0232	"	0.155	ND	53.8	12-117			23.6	35
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	<i>0.305</i>		"	<i>0.484</i>		<i>63.0</i>		<i>21-150</i>			



Gas Chromatography/Flame Ionization Detector - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD RPD	RPD Limit	RPD Flag
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Batch BI31608 - EPA 5035A

Blank (BI31608-BLK1)	Blank	Prepared & Analyzed: 09/26/2023						
Total Petroleum Hydrocarbons-GRO	ND	80.0	mg/kg wet					
Surrogate: SURR: p-Bromofluorobenzene	175	ug/L	200		87.3	52-146		
Duplicate (BI31608-DUP1)	Duplicate	*Source sample: 23I1597-04 (OGS_EST (5-6))						
Total Petroleum Hydrocarbons-GRO	ND	103	mg/kg dry	ND				30
Surrogate: SURR: p-Bromofluorobenzene	171	ug/L	200		85.5	52-146		
Matrix Spike (BI31608-MS1)	Matrix Spike	*Source sample: 23I1597-04 (OGS_EST (5-6))						
Total Petroleum Hydrocarbons-GRO	7550	ug/L	8000	38.4	93.9	70-130		
Surrogate: SURR: p-Bromofluorobenzene	183	"	200		91.6	52-146		
Reference (BI31608-SRM1)	Reference	Prepared & Analyzed: 09/26/2023						
Total Petroleum Hydrocarbons-GRO	134	20.0	mg/kg wet	237	56.5	24.9-274		
Surrogate: SURR: p-Bromofluorobenzene	200	ug/L	200		100	52-146		

Batch BI31780 - EPA 3550C

Blank (BI31780-BLK1)	Blank	Prepared: 09/28/2023 Analyzed: 09/29/2023						
Total Petroleum Hydrocarbons-DRO	ND	9.90	mg/kg wet					
Surrogate: Triacontane	6.73	"	9.90		67.9	30-150		
LCS (BI31780-BS1)	LCS	Prepared: 09/28/2023 Analyzed: 09/29/2023						
Total Petroleum Hydrocarbons-DRO	129	9.90	mg/kg wet	170	75.9	40-140		
Surrogate: Triacontane	8.89	"	9.90		89.8	30-150		
Matrix Spike (BI31780-MS1)	Matrix Spike	*Source sample: 23I1618-01 (Matrix Spike)						
Total Petroleum Hydrocarbons-DRO	185	10.4	mg/kg dry	178	20.0	92.8	30-150	
Surrogate: Triacontane	10.5	"	10.4		102	30-150		



Gas Chromatography/Flame Ionization Detector - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD RPD	Limit	Flag
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Batch BI31780 - EPA 3550C

Matrix Spike Dup (BI31780-N)	Matrix Spike Dup	Source sample: 23I1618-01 (Matrix Spike Dup)				Prepared: 09/28/2023 Analyzed: 09/29/2023				
Total Petroleum Hydrocarbons-DRO	171	10.3	mg/kg dry	176	20.0	85.8	30-150		7.85	30
Surrogate: Triacontane	10.0	"		10.3		97.5	30-150			

Batch BJ30026 - EPA 3550C

Blank (BJ30026-BLK1)	Blank					Prepared: 10/02/2023 Analyzed: 10/03/2023				
Total Petroleum Hydrocarbons-DRO	ND	9.90	mg/kg wet							
Surrogate: Triacontane	4.79	"		9.90		48.4	30-150			
LCS (BJ30026-BS1) LCS										
Total Petroleum Hydrocarbons-DRO	110	9.90	mg/kg wet	170		64.4	40-140			
Surrogate: Triacontane	5.63	"		9.90		56.9	30-150			
Matrix Spike (BJ30026-MS1)	Matrix Spike	*Source sample: 23I1928-01 (Matrix Spike)				Prepared: 10/02/2023 Analyzed: 10/03/2023				
Total Petroleum Hydrocarbons-DRO	15400	23.1	mg/kg dry	199	7440	NR	30-150	High Bias		
Surrogate: Triacontane	17.2	"		11.5		149	30-150			
Matrix Spike Dup (BJ30026-N)	Matrix Spike Dup	Source sample: 23I1928-01 (Matrix Spike Dup)				Prepared: 10/02/2023 Analyzed: 10/03/2023				
Total Petroleum Hydrocarbons-DRO	11200	12.2	mg/kg dry	210	7440	NR	30-150	High Bias	31.8	30
Surrogate: Triacontane	10.5	"		12.2		86.0	30-150	Non-dir.		

**Metals by ICP - Quality Control Data****York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD RPD	RPD Limit	RPD Flag
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Batch BI31862 - EPA 3050B

Blank (BI31862-BLK1)	Blank	Prepared: 09/28/2023 Analyzed: 10/03/2023					
Antimony	ND	1.74	mg/kg wet				
Arsenic	ND	1.04	"				
Barium	ND	1.73	"				
Beryllium	ND	0.035	"				
Cadmium	ND	0.208	"				
Chromium	ND	0.348	"				
Copper	ND	1.39	"				
Lead	ND	0.348	"				
Nickel	ND	0.692	"				
Selenium	ND	1.74	"				
Silver	ND	0.350	"				
Thallium	ND	1.74	"				
Vanadium	ND	0.692	"				
Zinc	ND	1.73	"				

Duplicate (BI31862-DUP1)	Duplicate	*Source sample: 23I1597-07 (OGS_EST (4-5))				Prepared: 09/28/2023 Analyzed: 10/02/2023		
Antimony	4.79	2.12	mg/kg dry		4.68		2.28	35
Arsenic	8.31	1.27	"		9.08		8.84	35
Barium	146	2.11	"		175		17.8	35
Beryllium	0.124	0.043	"		0.338		92.4	35
Cadmium	ND	0.254	"		ND			35
Chromium	36.5	0.423	"		30.9		16.8	35
Copper	14.1	1.69	"		14.0		0.773	35
Lead	23.8	0.423	"		23.3		2.12	35
Nickel	21.0	0.843	"		20.2		4.12	35
Selenium	ND	2.12	"		ND			35
Silver	ND	0.426	"		ND			35
Thallium	ND	2.12	"		ND			35
Vanadium	31.0	0.843	"		36.4		16.2	35
Zinc	41.6	2.11	"		42.9		2.96	35



Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD RPD	RPD Limit	RPD Flag
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Batch BI31862 - EPA 3050B

Matrix Spike (BI31862-MS1)	Matrix Spike	*Source sample: 23I1597-07 (OGS_EST (4-5))						Prepared: 09/28/2023 Analyzed: 10/02/2023			
Antimony	10.7	2.12	mg/kg dry	25.4	4.68	23.8	75-125	Low Bias			
Arsenic	210	1.27	"	203	9.08	98.8	75-125				
Barium	406	2.11	"	203	175	114	75-125				
Beryllium	5.98	0.043	"	5.08	0.338	111	75-125				
Cadmium	5.37	0.254	"	5.08	ND	106	75-125				
Chromium	49.8	0.423	"	20.3	30.9	93.1	75-125				
Copper	41.3	1.69	"	25.4	14.0	108	75-125				
Lead	78.5	0.423	"	50.8	23.3	109	75-125				
Nickel	75.2	0.843	"	50.8	20.2	108	75-125				
Selenium	147	2.12	"	203	ND	72.5	75-125	Low Bias			
Silver	0.775	0.426	"	5.08	ND	15.3	75-125	Low Bias			
Thallium	192	2.12	"	203	ND	94.3	75-125				
Vanadium	87.8	0.843	"	50.8	36.4	101	75-125				
Zinc	98.2	2.11	"	50.8	42.9	109	75-125				

Post Spike (BI31862-PS1)	Post Spike	*Source sample: 23I1597-07 (OGS_EST (4-5))						Prepared: 09/28/2023 Analyzed: 10/02/2023			
Antimony	0.276		ug/mL	0.250	0.046	92.0	75-125				
Arsenic	2.12		"	2.00	0.089	102	75-125				
Barium	3.83		"	2.00	1.72	105	75-125				
Beryllium	0.054		"	0.0500	0.003	102	75-125				
Cadmium	0.053		"	0.0500	-0.0003	105	75-125				
Chromium	0.495		"	0.200	0.304	95.7	75-125				
Copper	0.411		"	0.250	0.138	109	75-125				
Lead	0.743		"	0.500	0.229	103	75-125				
Nickel	0.744		"	0.500	0.199	109	75-125				
Selenium	1.50		"	2.00	-0.224	75.1	75-125				
Silver	0.001		"	0.0500	-0.050	2.38	75-125	Low Bias			
Thallium	1.83		"	2.00	0.008	91.3	75-125				
Vanadium	0.868		"	0.500	0.359	102	75-125				
Zinc	0.979		"	0.500	0.422	111	75-125				



Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI31862 - EPA 3050B

Reference (BI31862-SRM1)	Reference	Prepared: 09/28/2023 Analyzed: 10/02/2023								
Antimony	51.9	1.74	mg/kg wet	270	19.2	10-132.6				
Arsenic	182	1.04	"	218	83.5	57.8-110.1				
Barium	370	1.73	"	388	95.4	68.3-113.9				
Beryllium	147	0.035	"	165	89.2	69.1-115.8				
Cadmium	105	0.208	"	118	89.4	67-111.9				
Chromium	230	0.348	"	255	90.2	63.5-118.4				
Copper	135	1.39	"	135	99.7	69-114.8				
Lead	159	0.348	"	155	103	67.7-119.4				
Nickel	127	0.692	"	120	106	63.2-117.5				
Selenium	71.6	1.74	"	107	66.9	58.3-121.5				
Silver	45.2	0.350	"	51.0	88.6	64.7-120.8				
Thallium	157	1.74	"	188	83.5	64.9-117.6				
Vanadium	120	0.692	"	133	90.1	61.6-115.8				
Zinc	387	1.73	"	406	95.2	63.8-118.2				

Batch BI31956 - EPA 3050B

Blank (BI31956-BLK1)	Blank	Prepared: 09/29/2023 Analyzed: 10/03/2023							
Antimony	ND	1.74	mg/kg wet						
Arsenic	ND	1.04	"						
Barium	ND	1.73	"						
Beryllium	0.055	0.035	"						
Cadmium	ND	0.208	"						
Chromium	ND	0.348	"						
Copper	ND	1.39	"						
Lead	ND	0.348	"						
Nickel	ND	0.692	"						
Selenium	ND	1.74	"						
Silver	ND	0.350	"						
Thallium	ND	1.74	"						
Vanadium	ND	0.692	"						
Zinc	ND	1.73	"						



Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI31956 - EPA 3050B

Duplicate (BI31956-DUP1)	Duplicate	*Source sample: 23I1999-02 (Duplicate)					Prepared: 09/29/2023 Analyzed: 10/03/2023			
Antimony		3.08	2.83	mg/kg dry		3.12			1.38	35
Arsenic		7.58	1.70	"		6.90			9.43	35
Barium		46.0	2.83	"		45.5			1.16	35
Beryllium		ND	0.057	"		ND				35
Cadmium		ND	0.340	"		ND				35
Chromium		19.6	0.567	"		19.0			3.43	35
Copper		48.0	2.27	"		38.8			21.0	35
Lead		69.3	0.567	"		66.0			4.89	35
Nickel		17.6	1.13	"		15.7			11.2	35
Selenium		ND	2.83	"		ND				35
Silver		ND	0.571	"		ND				35
Thallium		ND	2.83	"		ND				35
Vanadium		33.7	1.13	"		25.6			27.6	35
Zinc		188	2.82	"		145			25.8	35

Matrix Spike (BI31956-MS1)	Matrix Spike	*Source sample: 23I1999-02 (Matrix Spike)					Prepared: 09/29/2023 Analyzed: 10/03/2023			
Antimony		12.4	2.83	mg/kg dry	34.0	3.12	27.4	75-125	Low Bias	
Arsenic		253	1.70	"	272	6.90	90.4	75-125		
Barium		315	2.83	"	272	45.5	98.9	75-125		
Beryllium		6.56	0.057	"	6.80	ND	96.5	75-125		
Cadmium		6.97	0.340	"	6.80	ND	103	75-125		
Chromium		41.2	0.567	"	27.2	19.0	81.6	75-125		
Copper		67.0	2.27	"	34.0	38.8	82.9	75-125		
Lead		114	0.567	"	68.0	66.0	70.1	75-125	Low Bias	
Nickel		81.1	1.13	"	68.0	15.7	96.2	75-125		
Selenium		203	2.83	"	272	ND	74.7	75-125	Low Bias	
Silver		3.66	0.571	"	6.80	ND	53.8	75-125	Low Bias	
Thallium		256	2.83	"	272	ND	94.3	75-125		
Vanadium		86.9	1.13	"	68.0	25.6	90.2	75-125		
Zinc		175	2.82	"	68.0	145	44.4	75-125	Low Bias	



Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD RPD	RPD Limit	Flag
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Batch BI31956 - EPA 3050B

Post Spike (BI31956-PS1)	Post Spike	*Source sample: 23I1999-02 (Post Spike)						Prepared: 09/29/2023 Analyzed: 10/03/2023			
Antimony	0.239		ug/mL	0.250	0.023	86.6	75-125				
Arsenic	1.92	"		2.00	0.051	93.5	75-125				
Barium	2.43	"		2.00	0.335	105	75-125				
Beryllium	0.050	"		0.0500	-0.001	99.6	75-125				
Cadmium	0.053	"		0.0500	0.002	102	75-125				
Chromium	0.338	"		0.200	0.139	99.3	75-125				
Copper	0.564	"		0.250	0.286	112	75-125				
Lead	0.988	"		0.500	0.485	101	75-125				
Nickel	0.635	"		0.500	0.115	104	75-125				
Selenium	1.53	"		2.00	-0.100	76.6	75-125				
Silver	0.016	"		0.0500	-0.026	32.1	75-125	Low Bias			
Thallium	1.95	"		2.00	0.010	97.2	75-125				
Vanadium	0.697	"		0.500	0.188	102	75-125				
Zinc	1.54	"		0.500	1.07	95.0	75-125				

Reference (BI31956-SRM1)	Reference							Prepared: 09/29/2023 Analyzed: 10/03/2023			
Antimony	68.2	1.74	mg/kg wet	270		25.3	10-132.6				
Arsenic	194	1.04	"	218		89.1	57.8-110.1				
Barium	395	1.73	"	388		102	68.3-113.9				
Beryllium	155	0.035	"	165		93.8	69.1-115.8				
Cadmium	112	0.208	"	118		94.9	67-111.9				
Chromium	250	0.348	"	255		98.0	63.5-118.4				
Copper	144	1.39	"	135		107	69-114.8				
Lead	158	0.348	"	155		102	67.7-119.4				
Nickel	135	0.692	"	120		113	63.2-117.5				
Selenium	81.1	1.74	"	107		75.8	58.3-121.5				
Silver	47.7	0.350	"	51.0		93.5	64.7-120.8				
Thallium	156	1.74	"	188		82.8	64.9-117.6				
Vanadium	129	0.692	"	133		96.7	61.6-115.8				
Zinc	401	1.73	"	406		98.9	63.8-118.2				

**Metals by ICP - Quality Control Data****York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD RPD	RPD Limit	RPD Flag
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Batch BJ31029 - EPA 3015A/1311

Blank (BJ31029-BLK1)	Blank	Prepared & Analyzed: 10/16/2023								
Arsenic	ND	0.017	mg/L							
Barium	ND	0.028	"							
Cadmium	ND	0.003	"							
Chromium	ND	0.006	"							
Lead	ND	0.006	"							
Selenium	ND	0.028	"							
Silver	ND	0.006	"							

LCS (BJ31029-BS1)	LCS	Prepared & Analyzed: 10/16/2023							
Arsenic	2.12	ug/mL	2.00	106	80-120				
Barium	2.28	"	2.00	114	80-120				
Cadmium	0.053	"	0.0500	107	80-120				
Chromium	0.227	"	0.200	114	80-120				
Lead	0.548	"	0.500	110	80-120				
Selenium	2.09	"	2.00	105	80-120				
Silver	0.055	"	0.0500	110	80-120				

Duplicate (BJ31029-DUP1)	Duplicate	Prepared & Analyzed: 10/16/2023							
Arsenic	ND	0.375	mg/L	ND					20
Barium	ND	0.625	"	ND					20
Cadmium	ND	0.075	"	ND					20
Chromium	ND	0.125	"	ND					20
Lead	0.252	0.125	"	0.274				8.30	20
Selenium	ND	0.625	"	ND					20
Silver	ND	0.125	"	ND					20

Leach Fluid Blank (BJ31029-I)	Leach Fluid Blank	Prepared & Analyzed: 10/16/2023							
Arsenic	ND	0.375	mg/L						
Barium	ND	0.625	"						
Cadmium	ND	0.075	"						
Chromium	ND	0.125	"						
Lead	ND	0.125	"						
Selenium	ND	0.625	"						
Silver	ND	0.125	"						



Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD RPD	RPD Limit	Flag
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Batch BJ31029 - EPA 3015A/1311

Matrix Spike (BJ31029-MS1)	Matrix Spike	*Source sample: 23I1807-04 (Matrix Spike)						Prepared & Analyzed: 10/16/2023			
Arsenic	54.0	0.375	mg/L	50.0	ND	108	75-125				
Barium	57.3	0.625	"	50.0	ND	115	75-125				
Cadmium	1.34	0.075	"	1.25	ND	107	75-125				
Chromium	5.70	0.125	"	5.00	ND	114	75-125				
Lead	13.7	0.125	"	12.5	0.274	108	75-125				
Selenium	53.6	0.625	"	50.0	ND	107	75-125				
Silver	1.38	0.125	"	1.25	ND	110	75-125				
Post Spike (BJ31029-PS1)	Post Spike	*Source sample: 23I1807-04 (Post Spike)						Prepared & Analyzed: 10/16/2023			
Arsenic	2.18		ug/mL	2.00	-0.005	109	75-125				
Barium	2.29		"	2.00	0.016	113	75-125				
Cadmium	0.054		"	0.0500	0.0003	108	75-125				
Chromium	0.227		"	0.200	0.003	112	75-125				
Lead	0.553		"	0.500	0.011	108	75-125				
Selenium	2.16		"	2.00	-0.014	108	75-125				
Silver	0.036		"	0.0500	0.002	67.8	75-125	Low Bias			



Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD RPD	RPD Limit	RPD Flag
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Batch BI31970 - EPA 7473 soil

Blank (BI31970-BLK1)	Blank								Prepared & Analyzed: 09/30/2023		
Mercury		ND	0.0300	mg/kg wet							
Duplicate (BI31970-DUP1)	Duplicate	*Source sample: 23I1605-01 (Duplicate)							Prepared & Analyzed: 09/30/2023		
Mercury		0.105	0.0353	mg/kg dry		0.134				24.0	35
Matrix Spike (BI31970-MS1)	Matrix Spike	*Source sample: 23I1605-01 (Matrix Spike)							Prepared & Analyzed: 09/30/2023		
Mercury		0.666		mg/kg	0.500	0.114	110	75-125			
Reference (BI31970-SRM1)	Reference								Prepared & Analyzed: 09/30/2023		
Mercury		22.250		mg/kg	18.2		122	59.9-140.1			

Batch BJ30727 - EPA SW846-7470A

Blank (BJ30727-BLK1)	Blank								Prepared & Analyzed: 10/11/2023		
Mercury		ND	0.000200	mg/L							
Blank (BJ30727-BLK2)	Blank								Prepared & Analyzed: 10/11/2023		
Mercury		ND	0.000200	mg/L							
LCS (BJ30727-BS1)	LCS								Prepared & Analyzed: 10/11/2023		
Mercury		0.00215	0.000200	mg/L	0.00200		108	80-120			
LCS (BJ30727-BS2)	LCS								Prepared & Analyzed: 10/11/2023		
Mercury		0.00197	0.000200	mg/L	0.00200		98.4	80-120			
Leach Fluid Blank (BJ30727-I)	Leach Fluid Blank								Prepared & Analyzed: 10/11/2023		
Mercury		0.0000513	0.000200	mg/L							



Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD RPD	RPD Limit	RPD Flag
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Batch BI31584 - Analysis Preparation

Blank (BI31584-BLK1)	Blank								Prepared & Analyzed: 09/26/2023		
Conductivity		ND	1.000	umhos/cm							
LCS (BI31584-BS1)	LCS								Prepared & Analyzed: 09/26/2023		
Conductivity		101.9		umhos/cm	100		102	90-110			
Duplicate (BI31584-DUP1)	Duplicate	*Source sample: 23I1597-08 (OGS_EST (5-6))							Prepared & Analyzed: 09/26/2023		
Conductivity		46.14	1.000	umhos/cm		46.11				0.0650	5

Batch BI31682 - Analysis Preparation

Duplicate (BI31682-DUP1)	Duplicate	*Source sample: 23I1601-05 (Duplicate)							Prepared & Analyzed: 09/27/2023		
pH		8.23	0.500	pH units		8.22				0.122	10
Temperature		23.2	1.00	°C		22.9				1.30	200

Batch BI31729 - EPA SW846-3060

Blank (BI31729-BLK1)	Blank								Prepared & Analyzed: 09/27/2023		
Chromium, Hexavalent		ND	0.500	mg/kg wet							
Duplicate (BI31729-DUP1)	Duplicate	*Source sample: 23I1559-01 (Duplicate)							Prepared & Analyzed: 09/27/2023		
Chromium, Hexavalent		ND	0.539	mg/kg dry		ND					35
Matrix Spike (BI31729-MS1)	Matrix Spike	*Source sample: 23I1559-01 (Matrix Spike)							Prepared & Analyzed: 09/27/2023		
Chromium, Hexavalent		18.3	0.539	mg/kg dry	21.6	ND	84.6	75-125			
Matrix Spike Dup (BI31729-M)	Matrix Spike Dup	*Source sample: 23I1559-01 (Matrix Spike Dup)							Prepared & Analyzed: 09/27/2023		
Chromium, Hexavalent		18.0	0.539	mg/kg dry	21.6	ND	83.2	75-125		1.67	200



Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD RPD	RPD Limit	RPD Flag
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Batch BI31729 - EPA SW846-3060

Reference (BI31729-SRM1)	Reference	Prepared & Analyzed: 09/27/2023					
Chromium, Hexavalent	271		mg/L	227	119	42.3-157.7	

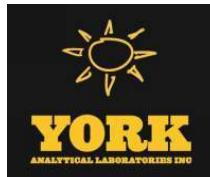
Batch BI31836 - Analysis Preparation

Blank (BI31836-BLK1)	Blank	Prepared & Analyzed: 09/28/2023					
Reactivity - Cyanide	ND	0.250	mg/kg				

Batch BI31838 - Analysis Preparation

Blank (BI31838-BLK1)	Blank	Prepared & Analyzed: 09/28/2023					
Reactivity - Sulfide	ND	15.0	mg/kg				

Duplicate (BI31838-DUP1)	Duplicate	*Source sample: 23I1605-01 (Duplicate)	Prepared & Analyzed: 09/28/2023					
Reactivity - Sulfide	64.0	15.0	mg/kg	72.0		11.8	50	



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD RPD	RPD Limit	RPD Flag
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Batch BJ30021 - % Solids Prep

Duplicate (BJ30021-DUP1)	Duplicate	*Source sample: 23I1634-01 (Duplicate)					Prepared & Analyzed: 10/02/2023				
% Solids		80.1	0.100	%		80.2			0.147	20	



Leachate Preparations - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC %REC	%REC Limits	Flag	RPD RPD	RPD Limit	RPD Flag
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Batch BJ30619 - EPA SW 846-1311 TCLP ext. for metals

Blank (BJ30619-BLK1)	TCLP LEACH BLANK	Prepared: 10/10/2023 Analyzed: 10/11/2023					
TCLP Extraction	Completed	1.00	N/A				

Batch BJ30622 - EPA SW 846-1311 TCLP extr. for SVOA/PEST/HERBS

Blank (BJ30622-BLK1)	TCLP LEACH BLANK	Prepared: 10/10/2023 Analyzed: 10/11/2023					
TCLP Extraction	Completed	1.00	N/A				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
23I1597-01	OGS_FILL (1-2)	40mL Vial with Stir Bar-Cool 4° C
23I1597-01	OGS_FILL (1-2)	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
23I1597-02	OGS_EST (3-4)	40mL Vial with Stir Bar-Cool 4° C
23I1597-02	OGS_EST (3-4)	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
23I1597-03	OGS_EST (4-5)	40mL Vial with Stir Bar-Cool 4° C
23I1597-03	OGS_EST (4-5)	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
23I1597-04	OGS_EST (5-6)	40mL Vial with Stir Bar-Cool 4° C
23I1597-04	OGS_EST (5-6)	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
23I1597-09	Trip Blanks	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

S-08	The recovery of this surrogate was outside of QC limits.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
PF-01	No Free Liquid
M-CCV1	The recovery for this element in the Continuing Calibration Verification (CCV) exceeded 110% of the expected value. Positive detections may be biased high.
IS-LO	The internal std associated with this target compound did not meet acceptance criteria (area <50% CCV) at the stated dilution due to matrix effects. Sample was rerun to confirm matrix effects.
IGN-01	Non-Ignit.
ICVE	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
HT-04	NON-COMPLIANT- Client requested analysis be conducted outside of holding times.
EXT-Temp	Extraction temperature slightly exceeded acceptance range.
EXT-COMP	Completed
CCVL	The value reported is estimated due to its behavior during continuing calibration verification (>20% difference for average RF or >20% drift for linear or quadratic fit.) This value may be biased low.
CCVE	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
CAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average RF>20%)
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence . This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis



Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

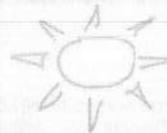
2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Revision Description: This report has been revised to include TCLP Pesticides and TCLP Metals for sample 01,02 and 03.



YORK
ANALYTICAL LABORATORIES INC.

Field Chain-of-Custody Record

YORK Project No.

28T1597
~~28T1597~~

ED

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

120 Research Drive Stratford, CT 06615 132-02 89th Ave Queens, NY 11418 56 Church Hill Rd. #2 Newtown, CT 06470 clientservices@yorklab.com www.yorklab.com 800-306-YORK

Page 1 of 1

YOUR Information		Report To:	Invoice To:	YOUR Project Number 140265801	Turn-Around Time
Company: Langan Engineering	Address: 555 Long Wharf Dr. New Haven, CT 06811	Company: Address: SAME	Company: Address: SAME		
Phone.: 203 780 1376	Phone.: Contact: William Adsit	Phone.: Contact: E-mail: wadsit@lanigan.com	Contact: E-mail:	YOUR Project Name Old Greenwich School	RUSH - Next Day RUSH - Two Day RUSH - Three Day RUSH - Four Day RUSH - Five Day Standard (6-9 Day) X PFAS Standard is 7-10 Days

Please print clearly and legibly. All information must be complete.
Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

William Adsit
Samples Collected by: (print AND sign your name)

Matrix Codes		Samples From	Report / EDD Type (circle selections)			YORK Reg. Comp.
S - soil / solid		New York	<input checked="" type="checkbox"/> Summary Report	CT RCP	EQS (Standard)	Compared to the following Regulation(s): (please fill in)
GW - groundwater		New Jersey	<input type="checkbox"/> QA Report	CT RCP DQA/DUE NYSDEC EQS		
DW - drinking water		Connecticut	<input checked="" type="checkbox"/> CMDP	NJDEP Reduced	NJDKQP	
WW - wastewater		Pennsylvania	<input checked="" type="checkbox"/> Standard Excel EDD	Deliverables	NJDEP SRP HazSite	
O - Oil	Other	Other:	<input type="checkbox"/> NY ASP B Package	Other:		

Sample Identification	Sample Matrix	Date/Time Sampled	Analyses Requested	Container Type	No.
OGS-FILL(1-2)	S	9/25/23 10:40	VOCs, TPH(GRO)	VOA set	1
OGS-EST(3-4)		10:45			
OGS-EST(4-5)		10:50			
OGS-EST(5-6)		10:55			
OGS-FILL(1-2)		11:45	SVOCs, pesticides, herbicides, PCBs, RCRA 8	8oz.	2
OGS-EST(3-4)		11:55	metals + Sb, Cu, Be, Cr III & VI, Ni, Ti,	2oz.	1
OGS-EST(4-5)		12:05	V and Zn, conductivity, ignitability, pH,		
OGS-EST(5-6)		12:15	Paint filter test, reactivity (cyanide + sulfide)		
Trip Blanks	Aq		VOCs	VOA set 4oz. 2	
OGS-TCLP	S	11:55	ON HOLD.	1x 8oz, 1x 2oz.	

Comments: Please cc: results to Dave Granucci & Hannah Griesbach; reporting limits must meet CTDEEP RSRS/APS.

Samples iced/chilled at time of lab pickup? circle Yes or No

Yes No

1. Samples Relinquished by / Company 	Date/Time 9/25/23 15:12	1. Samples Received by / Company 	Date/Time	2. Samples Relinquished by / Company	Date/Time
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by 	Date/Time 9/25/23 15:12
					Temperature 1.6 Degrees C

ATTACHMENT C

**ENVIRONMENTAL ANALYTICAL
LABORATORY REPORTS
(GROUNDWATER)**



Technical Report

prepared for:

Langan Engineering & Environmental Services (CT)
Long Wharf Maritime Center, 555 Long Wharf Drive
New Haven CT, 06511-6107
Attention: William Adsit

Report Date: 10/03/2023

Client Project ID: 140265801

York Project (SDG) No.: 23I1584



CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037

New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

Report Date: 10/03/2023
Client Project ID: 140265801
York Project (SDG) No.: 23I1584

Langan Engineering & Environmental Services (CT)
Long Wharf Maritime Center, 555 Long Wharf Drive
New Haven CT, 06511-6107
Attention: William Adsit

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on September 25, 2023 and listed below. The project was identified as your project: **140265801**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
23I1584-01	TMW01	Ground Water	09/25/2023	09/25/2023
23I1584-02	Trip Blank	Water	09/25/2023	09/25/2023

General Notes for York Project (SDG) No.: 23I1584

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By 

Date: 10/03/2023

Cassie L. Mosher
Laboratory Manager





Sample Information

Client Sample ID: TMW01

York Sample ID:

23I1584-01

York Project (SDG) No.

23I1584

Client Project ID

140265801

Matrix

Ground Water

Collection Date/Time

September 25, 2023 12:35 pm

Date Received

09/25/2023

Volatile Organics, 624 List- Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/27/2023 09:00	09/27/2023 15:00	SMA
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/27/2023 09:00	09/27/2023 15:00	SMA
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/27/2023 09:00	09/27/2023 15:00	SMA
75-34-3	1,1-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/27/2023 09:00	09/27/2023 15:00	SMA
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/27/2023 09:00	09/27/2023 15:00	SMA
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/27/2023 09:00	09/27/2023 15:00	SMA
107-06-2	1,2-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/27/2023 09:00	09/27/2023 15:00	SMA
78-87-5	1,2-Dichloropropane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/27/2023 09:00	09/27/2023 15:00	SMA
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/27/2023 09:00	09/27/2023 15:00	SMA
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/27/2023 09:00	09/27/2023 15:00	SMA
110-75-8	2-Chloroethylvinyl ether	ND		ug/L	20	1	EPA 624.1 Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	09/27/2023 09:00	09/27/2023 15:00	SMA
107-02-8	Acrolein	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/27/2023 09:00	09/27/2023 15:00	SMA
107-13-1	Acrylonitrile	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/27/2023 09:00	09/27/2023 15:00	SMA
71-43-2	Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/27/2023 09:00	09/27/2023 15:00	SMA
75-27-4	Bromodichloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/27/2023 09:00	09/27/2023 15:00	SMA
75-25-2	Bromoform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/27/2023 09:00	09/27/2023 15:00	SMA
74-83-9	Bromomethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/27/2023 09:00	09/27/2023 15:00	SMA
56-23-5	Carbon tetrachloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/27/2023 09:00	09/27/2023 15:00	SMA
108-90-7	Chlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/27/2023 09:00	09/27/2023 15:00	SMA
75-00-3	Chloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/27/2023 09:00	09/27/2023 15:00	SMA
67-66-3	Chloroform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/27/2023 09:00	09/27/2023 15:00	SMA



Sample Information

Client Sample ID: TMW01

York Sample ID: 23I1584-01

York Project (SDG) No.
23I1584

Client Project ID
140265801

Matrix
Ground Water

Collection Date/Time
September 25, 2023 12:35 pm

Date Received
09/25/2023

Volatile Organics, 624 List- Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/27/2023 09:00	09/27/2023 15:00	SMA
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/27/2023 09:00	09/27/2023 15:00	SMA
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/27/2023 09:00	09/27/2023 15:00	SMA
124-48-1	Dibromochloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/27/2023 09:00	09/27/2023 15:00	SMA
100-41-4	Ethyl Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/27/2023 09:00	09/27/2023 15:00	SMA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/27/2023 09:00	09/27/2023 15:00	SMA
75-09-2	Methylene chloride	ND		ug/L	2.0	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/27/2023 09:00	09/27/2023 15:00	SMA
127-18-4	Tetrachloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/27/2023 09:00	09/27/2023 15:00	SMA
108-88-3	Toluene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/27/2023 09:00	09/27/2023 15:00	SMA
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/27/2023 09:00	09/27/2023 15:00	SMA
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/27/2023 09:00	09/27/2023 15:00	SMA
79-01-6	Trichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/27/2023 09:00	09/27/2023 15:00	SMA
75-69-4	Trichlorofluoromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/27/2023 09:00	09/27/2023 15:00	SMA
75-01-4	Vinyl Chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/27/2023 09:00	09/27/2023 15:00	SMA
Surrogate Recoveries		Result	Acceptance Range							
17060-07-0	Surrogate: SURN: 1,2-Dichloroethane-d4	101 %	78-126							
2037-26-5	Surrogate: SURN: Toluene-d8	96.8 %	84-117							
460-00-4	Surrogate: SURN: p-Bromofluorobenzene	101 %	71-130							

Cadmium by EPA 200.8

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 200.8

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		M-CCV ug/L	0.500	1	EPA 200.8 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	09/28/2023 08:43	09/29/2023 14:01	cw

Copper by EPA 200.8

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: TMW01

York Sample ID: 23I1584-01

York Project (SDG) No.

23I1584

Client Project ID

140265801

Matrix

Ground Water

Collection Date/Time

September 25, 2023 12:35 pm

Date Received

09/25/2023

Sample Prepared by Method: EPA 200.8

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	136		ug/L	1.00	1	EPA 200.8	09/28/2023 08:43	09/29/2023 14:01	cw

Iron by EPA 200.8

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 200.8

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	279		ug/L	10.0	1	EPA 200.8	09/28/2023 08:43	09/29/2023 14:01	cw

Lead by EPA 200.8

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 200.8

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		ug/L	1.00	1	EPA 200.8	09/28/2023 08:43	09/29/2023 14:01	cw

Zinc by EPA 200.8

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 200.8

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	566		ug/L	1.00	1	EPA 200.8	09/28/2023 08:43	09/29/2023 14:01	cw

Mercury by EPA 245.1

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 245.1 Mercury

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002000	1	EPA 245.1	10/03/2023 08:44	10/03/2023 08:44	PA

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	0.252		mg/L	0.0500	1	EPA 300.0	09/26/2023 00:55	09/26/2023 00:55	VR

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND	HT-01R	mg/L	5.00	100	EPA 300.0	10/02/2023 11:39	10/02/2023 11:39	VR



Sample Information

Client Sample ID: TMW01

York Sample ID: 23I1584-01

York Project (SDG) No.
23I1584

Client Project ID
140265801

Matrix
Ground Water

Collection Date/Time
September 25, 2023 12:35 pm

Date Received
09/25/2023

pH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
pH		6.34	HT-pH	pH units	0.500	1	SM 4500 HB Certifications: CTDOH-PH-0723	09/29/2023 09:04	09/29/2023 14:27	JAMT

Phosphorous, total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Phosphorous, Total as P		1.9		mg/L	0.25	5	SM 4500-P B5/E Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	09/27/2023 09:23	09/28/2023 14:48	JAMT

Temperature

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Temperature		12.0	HT-pH	°C	1.00	1	EPA 170.1 Certifications:	09/29/2023 09:04	09/29/2023 14:27	JAMT

Total Kjeldahl Nitrogen

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Total Kjeldahl Nitrogen		1.30		mg/L	0.400	5	SM 4500-N Org D Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	09/29/2023 15:57	10/02/2023 17:18	NJO

Total Nitrogen

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Method Specific

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Total Nitrogen Calculated Analyte		1.56		mg/L	0.0500	100	Nitrogen Calc Certifications:	10/02/2023 11:39	10/02/2023 17:18	NJO

Total Petroleum Hydrocarbons

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Total Petroleum Hydrocarbons		ND		mg/L	0.488	1	EPA 1664A Certifications: NELAC-NY10854,NJDEP-CT005,CTDOH-PH-0723	09/26/2023 15:01	09/27/2023 17:10	ZTS

Total Settleable Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Total Settleable Solids		12.0		mL/L	0.100	1	SM 2540F-2015 Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	09/25/2023 23:46	09/25/2023 23:46	AA



Sample Information

Client Sample ID: TMW01

York Sample ID: 23I1584-01

York Project (SDG) No.

23I1584

Client Project ID

140265801

Matrix

Ground Water

Collection Date/Time

September 25, 2023 12:35 pm

Date Received

09/25/2023

Total Suspended Solids

Sample Prepared by Method: % Solids Prep

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Suspended Solids	1510		mg/L	40.0	1	SM 2540D-2015	09/26/2023 07:24	09/26/2023 14:56	sgs

Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044



Sample Information

Client Sample ID: Trip Blank

York Sample ID:

23I1584-02

York Project (SDG) No.

23I1584

Client Project ID

140265801

Matrix

Water

Collection Date/Time

September 25, 2023 12:00 am

Date Received

09/25/2023

Volatile Organics, 624 List- Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/26/2023 09:00	09/26/2023 11:31	SMA
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/26/2023 09:00	09/26/2023 11:31	SMA
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/26/2023 09:00	09/26/2023 11:31	SMA
75-34-3	1,1-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/26/2023 09:00	09/26/2023 11:31	SMA
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/26/2023 09:00	09/26/2023 11:31	SMA
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/26/2023 09:00	09/26/2023 11:31	SMA
107-06-2	1,2-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/26/2023 09:00	09/26/2023 11:31	SMA
78-87-5	1,2-Dichloropropane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/26/2023 09:00	09/26/2023 11:31	SMA
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/26/2023 09:00	09/26/2023 11:31	SMA
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/26/2023 09:00	09/26/2023 11:31	SMA
110-75-8	2-Chloroethylvinyl ether	ND	CCVE, QL-02	ug/L	20	1	EPA 624.1 Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	09/26/2023 09:00	09/26/2023 11:31	SMA
107-02-8	Acrolein	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/26/2023 09:00	09/26/2023 11:31	SMA
107-13-1	Acrylonitrile	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/26/2023 09:00	09/26/2023 11:31	SMA
71-43-2	Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/26/2023 09:00	09/26/2023 11:31	SMA
75-27-4	Bromodichloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/26/2023 09:00	09/26/2023 11:31	SMA
75-25-2	Bromoform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/26/2023 09:00	09/26/2023 11:31	SMA
74-83-9	Bromomethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/26/2023 09:00	09/26/2023 11:31	SMA
56-23-5	Carbon tetrachloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/26/2023 09:00	09/26/2023 11:31	SMA
108-90-7	Chlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/26/2023 09:00	09/26/2023 11:31	SMA
75-00-3	Chloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/26/2023 09:00	09/26/2023 11:31	SMA
67-66-3	Chloroform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/26/2023 09:00	09/26/2023 11:31	SMA



Sample Information

Client Sample ID: Trip Blank

York Sample ID:

23I1584-02

York Project (SDG) No.

23I1584

Client Project ID

140265801

Matrix

Water

Collection Date/Time

September 25, 2023 12:00 am

Date Received

09/25/2023

Volatile Organics, 624 List- Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/26/2023 09:00	09/26/2023 11:31	SMA
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/26/2023 09:00	09/26/2023 11:31	SMA
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/26/2023 09:00	09/26/2023 11:31	SMA
124-48-1	Dibromochloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/26/2023 09:00	09/26/2023 11:31	SMA
100-41-4	Ethyl Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/26/2023 09:00	09/26/2023 11:31	SMA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/26/2023 09:00	09/26/2023 11:31	SMA
75-09-2	Methylene chloride	ND		ug/L	2.0	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/26/2023 09:00	09/26/2023 11:31	SMA
127-18-4	Tetrachloroethylene	ND	CCVE, QL-02	ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/26/2023 09:00	09/26/2023 11:31	SMA
108-88-3	Toluene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/26/2023 09:00	09/26/2023 11:31	SMA
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/26/2023 09:00	09/26/2023 11:31	SMA
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/26/2023 09:00	09/26/2023 11:31	SMA
79-01-6	Trichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/26/2023 09:00	09/26/2023 11:31	SMA
75-69-4	Trichlorofluoromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/26/2023 09:00	09/26/2023 11:31	SMA
75-01-4	Vinyl Chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	09/26/2023 09:00	09/26/2023 11:31	SMA
Surrogate Recoveries		Result	Acceptance Range							
17060-07-0	Surrogate: SURL: 1,2-Dichloroethane-d4	108 %	78-126							
2037-26-5	Surrogate: SURL: Toluene-d8	92.5 %	84-117							
460-00-4	Surrogate: SURL: p-Bromofluorobenzene	90.7 %	71-130							



Analytical Batch Summary

Batch ID: BI31580

Preparation Method: Analysis Preparation

Prepared By: AA

YORK Sample ID

Client Sample ID

Preparation Date

23I1584-01

TMW01

09/25/23

BI31580-BLK1

Blank

09/25/23

Batch ID: BI31587

Preparation Method: % Solids Prep

Prepared By: sgs

YORK Sample ID

Client Sample ID

Preparation Date

23I1584-01

TMW01

09/26/23

BI31587-BLK1

Blank

09/26/23

BI31587-DUP1

Duplicate

09/26/23

BI31587-DUP2

Duplicate

09/26/23

Batch ID: BI31622

Preparation Method: EPA 5030B

Prepared By: SMA

YORK Sample ID

Client Sample ID

Preparation Date

23I1584-02

Trip Blank

09/26/23

BI31622-BLK1

Blank

09/26/23

BI31622-BS1

LCS

09/26/23

BI31622-BSD1

LCS Dup

09/26/23

Batch ID: BI31625

Preparation Method: EPA 300

Prepared By: VR

YORK Sample ID

Client Sample ID

Preparation Date

23I1584-01

TMW01

09/26/23

BI31625-BLK1

Blank

09/25/23

BI31625-BS1

LCS

09/25/23

BI31625-DUP1

Duplicate

09/25/23

BI31625-DUP2

Duplicate

09/25/23

BI31625-MS1

Matrix Spike

09/25/23

BI31625-MS2

Matrix Spike

09/25/23

BI31625-MSD1

Matrix Spike Dup

09/25/23

BI31625-MSD2

Matrix Spike Dup

09/26/23

Batch ID: BI31647

Preparation Method: Analysis Preparation

Prepared By: ZTS

YORK Sample ID

Client Sample ID

Preparation Date

23I1584-01

TMW01

09/26/23

BI31647-BLK1

Blank

09/26/23

BI31647-BS1

LCS

09/26/23

BI31647-DUP1

Duplicate

09/26/23

BI31647-MS1

Matrix Spike

09/26/23

**Batch ID:** BI31710**Preparation Method:**

EPA 5030B

Prepared By:

SMA

YORK Sample ID

Client Sample ID

Preparation Date

23I1584-01

TMW01

09/27/23

BI31710-BLK1

Blank

09/27/23

BI31710-BS1

LCS

09/27/23

BI31710-BSD1

LCS Dup

09/27/23

Batch ID: BI31712**Preparation Method:**

Analysis Preparation

Prepared By:

JAMT

YORK Sample ID

Client Sample ID

Preparation Date

23I1584-01

TMW01

09/27/23

BI31712-BLK1

Blank

09/27/23

BI31712-BS1

LCS

09/27/23

BI31712-DUP1

Duplicate

09/27/23

BI31712-MS1

Matrix Spike

09/27/23

BI31712-MSD1

Matrix Spike Dup

09/27/23

Batch ID: BI31787**Preparation Method:**

EPA 200.8

Prepared By:

AD2

YORK Sample ID

Client Sample ID

Preparation Date

23I1584-01

TMW01

09/28/23

BI31787-BLK1

Blank

09/28/23

BI31787-BS1

LCS

09/28/23

BI31787-DUP1

Duplicate

09/28/23

BI31787-MS1

Matrix Spike

09/28/23

BI31787-MS2

Matrix Spike

09/28/23

Batch ID: BI31900**Preparation Method:**

Analysis Preparation

Prepared By:

JAMT

YORK Sample ID

Client Sample ID

Preparation Date

23I1584-01

TMW01

09/29/23

BI31900-DUP1

Duplicate

09/29/23

Batch ID: BI31930**Preparation Method:**

Analysis Prep for SAA

Prepared By:

JAMT

YORK Sample ID

Client Sample ID

Preparation Date

23I1584-01

TMW01

09/29/23

BI31930-BLK1

Blank

09/29/23

BI31930-BS1

LCS

09/29/23

BI31930-DUP1

Duplicate

09/29/23

BI31930-MS1

Matrix Spike

09/29/23

Batch ID: BJ30062**Preparation Method:**

EPA 300

Prepared By:

VR

YORK Sample ID

Client Sample ID

Preparation Date

23I1584-01

TMW01

10/02/23

BJ30062-BLK1

Blank

10/02/23



BJ30062-BS1	LCS	10/02/23
BJ30062-BS2	LCS	10/02/23
BJ30062-DUP1	Duplicate	10/02/23
BJ30062-DUP2	Duplicate	10/02/23

Batch ID: BJ30134

Preparation Method: EPA 245.1 Mercury

Prepared By: PFA

YORK Sample ID	Client Sample ID	Preparation Date
23I1584-01	TMW01	10/03/23
BJ30134-BLK1	Blank	10/03/23
BJ30134-BLK2	Blank	10/03/23
BJ30134-BS1	LCS	10/03/23
BJ30134-BS2	LCS	10/03/23



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD RPD	RPD Limit	Flag
Batch BI31622 - EPA 5030B											
Prepared & Analyzed: 09/26/2023											
Blank (BI31622-BLK1)	Blank										
1,1,1-Trichloroethane	ND	0.50	ug/L								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2-Chloroethylvinyl ether	ND	20	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	10.4		"	10.0		104	78-126				
<i>Surrogate: SURR: Toluene-d8</i>	9.20		"	10.0		92.0	84-117				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	9.18		"	10.0		91.8	71-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI31622 - EPA 5030B											
Prepared & Analyzed: 09/26/2023											
LCS (BI31622-BS1) LCS											
1,1,1-Trichloroethane											
18											
1,1,2,2-Tetrachloroethane											
19											
1,1,2-Trichloroethane											
18											
1,1-Dichloroethane											
19											
1,1-Dichloroethylene											
18											
1,2-Dichlorobenzene											
18											
1,2-Dichloroethane											
19											
1,2-Dichloropropane											
18											
1,3-Dichlorobenzene											
18											
1,4-Dichlorobenzene											
18											
2-Chloroethylvinyl ether											
0.0											
ug/L											
20.0											
99.0											
78-136											
1,1,2,2-Tetrachloroethane											
18											
92.4											
76-129											
1,1,2-Trichloroethane											
19											
93.2											
82-123											
1,1-Dichloroethane											
18											
89.8											
82-129											
1,1-Dichloroethylene											
19											
94.6											
68-138											
1,2-Dichlorobenzene											
18											
90.8											
79-123											
1,2-Dichloroethane											
19											
97.3											
73-132											
1,2-Dichloropropane											
18											
91.8											
78-126											
1,3-Dichlorobenzene											
18											
91.0											
86-122											
1,4-Dichlorobenzene											
18											
89.7											
84-124											
2-Chloroethylvinyl ether											
0.0											
ug/L											
20.0											
99.0											
78-126											
Surrogate: Surr: 1,2-Dichloroethane-d4											
9.93											
Surrogate: Surr: Toluene-d8											
9.32											
Surrogate: Surr: p-Bromofluorobenzene											
9.40											
10.0											
94.0											
71-130											
Low Bias											



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI31622 - EPA 5030B											
LCS Dup (BI31622-BSD1) LCS Dup											
Prepared & Analyzed: 09/26/2023											
1,1,1-Trichloroethane	19		ug/L	20.0	97.0	78-136			2.04	30	
1,1,2,2-Tetrachloroethane	19		"	20.0	96.6	76-129			4.39	30	
1,1,2-Trichloroethane	19		"	20.0	95.0	82-123			1.86	30	
1,1-Dichloroethane	18		"	20.0	91.3	82-129			1.71	30	
1,1-Dichloroethylene	18		"	20.0	92.0	68-138			2.68	30	
1,2-Dichlorobenzene	18		"	20.0	91.7	79-123			0.986	30	
1,2-Dichloroethane	20		"	20.0	101	73-132			3.73	30	
1,2-Dichloropropane	19		"	20.0	94.4	78-126			2.79	30	
1,3-Dichlorobenzene	18		"	20.0	90.0	86-122			1.22	30	
1,4-Dichlorobenzene	18		"	20.0	89.4	84-124			0.279	30	
2-Chloroethylvinyl ether	0.0		"	20.0		10-201	Low Bias			30	
Acrolein	28		"	20.0	140	10-200			6.90	30	
Acrylonitrile	23		"	20.0	113	49-160			7.58	30	
Benzene	19		"	20.0	94.1	85-126			1.95	30	
Bromodichloromethane	19		"	20.0	94.6	79-128			1.81	30	
Bromoform	23		"	20.0	116	78-133			5.13	30	
Bromomethane	16		"	20.0	78.8	43-168			3.19	30	
Carbon tetrachloride	21		"	20.0	103	77-141			0.340	30	
Chlorobenzene	19		"	20.0	94.2	88-120			0.898	30	
Chloroethane	19		"	20.0	94.6	65-136			1.17	30	
Chloroform	19		"	20.0	95.8	82-128			0.728	30	
Chloromethane	18		"	20.0	91.6	43-155			1.30	30	
cis-1,2-Dichloroethylene	19		"	20.0	95.5	83-129			0.420	30	
cis-1,3-Dichloropropylene	19		"	20.0	92.8	79-131			0.162	30	
Dibromochloromethane	21		"	20.0	106	80-130			2.62	30	
Ethyl Benzene	18		"	20.0	87.5	80-131			1.47	30	
Methyl tert-butyl ether (MTBE)	22		"	20.0	111	76-135			5.58	30	
Methylene chloride	17		"	20.0	84.8	55-137			2.87	30	
Tetrachloroethylene	12		"	20.0	57.5	82-131	Low Bias		3.33	30	
Toluene	17		"	20.0	85.8	79-127			1.90	30	
trans-1,2-Dichloroethylene	19		"	20.0	93.3	80-132			0.694	30	
trans-1,3-Dichloropropylene	19		"	20.0	96.6	78-131			1.35	30	
Trichloroethylene	17		"	20.0	87.3	82-128			1.76	30	
Trichlorofluoromethane	19		"	20.0	97.0	67-139			1.33	30	
Vinyl Chloride	18		"	20.0	89.8	58-145			3.34	30	
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	10.1		"	10.0	101	78-126					
<i>Surrogate: SURR: Toluene-d8</i>	9.37		"	10.0	93.7	84-117					
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	9.38		"	10.0	93.8	71-130					



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	RPD Flag
Batch BI31710 - EPA 5030B											
Blank (BI31710-BLK1)	Blank	Prepared & Analyzed: 09/27/2023									
1,1,1-Trichloroethane	ND	0.50	ug/L								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2-Chloroethylvinyl ether	ND	20	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	9.90		"	10.0		99.0	78-126				
<i>Surrogate: SURR: Toluene-d8</i>	9.74		"	10.0		97.4	84-117				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	10.0		"	10.0		100	71-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI31710 - EPA 5030B											
Prepared & Analyzed: 09/27/2023											
LCS (BI31710-BS1)											
LCS											
1,1,1-Trichloroethane	21		ug/L	20.0		107	78-136				
1,1,2,2-Tetrachloroethane	22		"	20.0		108	76-129				
1,1,2-Trichloroethane	20		"	20.0		97.9	82-123				
1,1-Dichloroethane	20		"	20.0		98.0	82-129				
1,1-Dichloroethylene	21		"	20.0		106	68-138				
1,2-Dichlorobenzene	19		"	20.0		96.4	79-123				
1,2-Dichloroethane	20		"	20.0		101	73-132				
1,2-Dichloropropane	19		"	20.0		96.3	78-126				
1,3-Dichlorobenzene	19		"	20.0		95.3	86-122				
1,4-Dichlorobenzene	19		"	20.0		94.4	84-124				
2-Chloroethylvinyl ether	0.0		"	20.0			10-201	Low Bias			
Acrolein	25		"	20.0		125	10-200				
Acrylonitrile	22		"	20.0		108	49-160				
Benzene	21		"	20.0		104	85-126				
Bromodichloromethane	20		"	20.0		97.9	79-128				
Bromoform	19		"	20.0		92.7	78-133				
Bromomethane	14		"	20.0		69.3	43-168				
Carbon tetrachloride	22		"	20.0		110	77-141				
Chlorobenzene	21		"	20.0		103	88-120				
Chloroethane	21		"	20.0		106	65-136				
Chloroform	20		"	20.0		101	82-128				
Chloromethane	19		"	20.0		96.8	43-155				
cis-1,2-Dichloroethylene	20		"	20.0		102	83-129				
cis-1,3-Dichloropropylene	20		"	20.0		97.9	79-131				
Dibromochloromethane	18		"	20.0		90.1	80-130				
Ethyl Benzene	20		"	20.0		97.6	80-131				
Methyl tert-butyl ether (MTBE)	21		"	20.0		105	76-135				
Methylene chloride	19		"	20.0		96.0	55-137				
Tetrachloroethylene	11		"	20.0		54.2	82-131	Low Bias			
Toluene	19		"	20.0		97.3	79-127				
trans-1,2-Dichloroethylene	21		"	20.0		103	80-132				
trans-1,3-Dichloropropylene	20		"	20.0		99.5	78-131				
Trichloroethylene	18		"	20.0		92.5	82-128				
Trichlorofluoromethane	23		"	20.0		113	67-139				
Vinyl Chloride	21		"	20.0		105	58-145				
Surrogate: Surr: 1,2-Dichloroethane-d4	9.95		"	10.0		99.5	78-126				
Surrogate: Surr: Toluene-d8	9.70		"	10.0		97.0	84-117				
Surrogate: Surr: p-Bromofluorobenzene	9.58		"	10.0		95.8	71-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI31710 - EPA 5030B											
LCS Dup (BI31710-BSD1)	LCS Dup							Prepared & Analyzed: 09/27/2023			
1,1,1-Trichloroethane	20		ug/L	20.0		102	78-136		4.40	30	
1,1,2,2-Tetrachloroethane	22		"	20.0		110	76-129		1.51	30	
1,1,2-Trichloroethane	20		"	20.0		98.0	82-123		0.153	30	
1,1-Dichloroethane	19		"	20.0		95.6	82-129		2.53	30	
1,1-Dichloroethylene	20		"	20.0		101	68-138		5.09	30	
1,2-Dichlorobenzene	19		"	20.0		96.5	79-123		0.0518	30	
1,2-Dichloroethane	20		"	20.0		101	73-132		0.544	30	
1,2-Dichloropropane	19		"	20.0		95.4	78-126		0.991	30	
1,3-Dichlorobenzene	19		"	20.0		94.8	86-122		0.473	30	
1,4-Dichlorobenzene	19		"	20.0		94.2	84-124		0.212	30	
2-Chloroethylvinyl ether	0.0		"	20.0			10-201	Low Bias		30	
Acrolein	26		"	20.0		130	10-200		3.82	30	
Acrylonitrile	21		"	20.0		104	49-160		4.39	30	
Benzene	20		"	20.0		101	85-126		3.21	30	
Bromodichloromethane	19		"	20.0		96.5	79-128		1.44	30	
Bromoform	19		"	20.0		93.2	78-133		0.484	30	
Bromomethane	16		"	20.0		78.7	43-168		12.7	30	
Carbon tetrachloride	21		"	20.0		106	77-141		4.03	30	
Chlorobenzene	20		"	20.0		101	88-120		1.32	30	
Chloroethane	21		"	20.0		104	65-136		1.52	30	
Chloroform	20		"	20.0		99.4	82-128		1.89	30	
Chloromethane	18		"	20.0		91.8	43-155		5.30	30	
cis-1,2-Dichloroethylene	20		"	20.0		99.0	83-129		2.69	30	
cis-1,3-Dichloropropylene	19		"	20.0		97.0	79-131		0.872	30	
Dibromochloromethane	18		"	20.0		90.0	80-130		0.111	30	
Ethyl Benzene	19		"	20.0		96.0	80-131		1.60	30	
Methyl tert-butyl ether (MTBE)	21		"	20.0		106	76-135		0.475	30	
Methylene chloride	19		"	20.0		94.6	55-137		1.47	30	
Tetrachloroethylene	10		"	20.0		52.4	82-131	Low Bias	3.37	30	
Toluene	19		"	20.0		95.0	79-127		2.39	30	
trans-1,2-Dichloroethylene	20		"	20.0		98.3	80-132		4.67	30	
trans-1,3-Dichloropropylene	20		"	20.0		98.8	78-131		0.655	30	
Trichloroethylene	18		"	20.0		89.0	82-128		3.86	30	
Trichlorofluoromethane	22		"	20.0		108	67-139		4.11	30	
Vinyl Chloride	20		"	20.0		99.6	58-145		5.18	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	9.90		"	10.0		99.0	78-126				
Surrogate: SURR: Toluene-d8	9.67		"	10.0		96.7	84-117				
Surrogate: SURR: p-Bromofluorobenzene	9.61		"	10.0		96.1	71-130				



Metals by ICP/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI31787 - EPA 200.8

Blank (BI31787-BLK1)	Blank	Prepared: 09/28/2023 Analyzed: 09/29/2023								
Cadmium	ND	0.500	ug/L							
Copper	ND	1.00	"							
Iron	ND	10.0	"							
Lead	ND	1.00	"							
Zinc	ND	1.00	"							

LCS (BI31787-BS1)	LCS	Prepared: 09/28/2023 Analyzed: 09/29/2023								
Cadmium	57.3	ug/L	50.0	115	80-120					
Copper	50.3	"	50.0	101	80-120					
Iron	2650	"	2500	106	80-120					
Lead	53.6	"	50.0	107	80-120					
Zinc	64.9	"	50.0	130	90-110	High Bias				

Duplicate (BI31787-DUP1)	Duplicate	*Source sample: 23I1628-09 (Duplicate)	Prepared: 09/28/2023 Analyzed: 09/29/2023							
Cadmium	ND	0.500	ug/L	ND						20
Copper	127	1.00	"	128						0.310
Iron	330	10.0	"	272						19.2
Lead	0.702	1.00	"	0.671						4.57
Zinc	537	1.00	"	529						1.48

Matrix Spike (BI31787-MS1)	Matrix Spike	*Source sample: 23I1628-09 (Matrix Spike)	Prepared: 09/28/2023 Analyzed: 09/29/2023							
Cadmium	49.2	ug/L	50.0	0.060	98.3	75-125				
Copper	170	"	50.0	128	85.5	75-125				
Iron	2780	"	2500	272	100	75-125				
Lead	54.9	"	50.0	0.671	108	75-125				
Zinc	587	"	50.0	529	116	75-125				

Matrix Spike (BI31787-MS2)	Matrix Spike	*Source sample: 23I1142-01 (Matrix Spike)	Prepared: 09/28/2023 Analyzed: 09/29/2023							
Cadmium	53.8	ug/L	50.0	0.044	108	75-125				
Copper	55.5	"	50.0	8.34	94.4	75-125				
Iron	2610	"	2500	46.4	103	75-125				
Lead	55.1	"	50.0	0.192	110	75-125				
Zinc	80.1	"	50.0	24.6	111	75-125				



Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	RPD Flag
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Batch BJ30134 - EPA 245.1 Mercury

Blank (BJ30134-BLK1)	Blank										Prepared & Analyzed: 10/03/2023
Mercury		ND	0.0002000	mg/L							
Blank (BJ30134-BLK2)	Blank										Prepared & Analyzed: 10/03/2023
Mercury		ND	0.0002000	mg/L							
LCS (BJ30134-BS1)	LCS										Prepared & Analyzed: 10/03/2023
Mercury		0.002088	0.0002000	mg/L	0.00200		104	75-125			
LCS (BJ30134-BS2)	LCS										Prepared & Analyzed: 10/03/2023
Mercury		0.002119	0.0002000	mg/L	0.00200		106	75-125			



Anions by Ion Chromatography - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	RPD Flag
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Batch BI31625 - EPA 300

Blank (BI31625-BLK1)	Blank	Prepared & Analyzed: 09/25/2023								
Nitrate as N		ND	0.0500	mg/L						
LCS (BI31625-BS1)	LCS	Prepared & Analyzed: 09/25/2023								
Nitrate as N		9.62	0.0500	mg/L	10.0	96.2	90-110			
Duplicate (BI31625-DUP1)	Duplicate	*Source sample: 23I1569-01 (Duplicate)							Prepared & Analyzed: 09/25/2023	
Nitrate as N		0.0659	0.0500	mg/L	0.0641				2.77	15
Duplicate (BI31625-DUP2)	Duplicate	*Source sample: 23I1569-02 (Duplicate)							Prepared & Analyzed: 09/25/2023	
Nitrate as N		0.0420	0.0500	mg/L	0.0424				0.948	15
Matrix Spike (BI31625-MS1)	Matrix Spike	*Source sample: 23I1569-01 (Matrix Spike)							Prepared & Analyzed: 09/25/2023	
Nitrate as N		9.30	0.0500	mg/L	10.0	0.0641	92.4	90-110		
Matrix Spike (BI31625-MS2)	Matrix Spike	*Source sample: 23I1569-02 (Matrix Spike)							Prepared & Analyzed: 09/25/2023	
Nitrate as N		9.25	0.0500	mg/L	10.0	0.0424	92.1	90-110		
Matrix Spike Dup (BI31625-N)	Matrix Spike Dup	*Source sample: 23I1569-01 (Matrix Spike Dup)							Prepared & Analyzed: 09/25/2023	
Nitrate as N		9.29	0.0500	mg/L	10.0	0.0641	92.2	90-110	0.146	200
Matrix Spike Dup (BI31625-N)	Matrix Spike Dup	*Source sample: 23I1569-02 (Matrix Spike Dup)							Prepared & Analyzed: 09/26/2023	
Nitrate as N		9.08	0.0500	mg/L	10.0	0.0424	90.4	90-110	1.81	200

Batch BJ30062 - EPA 300

Blank (BJ30062-BLK1)	Blank	Prepared & Analyzed: 10/02/2023								
Nitrite as N		ND	0.0500	mg/L						



Anions by Ion Chromatography - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	RPD Flag
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Batch BJ30062 - EPA 300

LCS (BJ30062-BS1)	LCS								Prepared & Analyzed: 10/02/2023		
Nitrite as N		10.2	0.0500	mg/L	10.0		102	90-110			
LCS (BJ30062-BS2)	LCS								Prepared & Analyzed: 10/02/2023		
Nitrite as N		10.2	0.0500	mg/L	10.0		102	90-110			
Duplicate (BJ30062-DUP1)	Duplicate	*Source sample: 23I1394-07 (Duplicate)							Prepared & Analyzed: 10/02/2023		
Nitrite as N		ND	2.50	mg/L		ND				15	
Duplicate (BJ30062-DUP2)	Duplicate	*Source sample: 23I1508-01 (Duplicate)							Prepared & Analyzed: 10/02/2023		
Nitrite as N		ND	0.0500	mg/L		0.320				15	



Wet Chemistry Parameters - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	RPD Flag
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Batch BI31625 - [CALC]

Blank (BI31625-BLK1)	Blank	Prepared & Analyzed: 09/25/2023								
Total Nitrogen Calculated Analyte		ND	0.0500	mg/L						
LCS (BI31625-BS1)	LCS	Prepared & Analyzed: 09/25/2023								
Total Nitrogen Calculated Analyte		9.62	0.0500	mg/L						
Duplicate (BI31625-DUP1)	Duplicate	*Source sample: 23I1569-01 (Duplicate)						Prepared & Analyzed: 09/25/2023		
Total Nitrogen Calculated Analyte		0.0659	0.0500	mg/L						
Duplicate (BI31625-DUP2)	Duplicate	*Source sample: 23I1569-02 (Duplicate)						Prepared & Analyzed: 09/25/2023		
Total Nitrogen Calculated Analyte		ND	0.0500	mg/L						
Matrix Spike (BI31625-MS1)	Matrix Spike	*Source sample: 23I1569-01 (Matrix Spike)						Prepared & Analyzed: 09/25/2023		
Total Nitrogen Calculated Analyte		9.30	0.0500	mg/L						
Matrix Spike (BI31625-MS2)	Matrix Spike	*Source sample: 23I1569-02 (Matrix Spike)						Prepared & Analyzed: 09/25/2023		
Total Nitrogen Calculated Analyte		9.25	0.0500	mg/L						
Matrix Spike Dup (BI31625-N)	Matrix Spike Dup	*Source sample: 23I1569-01 (Matrix Spike Dup)						Prepared & Analyzed: 09/25/2023		
Total Nitrogen Calculated Analyte		9.29	0.0500	mg/L						
Matrix Spike Dup (BI31625-N)	Matrix Spike Dup	*Source sample: 23I1569-02 (Matrix Spike Dup)						Prepared & Analyzed: 09/26/2023		
Total Nitrogen Calculated Analyte		9.08	0.0500	mg/L						

Batch BI31647 - Analysis Preparation

Blank (BI31647-BLK1)	Blank	Prepared: 09/26/2023 Analyzed: 09/27/2023					
Total Petroleum Hydrocarbons		ND	0.500	mg/L			



Wet Chemistry Parameters - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	RPD Flag
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Batch BI31647 - Analysis Preparation

LCS (BI31647-BS1)	LCS										
Total Petroleum Hydrocarbons		4.60	0.500	mg/L	8.00		57.5	42-96			
Duplicate (BI31647-DUP1)	Duplicate	*Source sample: 23I1119-02 (Duplicate)									
Total Petroleum Hydrocarbons		ND	0.500	mg/L		0.588					200
Matrix Spike (BI31647-MS1)	Matrix Spike	*Source sample: 23I1119-03 (Matrix Spike)									
Total Petroleum Hydrocarbons		ND	0.500	mg/L	8.00	ND	42-96	Low Bias			

Batch BI31712 - Analysis Preparation

Blank (BI31712-BLK1)	Blank										
Phosphorous, Total as P		ND	0.050	mg/L							
LCS (BI31712-BS1)	LCS										
Phosphorous, Total as P		0.49	0.050	mg/L	0.500		98.2	80-120			
Duplicate (BI31712-DUP1)	Duplicate	*Source sample: 23I1451-01 (Duplicate)									
Phosphorous, Total as P		ND	0.050	mg/L		ND					20
Matrix Spike (BI31712-MS1)	Matrix Spike	*Source sample: 23I1451-01 (Matrix Spike)									
Phosphorous, Total as P		0.44	0.050	mg/L	1.00	ND	44.5	75-125	Low Bias		
Matrix Spike Dup (BI31712-M)	Matrix Spike Dup	*Source sample: 23I1451-01 (Matrix Spike Dup)									
Phosphorous, Total as P		0.44	0.050	mg/L	1.00	ND	44.5	75-125	Low Bias	0.00	200

Batch BI31900 - Analysis Preparation

Duplicate (BI31900-DUP1)	Duplicate	*Source sample: 23I1662-01 (Duplicate)									
Temperature		12.4	1.00	°C		13.2				6.25	200
pH		6.89	0.500	pH units		7.01				1.73	10



Wet Chemistry Parameters - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI31930 - [CALC]

Blank (BI31930-BLK1)	Blank	Prepared: 09/29/2023 Analyzed: 10/02/2023								
Total Nitrogen Calculated Analyte	ND	0.400	mg/L							
Total Kjeldahl Nitrogen	ND	0.400	"							
LCS (BI31930-BS1)	LCS	Prepared: 09/29/2023 Analyzed: 10/02/2023								
Total Nitrogen Calculated Analyte	5.05	mg/L								
Total Kjeldahl Nitrogen	5.05	"	5.00		101	70-130				
Duplicate (BI31930-DUP1)	Duplicate	*Source sample: 23I1508-02 (Duplicate)								Prepared: 09/29/2023 Analyzed: 10/02/2023
Total Nitrogen Calculated Analyte	1.38	0.400	mg/L							
Total Kjeldahl Nitrogen	1.38	0.400	"	5.00	1.30				5.59	20
Matrix Spike (BI31930-MS1)	Matrix Spike	*Source sample: 23I1508-02 (Matrix Spike)								Prepared: 09/29/2023 Analyzed: 10/02/2023
Total Nitrogen Calculated Analyte	6.15	0.400	mg/L							
Total Kjeldahl Nitrogen	6.15	0.400	"	5.00	1.30	96.9	70-130			

Batch BJ30062 - [CALC]

Blank (BJ30062-BLK1)	Blank	Prepared & Analyzed: 10/02/2023								
Total Nitrogen Calculated Analyte	ND	0.0500	mg/L							
LCS (BJ30062-BS1)	LCS	Prepared & Analyzed: 10/02/2023								
Total Nitrogen Calculated Analyte	10.2	0.0500	mg/L							
LCS (BJ30062-BS2)	LCS	Prepared & Analyzed: 10/02/2023								
Total Nitrogen Calculated Analyte	10.2	0.0500	mg/L							
Duplicate (BJ30062-DUP1)	Duplicate	*Source sample: 23I1394-07 (Duplicate)								Prepared & Analyzed: 10/02/2023
Total Nitrogen Calculated Analyte	ND	2.50	mg/L							



Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BJ30062 - [CALC]

Duplicate (BJ30062-DUP2) Duplicate *Source sample: 23I1508-01 (Duplicate) Prepared & Analyzed: 10/02/2023

Total Nitrogen Calculated Analyte ND 0.0500 mg/L



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	RPD Flag
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Batch BI31580 - Analysis Preparation

Blank (BI31580-BLK1)	Blank	Prepared & Analyzed: 09/25/2023										
Total Settleable Solids		ND	0.100	mL/L								

Batch BI31587 - % Solids Prep

Blank (BI31587-BLK1)	Blank	Prepared & Analyzed: 09/26/2023												
Total Suspended Solids		ND	1.00	mg/L										
Duplicate (BI31587-DUP1)	Duplicate	*Source sample: 23I1553-01 (Duplicate)								Prepared & Analyzed: 09/26/2023				
Total Suspended Solids		ND	2.50	mg/L										
Duplicate (BI31587-DUP2)	Duplicate	*Source sample: 23I1555-02 (Duplicate)								Prepared & Analyzed: 09/26/2023				
Total Suspended Solids		ND	2.50	mg/L										



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
23I1584-01	TMW01	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23I1584-02	Trip Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- QL-02 This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
- M-CCV1 The recovery for this element in the Continuing Calibration Verification (CCV) exceeded 110% of the expected value. Positive detections may be biased high.
- HT-pH HOLDING TIME EXCEEDED. Samples for pH must be measured in the field or within 15 minutes of sample collection.
- HT-01R This flag indicates that the sample was initially analyzed within recommended hold time and that a re-run was performed outside of the hold time.
- CCVE The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence . This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.



If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.



Field Chain-of-Custody Record

YORK Project No.

23I1584

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

120 Research Drive Stratford, CT 06615 132-02 89th Ave Queens, NY 11418 56 Church Hill Rd. #2 Newtown, CT 06470 clientservices@yorklab.com www.yorklab.com 800-306-YORK

Page 1 of 1

YOUR Information		Report To:	Invoice To:	YOUR Project Number <i>(40265801)</i>	Turn-Around Time
Company: <i>Langan Engineering</i>	Company:	Address: <i>553 Long Wharf Dr. New Haven, CT 06511</i>	Address: <i>SAME</i>		
Address: <i>553 Long Wharf Dr. New Haven, CT 06511</i>	Address:	Phone: <i>203 786 1376</i>	Phone: <i>SAME</i>	YOUR Project Name <i>Old Greenwich School</i>	RUSH - Next Day
Phone: <i>203 786 1376</i>	Phone:	Contact: <i>W.W. William Adsit</i>	Contact:	YOUR PO#:	RUSH - Two Day
Contact: <i>W.W. William Adsit</i>	Contact:	E-mail: <i>wadsit@langan.com</i>	E-mail:		RUSH - Three Day
E-mail: <i>wadsit@langan.com</i>					RUSH - Four Day
					RUSH - Five Day
					Standard (6-9 Day) <input checked="" type="checkbox"/>
					PFAS Standard is 7-10 Days

Please print clearly and legibly. All information must be complete.
Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

W.W.A.
William Adsit

Samples Collected by: (print AND sign your name)

Matrix Codes	Samples From	Report / EDD Type (circle selections)			YORK Reg. Comp.
S - soil / solid	New York	<input checked="" type="checkbox"/> Summary Report	CT RCP	EQULS (Standard)	Compared to the following Regulation(s): (please fill in)
GW - groundwater	New Jersey	<input type="checkbox"/> QA Report	CT RCP DQA/DUE	NYSDEC EQULS	<i>CTDEEP</i>
DW - drinking water	Connecticut	<input checked="" type="checkbox"/> CMDP	NJDEP Reduced	NJDKQP	<i>GW RGM WW criteria</i>
WW - wastewater	Pennsylvania	<input type="checkbox"/> Standard Excel EDD	Deliverables	NJDEP SRP HazSite	
O - Oil	Other	<input type="checkbox"/> NY ASP B Package	Other:		

Sample Identification	Sample Matrix	Date/Time Sampled	Analyses Requested	Container Type	No.
TMW-01	GW	9/25/23 12:35	VOCs, TPH, Cu, Pb, Hg, Zn, Fe, Cd (total metals), pH, total nitrogen, total phosphorus, temperature, total settleable solids, total suspended solids, TKN, Nitrate as N, Nitrite as N	Plastic 1-L	1
_____	_____	_____	_____	Amber 1-L	46
_____	_____	_____	_____	40-mL	3
_____	_____	_____	_____	250-mL	2
_____	_____	_____	_____	500-mL	1
Trip Blanks	Ag	9/25/23	VOCs	40-mL	2

Comments: Please cc: results to Dave Granucci & Hannah Griesbach; RLs must meet CTDEEP Criteria

Samples iced/chilled at time of lab pickup? Yes or No

1. Samples Relinquished by / Company	Date/Time	2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Preservation: (check all that apply)	Special Instruction
<i>W.W.A.</i>	9/25/23 15:12							HCl <input checked="" type="checkbox"/> MeOH <input type="checkbox"/> HNO3 <input checked="" type="checkbox"/> H2SO4 <input checked="" type="checkbox"/> NaOH <input type="checkbox"/> ZnAc <input type="checkbox"/> Ascorbic Acid <input type="checkbox"/> Other: _____	Field Filtered Lab to Filter
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time		
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by <i>K2 9/25/23 15:12</i>	Date/Time			Temperature 1.6 Degrees C	