Consulting
Engineers and
Scientists

October 5, 2020

Mr. Isaac Litchfield
ROOT STUDIOS
443 West 18th Street
New York, New York 10011

Re: Phase II Environmental Site Investigation
1282, 1288, 1292, and 1294 Willoughby Avenue and
373 Suydam Street, Brooklyn, New York 11237

Dear Mr. Litchfield:

This letter report documents the scope, and presents the findings and conclusions of GEI Consultants, Inc., P.C.'s (GEI) Phase II Environmental Subsurface Investigation (ESI) for the above-referenced project site (Site), the location of which is shown on **Figure 1**. The scope of work was conducted consistent with our approved work plan proposal dated August 19, 2020.

Background

On Monday August 17, 2020, GEI received a Phase I Environmental Site Assessment (Phase I ESA) report for the referenced property. The Phase I ESA was prepared by Odelphi Environmental, Inc. (ODELPHI) of Palisades Park, NJ and dated August 13, 2020. The Phase I ESA was completed in general conformance with the ASTM Practice E1527-13. The property is approximately 20,000 square feet (SF) in size, irregular in shape, and contains four abutting mixed-use buildings and undeveloped land. Based on a review of the Phase I, ODELPHI stated that:

> "According to the property owner, public records, and government database records, the subject property had been utilized as plating factory with hazardous waste generators and TSD facility from 1950 to 2020. Historical use of the subject property as a plating facility poses risk of possible subsurface impact by chemicals and hazardous waste because on-site use, handling, and storage of hazardous substances often results in subsurface impact. At the time of site reconnaissance, several oil stained area were observed at 373 vacant land. ODELPHI observed also staining of chemical spill on the metal floor at 1282 and 1292 warehouse. Considering the historical property use as a plating company and property condition, ODELPHI believe the subject property poses risk of contamination and further investigation is warranted"
>
> and:
>
> "Considering the historical and the current use of the subject property, further action or subsurface investigation is recommended based on the historical uses of

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the subject property due to the potential risk of contamination at the subject property."

Based on this information and a review of the Phase I ESA, GEI recommended the following Phase II ESI scope of work (SOW):

Scope of Work

The field investigation component of this Phase II ESI took place on August 28, 2020. The SOW described below was developed to determine if there has been any impact to the soil, groundwater, and soil vapor quality at the project Site. The sampling locations where chosen based upon physical characteristics observed, including significant staining and corrosion of the concrete flooring in the 1288 Willoughby Avenue portion of the Site the main location where metal plating activities have occurred since the 1950s.

Geophysical Investigation and Survey

GEI performed a magnetometer survey, an electromagnetic conductivity survey (EM) and Ground Penetrating Radar (GPR) survey to identify and determine the locations of the underground storage tanks (USTs), drains, or other subsurface features. A Fisher TW-6 magnetometer was used along with a MALA MIRA or equivalent GPR device. Together these instruments were able to identify buried metallic anomalies using inductive and conductive tracing techniques, namely the location of the 4,000-gallon fuel oil underground storage tank (UST) as well as underground piping.

Based on the findings of the geophysical survey, the locations of subsurface sampling points were selected. Despite the locations being cleared by the geophysical survey, there were multiple refusals encountered during drilling activities, and as a result, several of the boing locations were adjusted as needed to overcome these impediments.

Subsurface Investigation

A total of eight (8) soil borings were advanced and eight (8) soil samples were collected as follows:

- UST location: Soil borings and sampling was performed in the area where the 4,000-gallon fuel oil UST was located, as well as on the exterior portions of the site based upon physical characteristics observed during the field investigation.

- Former Metal Plating Operating location: Soil borings and sampling were performed in the area where metal plating occurred on the site. Boring locations were selected based upon physical characteristics observed during the field investigation including old equipment, interior drains or metal floor covers, and obvious floor staining and corrosion.

Groundwater Sampling

- The depth to groundwater at this property was estimated to be 31 to 50 feet below ground surface (bgs). GEI encountered groundwater at a depth of approximately 28 feet bgs during the investigation. GEI collected groundwater grab samples from two (2) of the soil boring locations (SB-4 and SB-7) to evaluate the groundwater quality at the Site.

Soil and Ground Water Sampling Protocol

The soil borings were conducted using a Geoprobe® Direct Push Drill Machine using macrocore samplers. Soil samples were obtained continuously. The soil samples were screened in the field utilizing a photoionization detector (PID) with a 10.6eV lamp portable gas analyzer. Soil samples that showed elevated PID readings were selected for laboratory analysis. The highest PID reading sample or samples exhibiting visual or olfactory (i.e., staining and/or odor) were selected for testing.

The groundwater surface was expected to be encountered approximately 31-50 feet bgs. GEI encountered groundwater at approximately 28 feet bgs. Light non-aqueous phase liquid (LNAPL) was not encountered in the temporary groundwater sampling locations. Groundwater samples were collected using new, dedicated 0.17 X 0.25-inch diameter polyethylene tubing and a check valve. Before sampling, groundwater was purged briefly in order for turbidity to reach a minimum and the other parameters to stabilize. Turbidity and other parameters were recorded during and after purging, and before sampling. Once the samples were collected, the tubing was removed and discarded. Data was recorded in the field logbook. Groundwater samples were containerized in laboratory prepared jars, labeled, sealed, and placed in a chilled cooler for shipment to the laboratory under standard chain of custody procedures.

The eight (8) soil and two (2) groundwater samples were analyzed by an ELAP-certified laboratory approved by the New York State Department of Health (NYSDOH) Target Compound List (TCL) for Volatile Organic Compounds (VOCs) and Semi-Volatile Organic Compounds (SVOCs) by USEPA 8260, 8270BN, CP-51 Table 1 (Fuel Oil), and Target Analyte List (TAL) metals. Select soil samples (SB-7 and SB-8) from near the former Fuel Oil tank were also analyzed for Extractable Petroleum Hydrocarbons (EPH). Metals samples in groundwater were analyzed for total and dissolved concentrations.

Soil Vapor Sampling

GEI installed three temporary soil vapor sampling probes (SV-1 through SV-3) to collect soil vapor samples from the location where metal plating operations occurred. The sub-slab soil vapor samples were collected from approximately 6 to 12 inches beneath the floor slab. Soil vapor samples were collected via Summa Canisters using 2-hour flow controllers and sent to the laboratory to be analyzed for VOCs using USEPA Method TO-15. Following sampling, the sample tubing was removed, and the hole was patched at grade.

Subsurface Investigation Results

The findings of the investigation are described in the following section. **Figure 2** shows the sampling locations. Soil Boring Logs are included as **Attachment 1**. The laboratory data packages are included in **Attachment 2**. Photographs are included as **Attachment 3**. The laboratory analytical data is summarized in **Tables 1**, **2**, and **3**.

Geophysical Investigation and Survey Results

The location of the former Fuel Oil UST located within the parking area and underground piping/drains within the 1288 Willoughby Avenue building were identified and marked out during the geophysical survey. No other constraining subsurface features were identified during the geophysical survey.

Soil Sampling Results

During the course of sampling, PID readings were collected from the soil samples and the soil lithology was recorded. Elevated PID readings and odors were detected in the soil sample locations SB-6, SB-7, and SB-8. Visual observations of staining were also noted at SB-6 in the open yard area at 373 Suydam Street.

Soil sample results were compared to the New York State Department of Environmental Conservation (NYSDEC) New York Codes, Rules, and Regulations (6 NYCRR) Part 375 Unrestricted Use (UU), Restricted Residential Use (RR), and Commercial Use (CU) Soil Cleanup Objectives (SCOs). Results for each analytical suite are as follows:

VOCs — VOC results were either non-detect (ND) or below standards in borings SB-1, through SB-5, and SB-7. Three VOCs were detected above the Unrestricted Use Soil Cleanup Objectives (UU SCOs) in SB-6: 1,2,4-Trimethylbenzene at a concentration of 5.5 milligrams per kilogram (mg/kg), acetone at a concentration of 0.1 mg/kg, and total xylenes as a concentration of 0.49 mg.kg. None of these detections exceeded the Residential Restricted (RR) or Commerical Use (CU) SCOs. One VOC (2-butanone) was detected in SB-8 at a concentration of 0.44 mg/kg, which exceeded the UU SCO, but not the RR or CU SCOs.

SVOCs — SVOCs results were either ND or below standards in borings SB-1, SB-4, and SB-5 through SB-7. Several SVOCs, all Polycyclic Aromatic Hydrocarbons (PAHs), were detected in SB-1, SB-3, and SB-8.

- Benzo(a)anthracene was detected in SB-3 and SB-8 at concentrations of 6.47 mg/kg and 1.1 mg/kg respectively, both exceeding the UU, RR, and CU SCOs.
- Benzo(a)pyrene was detected in SB-3 and SB-8 at concentrations of 5.52 mg/kg and 1.02 mg/kg respectively, both exceeding the UU, RR, and CU SCOs.
- Benzo(b)fluoranthene was detected in SB-3 at a concentration of 6.05 mg/kg exceeding the UU, RR, and CU SCOs.
- Benzo(k)fluoranthene was detected in SB-3 and SB-8 at concentrations of 5.59 mg/kg and 0.852 mg/kg respectively, exceeding the UU SCO in both samples and also the RR SCO in SB-3.
- Chrysene was detected in SB-3 and SB-8 at concentrations of 7.78 mg/kg and 1.09 mg/kg respectively, exceeding the UU SCO in both samples and also the RR SCO in SB-3.
- Dibenzo(a,h)anthracene was detected in SB-3 at a concentration of 1.51 mg/kg exceeding the UU, RR, and CU SCOs.
- Indeno(1,2,3-cd)pyrene was detected in SB-2, SB-3 and SB-8 at concentrations of 0.623 mg/kg, 4.58 mg/kg, and 0.535 mg/kg respectively, exceeding the UU and RR SCO in all three samples.

Metals — A total of nine (9) metals were detected at concentrations exceeding the respective SCOs as follows.

- Arsenic was detected in SB-1, SB-2, and SB-3 at concentrations of 114 mg/kg, 26.3 mg/kg, and 942 mg/kg, respectively, all exceeding the UU, RR, and CU SCOs.
- Barium was detected in SB-1, and SB-3 at concentrations of 804 mg/kg, and 31.9 mg/kg, respectively, all exceeding the UU, RR, and CU SCOs.
- Copper SB-1, SB-2, SB-3, and SB-4 at concentrations of 5.730 mg/kg, 1,040 mg/kg, 823 mg/kg, and 123 mg/kg, respectively, all exceeding the UU, RR, and CU SCOs, with the exception of SB-4, which only exceeded the UU SCOs.
- Lead was detected in SB-1 at a concentration of 2,280 mg/kg exceeding the UU, RR, and CU SCOs. The remaining lead exceedances were detected in SB-2, SB-3, SB-6 and SB-8 ranging from 150 mg/kg to 316 mg/kg and only exceeded the UU SCOs.
- Nickel was detected in SB-1, SB-2, SB-3, and SB-4 at concentrations of 46,300 mg/kg, 88,800 mg/kg, 79,500 mg/kg, and 338 mg/kg respectively, all exceeding the UU, RR, and CU SCOs. Nickel was detected in SB-6 at a concentration of 64.1 mg/kg, exceeding only the UU SCO.
- Silver was detected in SB-1 at a concentration of 292 mg/kg, exceeding the RR and UU SCO. Silver was also detected in SB-2, SB-3, and SB-4 at concentrations of 36.7 mg/kg, 80.6 mg/kg, and 5.78 mg/kg, respectively, all exceeding the UU SCO.
- Zinc was detected in SB-1 through SB-3, SB-6 and SB-8, at concentrations ranging from 128 mg/kg to 867 mg/kg, all exceeding only the UU SCO.
- Mercury was detected in SB-8 at a concentration of 2.99 mg/kg, exceeding the UU, RR and CU SCOs. Mercury was detected in SB-3 at a concentration of 1.08 mg/kg, exceeding the UU and RR SCOs. Mercury was detected in SB-1, SB-2, and SB-4 through SB-6 at concentrations ranging from 0.235 mg/kg to 0.672 mg/kg, exceeding the UU SCO.

EPH — EPH was only analyzed in SB-7 and SB-8 with detections of 1,530 mg/kg and 2,230 mg/kg, respectively. There is no SCO for EPH.

Groundwater Sampling Results

Groundwater sample results were compared to the NYSDEC Technical and Operational Guidance Series (TOGS) Standards and Guidance Values (SGVs) – Class GA (groundwater) and observations are as follows:

VOCs — No VOCs were detected above the SGVs.

SVOCs No SVOCs were detected above the SGVs.

Total Metals Six (6) metals were detected above the SGVs as follows.

- Total chromium was detected in GW-1 and GW-2 at concentrations of 387 micrograms per liter (µg/l) and 129 µg/l, respectively, both exceeding the SGV.
- Total copper was detected in GW-2 at a concentration of 249 µg/l, exceeding the SGV.
- Total lead was detected in GW-2 at a concentration of 127 µg/l, exceeding the SGV.
- Total manganese was detected in GW-1 and GW-2 at concentrations of 4,460 µg/l and 11,300 µg/l, respectively, both exceeding the SGV.
- Total nickel was detected in GW-1 and GW-2 at concentrations of 2,440 µg/l and 301 µg/l, respectively, both exceeding the SGV.
- Total sodium was detected in GW-1 and GW-2 at concentrations of 169,000 µg/l and 193,00 µg/l, respectively, both exceeding the SGV.

Dissolved Metals A total of three (3) dissolved metals were detected at concentrations exceeding the respective SGVs as follows:

- Dissolved manganese was detected in GW-1 and GW-2 at concentrations of 3,700 µg/l and 455 µg/l, respectively, both exceeding the SGV.
- Dissolved nickel was detected in GW-1 at a concentration of 338 µg/l exceeding the SGV.
- Dissolved sodium was detected in GW-1 and GW-2 at concentrations of 165,000 µg/l and 192,00 µg/l, respectively, both exceeding the SGV.

Soil Vapor Sampling Results

There are no guidance criteria for soil vapor samples in New York State. Soil vapor samples are collected as a screening tool to help determine if soil vapor impacts are present and/or causing a vapor intrusion concern for any buildings on a property.

A total of 15 various petroleum hydrocarbon compounds were detected in soil vapor including 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, benzene, ethyl benzene, toluene, and xylenes. These compounds and their breakdown products are commonly associated with fuel and fuel oils and are likely a result of the impacts observed from the fuel oil UST. Some of these compounds are also components in solvents (i.e., acetone, 4-methyl-2-pentanone, toluene, n-hexane) that may have been used during past site operations. The most significant detections were noted in SV-2.

A total of 12 various chlorinated hydrocarbon compounds were detected in soil vapor, including elevated levels of Trichloroethylene and 1,1,1-Trichloroethane, which could pose a soil vapor intrusion condition. These compounds and their breakdown products are commonly associated with solvents used in metals plating and degreasing. The most significant detections were

Trichloroethylene detected at 91 micrograms per cubic meter (µg/m^3) in SV-1 and 1,1,1-Trichloroethane detected at 130 µg/m^3 in SV-2.

Conclusions and Recommendations

In summary, field observations and sample analytical results revealed the following:

- Elevated PID readings, odors, and some staining were observed during the field sampling in borings SB-6, SB-7, and SB-8.

- A total of four (4) VOCs were detected in only two (2) soil sample locations and all detections were below the RR and CU SCOs.

- Several PAHs were detected in three (3) soil sample locations (SB-6, SB-7 and SB-8) with four (4) compounds exceeding the CU SCOs, and seven (7) compounds exceeding the UU and RR SCOs. These borings are near the former fuel oil UST and in a parking area.

- A total of nine (9) metals in seven (7) soil sample locations exceeded the UU, RR, and CU SCOs, most notably copper, lead, nickel and silver which exceeded their respective SCOs by several orders of magnitude in some samples.

- EPH was detected in the two (2) samples in which it was analyzed, indicating there were impacts present from the fuel oil UST.

- No VOC or SVOC exceedances were detected in the groundwater samples.

- A total of six (6) total metals and three (3) dissolved metals exceedances were detected in groundwater samples, including copper, lead, and nickel. These three metals were also detected in soil samples, indicating that soil impacts present at the site may be a source of impacts to groundwater.

- Several petroleum and chlorinated hydrocarbon compounds were detected in each of the three (3) soil vapor samples collected.

- Petroleum hydrocarbon compounds and their breakdown products found in the soil vapor samples are commonly associated with past on-site operations.

- Chlorinated hydrocarbon compounds and their breakdown products found in the soil vapor samples are commonly associated with metals plating and degreasing activities from the past usage at the Site.

Based on the findings of the soil and groundwater sampling, metals impact from the previous site use are present in soil and groundwater. Most notably, nickel was detected at concentrations exceeding the respective UU, RR, and CU SCOs by several orders of magnitude. Copper, lead, and silver were also detected at relatively high concentrations. Copper, lead, and nickel were detected above the SGVs in groundwater. PAHs likely attributable to the fuel oil UST at the Site were also identified in soil. The findings of the soil vapor sampling indicate petroleum and chlorinated hydrocarbon impacts in soil vapor.

Additional sampling would be needed to fully vertically and horizontally delineate these impacts and develop a remedial strategy as warranted (e.g. commercial or residential uses). If the

property were to undergo redevelopment that included soil removal, the soil would need to be fully characterized in order to determine appropriate permitted soil disposal facilities.

The 4,000-gallon fuel oil UST and associated impacted soil should also be properly excavated and removed as per NYSDEC rules and regulations.

Additionally, prior to occupancy, a soil vapor intrusion evaluation following the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in New York State (NYSDOH Guidance) would be required to prevent risk of exposure to future building occupants.

It is also recommended that the petroleum impacted soils noted on the undeveloped lot (i.e., 373 Suydam Street) be excavated and properly disposed. Additionally, a new floor slab (with a vapor barrier) should be installed over the existing floor slab that is pitted and corroded within the building at 1288 Willoughby Avenue. It is also noted that the metal plated flooring within 1282 Willoughby Avenue should be removed so that the underlying flooring can be inspected.

Additional Recommendations

The size of the fuel oil aboveground storage tank (AST) in the sub-level basement at 1292 Willoughby Avenue should be confirmed and if that tank will continually be utilized, it should be cleaned out and inspected for holes. If it will no longer be utilized, then it should be properly removed.

Lastly, due to the corrosion, pitting, and cracking noted in the flooring and eastern wall within the 1288 Willoughby Avenue building, a structural inspection (including the roof) is recommended.

Please feel free to contact me, Richard Fasciani, by phone: 631-759-2974 or email: rfasciani@geiconsultants.com, or Wendy Monterosso by phone: 631-759-2962 or email: wmonteosso@geiconsultants.com if you have any questions.

Sincerely,

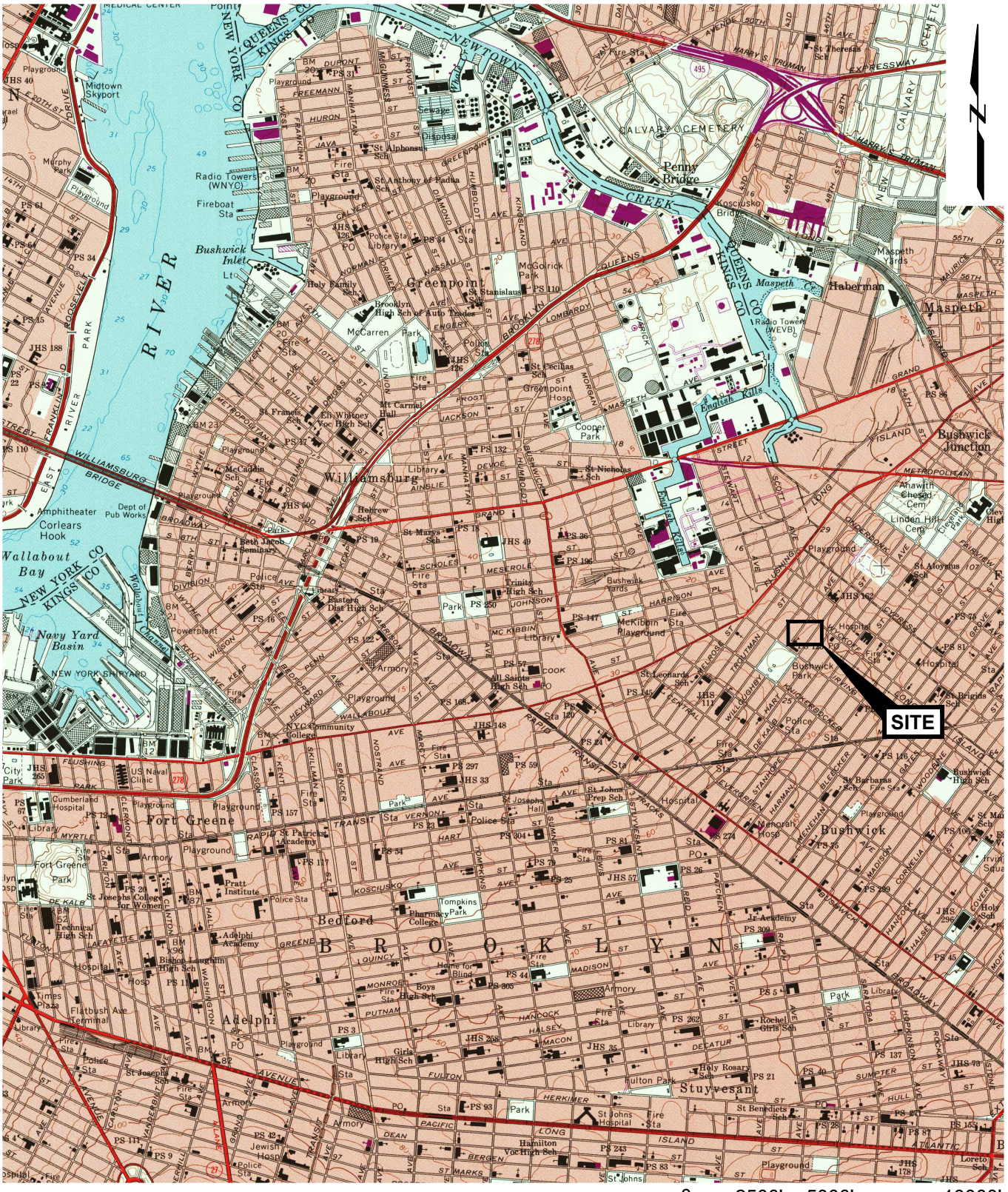
GEI CONSULTANTS, INC., P. C.

Richard Fasciani
Environmental Practice Leader

Wendy Monterosso
Senior Hydrogeologist

RF/WM:gd
Attachments
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Figures



SOURCE: Map created with USGS.com quadrangle location Brooklyn New York.

Phase II ESA Investigation 1282-1294 Willoughby Avenue & 373 Suydam Street Brooklyn, New York 11237	GEI Consultants	SITE LOCATION MAP
Mr. Isaac Litchfield New York, New York 10011	Project 2003975	October 2020 Fig. 1

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LEGEND:

- SOIL BORING SAMPLE
- GROUNDWATER/SOIL BORING SAMPLE
- SOIL VAPOR SAMPLE

0 50 100

SCALE: 1" = 50'

SOURCE:

1. PLAN BASED ON NYC.GOV TAX MAP

Phase II ESA Investigation 1282-1294 Willoughby Avenue & 373 Suydam Street Brooklyn, New York 11237	GEI Consultants	SAMPLE LOCATION PLAN
Mr. Isaac Litchfield New York, New York 10011	Project 2003975	October 2020 Fig. 2

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Tables

Table 1. Soil Analytical Data Results Summary
Phase II Environmental Site Investigation
1288 Willoughby Avenue, 1282, 1282, 1292, and 1294 Willoughby Avenue and
373 Suydam Street, Brooklyn, New York 11237

	Sample ID York ID Sampling Date Client Matrix	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives Restricted Residential	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives-Commercial	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	SB-1 0'-4' 20H1163-01 8/28/2020 9:00:00 AM Soil		SB-2 1'-3' 20H1163-02 8/28/2020 9:45:00 AM Soil		SB-3 0'-4' 20H1163-03 8/28/2020 10:30:00 AM Soil		SB-4 12'-16' 20H1163-04 8/28/2020 11:00:00 AM Soil		SB-5 12'-16' 20H1163-05 8/28/2020 12:45:00 PM Soil		SB-6 1'-2' 20H1163-06 8/28/2020 1:30:00 PM Soil		SB-7 7'-9' 20H1163-07 8/28/2020 2:15:00 PM Soil		SB-8 8'-11' 20H1163-08 8/28/2020 3:10:00 PM Soil	
Compound	**CAS Number**	**Restricted Residential**	**Commercial**	**Objectives**	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Volatile Organics, 8260 - Comprehensive		mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor					1		1		1		1		1		100		100		100	
1,1,1,2-Tetrachloroethane	630-20-6	~	~	~	0.00340	U	0.00220	U	0.00250	U	0.00260	U	0.00210	U	0.00240	U	0.240	U	0.290	U
1,1,1-Trichloroethane	71-55-6	100	500	0.68	0.00340	U	0.00220	U	0.00250	U	0.00260	U	0.00210	U	0.00240	U	0.240	U	0.290	U
1,1,2,2-Tetrachloroethane	79-34-5	~	~	~	0.00340	U	0.00220	U	0.00250	U	0.00260	U	0.00210	U	0.00240	U	0.240	U	0.290	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	~	~	~	0.00340	U	0.00220	U	0.00250	U	0.00260	U	0.00210	U	0.00240	U	0.240	U	0.290	U
1,1,2-Trichloroethane	79-00-5	~	~	~	0.00340	U	0.00220	U	0.00250	U	0.00260	U	0.00210	U	0.00240	U	0.240	U	0.290	U
1,1-Dichloroethane	75-34-3	26	240	0.27	0.00340	U	0.00220	U	0.00250	U	0.00260	U	0.00210	U	0.00240	U	0.240	U	0.290	U
1,1-Dichloroethylene	75-35-4	100	500	0.33	0.00340	U	0.00220	U	0.00250	U	0.00260	U	0.00210	U	0.00240	U	0.240	U	0.290	U
1,2,3-Trichlorobenzene	87-61-6	~	~	~	0.00340	U	0.00220	U	0.00250	U	0.00260	U	0.00210	U	0.00240	U	0.240	U	0.290	U
1,2,3-Trichloropropane	96-18-4	~	~	~	0.00340	U	0.00220	U	0.00250	U	0.00260	U	0.00210	U	0.00240	U	0.240	U	0.290	U
1,2,4-Trichlorobenzene	120-82-1	~	~	~	0.00340	U	0.00220	U	0.00250	U	0.00260	U	0.00210	U	0.00240	U	0.240	U	0.290	U
1,2,4-Trimethylbenzene	95-63-6	52	190	3.6	0.00340	U	0.00220	U	0.00250	U	0.00260	U	0.00210	U	**5.5**	D	0.240	U	0.450	JD
1,2-Dibromo-3-chloropropane	96-12-8	~	~	~	0.00340	U	0.00220	U	0.00250	U	0.00260	U	0.00210	U	0.00240	U	0.240	U	0.290	U
1,2-Dibromoethane	106-93-4	~	~	~	0.00340	U	0.00220	U	0.00250	U	0.00260	U	0.00210	U	0.00240	U	0.240	U	0.290	U
1,2-Dichlorobenzene	95-50-1	100	500	1.1	0.00340	U	0.00220	U	0.00250	U	0.00260	U	0.00210	U	0.00240	U	0.240	U	0.290	U
1,2-Dichloroethane	107-06-2	3.1	30	0.02	0.00340	U	0.00220	U	0.00250	U	0.00260	U	0.00210	U	0.00240	U	0.240	U	0.290	U
1,2-Dichloropropane	78-87-5	~	~	~	0.00340	U	0.00220	U	0.00250	U	0.00260	U	0.00210	U	0.00240	U	0.240	U	0.290	U
1,3,5-Trimethylbenzene	108-67-8	52	190	8.4	0.00340	U	0.00220	U	0.00250	U	0.00260	U	0.00210	U	0.120		0.240	U	0.290	U
1,3-Dichlorobenzene	541-73-1	49	280	2.4	0.00340	U	0.00220	U	0.00250	U	0.00260	U	0.00210	U	0.00240	U	0.240	U	0.290	U
1,4-Dichlorobenzene	106-46-7	13	130	1.8	0.00340	U	0.00220	U	0.00250	U	0.00260	U	0.00210	U	0.00240	U	0.240	U	0.290	U
1,4-Dioxane	123-91-1	13	130	0.1	0.0680	U	0.0440	U	0.0500	U	0.0520	U	0.0420	U	0.0490	U	4.800	U	5.900	U
2-Butanone	78-93-3	100	500	0.12	0.00860		0.00220	U	0.00250	U	0.00260	U	0.00210	U	0.0420		0.240	U	**0.44**	JD
2-Hexanone	591-78-6	~	~	~	0.00340	U	0.00220	U	0.00250	U	0.00260	U	0.00210	U	0.00240	U	0.240	U	0.290	U
4-Methyl-2-pentanone	108-10-1	~	~	~	0.0390		0.00220	U	0.00250	U	0.00260	U	0.00210	U	0.640	D	0.240	U	0.290	U
Acetone	67-64-1	100	500	0.05	0.0430		0.00440	U	0.00500	U	0.00520	U	0.00420	U	**0.1**		0.480	U	0.590	U
Acrolein	107-02-8	~	~	~	0.00680	U	0.00440	U	0.00500	U	0.00520	U	0.00420	U	0.00490	U	0.480	U	0.590	U
Acrylonitrile	107-13-1	~	~	~	0.00340	U	0.00220	U	0.00250	U	0.00260	U	0.00210	U	0.00240	U	0.240	U	0.290	U
Benzene	71-43-2	4.8	44	0.06	0.00340	U	0.00220	U	0.00250	U	0.00260	U	0.00210	U	0.00410	J	0.240	U	0.290	U
Bromochloromethane	74-97-5	~	~	~	0.00340	U	0.00220	U	0.00250	U	0.00260	U	0.00210	U	0.00240	U	0.240	U	0.290	U
Bromodichloromethane	75-27-4	~	~	~	0.00340	U	0.00220	U	0.00250	U	0.00260	U	0.00210	U	0.00240	U	0.240	U	0.290	U
Bromoform	75-25-2	~	~	~	0.00340	U	0.00220	U	0.00250	U	0.00260	U	0.00210	U	0.00240	U	0.240	U	0.290	U
Bromomethane	74-83-9	~	~	~	0.00340	U	0.00220	U	0.00250	U	0.00260	U	0.00210	U	0.00240	U	0.240	U	0.290	U
Carbon disulfide	75-15-0	~	~	~	0.00340	U	0.00220	U	0.00250	U	0.00260	U	0.00210	U	0.00240	U	0.240	U	0.290	U
Carbon tetrachloride	56-23-5	2.4	22	0.76	0.00340	U	0.00220	U	0.00250	U	0.00260	U	0.00210	U	0.00240	U	0.240	U	0.290	U
Chlorobenzene	108-90-7	100	500	1.1	0.00340	U	0.00220	U	0.00250	U	0.00260	U	0.00210	U	0.00240	U	0.240	U	0.290	U
Chloroethane	75-00-3	~	~	~	0.00340	U	0.00220	U	0.00250	U	0.00260	U	0.00210	U	0.00240	U	0.240	U	0.290	U
Chloroform	67-66-3	49	350	0.37	0.00340	U	0.00220	U	0.00250	U	0.00260	U	0.00210	U	0.00240	U	0.240	U	0.290	U
Chloromethane	74-87-3	~	~	~	0.00340	U	0.00220	U	0.00250	U	0.00260	U	0.00210	U	0.00240	U	0.240	U	0.290	U
cis-1,2-Dichloroethylene	156-59-2	100	500	0.25	0.00340	U	0.00220	U	0.00250	U	0.00260	U	0.00210	U	0.00240	U	0.240	U	0.290	U
cis-1,3-Dichloropropylene	10061-01-5	~	~	~	0.00340	U	0.00220	U	0.00250	U	0.00260	U	0.00210	U	0.00240	U	0.240	U	0.290	U
Cyclohexane	110-82-7	~	~	~	0.00340	U	0.00220	U	0.00250	U	0.00260	U	0.00210	U	0.00870		0.240	U	0.290	U
Dibromochloromethane	124-48-1	~	~	~	0.00340	U	0.00220	U	0.00250	U	0.00260	U	0.00210	U	0.00240	U	0.240	U	0.290	U
Dibromomethane	74-95-3	~	~	~	0.00340	U	0.00220	U	0.00250	U	0.00260	U	0.00210	U	0.00240	U	0.240	U	0.290	U
Dichlorodifluoromethane	75-71-8	~	~	~	0.00340	U	0.00220	U	0.00250	U	0.00260	U	0.00210	U	0.00240	U	0.240	U	0.290	U
Ethyl Benzene	100-41-4	41	390	1	0.00340	U	0.00220	U	0.00250	U	0.00260	U	0.00210	U	0.0620		0.240	U	0.290	U
Hexachlorobutadiene	87-68-3	~	~	~	0.00340	U	0.00220	U	0.00250	U	0.00260	U	0.00210	U	0.00240	U	0.240	U	0.290	U
Isopropylbenzene	98-82-8	~	~	~	0.00340	U	0.00220	U	0.00250	U	0.00260	U	0.00210	U	0.0120		0.240	U	0.470	JD
Methyl acetate	79-20-9	~	~	~	0.00340	U	0.00220	U	0.00250	U	0.00260	U	0.00210	U	0.00240	U	0.240	U	0.290	U
Methyl tert-butyl ether (MTBE)	1634-04-4	100	500	0.93	0.00340	U	0.00220	U	0.00250	U	0.00260	U	0.00210	U	0.00510		0.240	U	0.290	U
Methylcyclohexane	108-87-2	~	~	~	0.00340	U	0.00220	U	0.00250	U	0.00260	U	0.00210	U	0.0260		0.240	U	0.290	U
Methylene chloride	75-09-2	100	500	0.05	0.00680	U	0.00440	U	0.00500	U	0.00630	J	0.00500	J	0.00490	U	0.480	U	0.590	U
n-Butylbenzene	104-51-8	100	500	12	0.00340	U	0.00220	U	0.00250	U	0.00260	U	0.00210	U	0.0120		0.240	U	3.300	D
n-Propylbenzene	103-65-1	100	500	3.9	0.00340	U	0.00220	U	0.00250	U	0.00260	U	0.00210	U	0.0350		0.240	U	0.500	JD
o-Xylene	95-47-6	~	~	~	0.00340	U	0.00220	U	0.00250	U	0.00260	U	0.00210	U	0.170		0.240	U	0.290	U
p- & m- Xylenes	179601-23-1	~	~	~	0.00680	U	0.00440	U	0.00500	U	0.00520	U	0.00420	U	0.320		0.480	U	0.590	U
p-Isopropyltoluene	99-87-6	~	~	~	0.00340	U	0.00220	U	0.00250	U	0.00260	U	0.00210	U	0.00950		0.240	U	0.290	U
sec-Butylbenzene	135-98-8	100	500	11	0.00340	U	0.00220	U	0.00250	U	0.00260	U	0.00210	U	0.00990		0.240	U	6.200	D
Styrene	100-42-5	~	~	~	0.00340	U	0.00220	U	0.00250	U	0.00260	U	0.00210	U	0.00240	U	0.240	U	0.290	U
tert-Butyl alcohol (TBA)	75-65-0	~	~	~	0.00340	U	0.00220	U	0.00250	U	0.00260	U	0.00210	U	0.0170	JB	0.240	U	0.290	U
tert-Butylbenzene	98-06-6	100	500	5.9	0.00340	U	0.00220	U	0.00250	U	0.00260	U	0.00210	U	0.00240	U	0.240	U	0.290	U
Tetrachloroethylene	127-18-4	19	150	1.3	0.00340	U	0.00220	U	0.00250	U	0.00260	U	0.00210	U	0.00240	U	0.240	U	0.290	U
Toluene	108-88-3	100	500	0.7	0.00340	U	0.00220	U	0.00250	U	0.00260	U	0.00210	U	0.190		0.240	U	0.290	U
trans-1,2-Dichloroethylene	156-60-5	100	500	0.19	0.00340	U	0.00220	U	0.00250	U	0.00260	U	0.00210	U	0.00240	U	0.240	U	0.290	U
trans-1,3-Dichloropropylene	10061-02-6	~	~	~	0.00340	U	0.00220	U	0.00250	U	0.00260	U	0.00210	U	0.00240	U	0.240	U	0.290	U
trans-1,4-dichloro-2-butene	110-57-6	~	~	~	0.00340	U	0.00220	U	0.00250	U	0.00260	U	0.00210	U	0.00240	U	0.240	U	0.290	U

Table 1. Soil Analytical Data Results Summary
Phase II Environmental Site Investigation
1288 Willoughby Avenue, 1282, 1282, 1292, and 1294 Willoughby Avenue and
373 Suydam Street, Brooklyn, New York 11237

Compound	CAS Number	Sample ID / York ID / Sampling Date / Client Matrix	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives Restricted Residential	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives-Commercial	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	SB-1 0'-4' 20H1163-01 8/28/2020 9:00:00 AM Soil		SB-2 1'-3' 20H1163-02 8/28/2020 9:45:00 AM Soil		SB-3 0'-4' 20H1163-03 8/28/2020 10:30:00 AM Soil		SB-4 12'-16' 20H1163-04 8/28/2020 11:00:00 AM Soil		SB-5 12'-16' 20H1163-05 8/28/2020 12:45:00 PM Soil		SB-6 1'-2' 20H1163-06 8/28/2020 1:30:00 PM Soil		SB-7 7'-9' 20H1163-07 8/28/2020 2:15:00 PM Soil		SB-8 8'-11' 20H1163-08 8/28/2020 3:10:00 PM Soil	
						Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Trichloroethylene	79-01-6		21	200	0.47	0.00340	U	0.00220	U	0.00250	U	0.00260	U	0.00210	U	0.00240	U	0.240	U	0.290	U
Trichlorofluoromethane	75-69-4		~	~	~	0.00340	U	0.00220	U	0.00250	U	0.00260	U	0.00210	U	0.00240	U	0.240	U	0.290	U
Vinyl Chloride	75-01-4		0.9	13	0.02	0.00340	U	0.00220	U	0.00250	U	0.00260	U	0.00210	U	0.00240	U	0.240	U	0.290	U
Xylenes, Total	1330-20-7		100	500	0.26	0.0100	U	0.00670	U	0.00750	U	0.00790	U	0.00630	U	**0.49**		0.730	U	0.880	U
Semi-Volatiles, 8270 Base/Neutrals			mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor						10		2		20		2		2		10		20		10	
1,2,4-Trichlorobenzene	120-82-1		~	~	~	1.200	U	0.0505	U	0.0468	U	0.0479	U	0.0471	U	0.462	U	0.0464	U	0.0486	U
1,2-Dichlorobenzene	95-50-1		100	500	1.1	1.200	U	0.0505	U	0.0468	U	0.0479	U	0.0471	U	0.462	U	0.0464	U	0.0486	U
1,3-Dichlorobenzene	541-73-1		49	280	2.4	1.200	U	0.0505	U	0.0468	U	0.0479	U	0.0471	U	0.462	U	0.0464	U	0.0486	U
1,4-Dichlorobenzene	106-46-7		13	130	1.8	1.200	U	0.0505	U	0.0468	U	0.0479	U	0.0471	U	0.462	U	0.0464	U	0.0486	U
2,4-Dinitrotoluene	121-14-2		~	~	~	1.200	U	0.0505	U	0.0468	U	0.0479	U	0.0471	U	0.462	U	0.0464	U	0.0486	U
2,6-Dinitrotoluene	606-20-2		~	~	~	1.200	U	0.0505	U	0.0468	U	0.0479	U	0.0471	U	0.462	U	0.0464	U	0.0486	U
2-Chloronaphthalene	91-58-7		~	~	~	1.200	U	0.0505	U	0.0468	U	0.0479	U	0.0471	U	0.462	U	0.0464	U	0.0486	U
2-Methylnaphthalene	91-57-6		~	~	~	1.200	U	0.0505	U	0.180	D	0.0479	U	0.0471	U	0.479	JD	20.800	D	0.737	D
3,3-Dichlorobenzidine	91-94-1		~	~	~	1.200	U	0.0505	U	0.0468	U	0.0479	U	0.0471	U	0.462	U	0.0464	U	0.0486	U
3-Nitroaniline	99-09-2		~	~	~	2.400	U	0.101	U	0.0934	U	0.0956	U	0.0940	U	0.921	U	0.0927	U	0.0970	U
4-Bromophenyl phenyl ether	101-55-3		~	~	~	1.200	U	0.0505	U	0.0468	U	0.0479	U	0.0471	U	0.462	U	0.0464	U	0.0486	U
4-Chloroaniline	106-47-8		~	~	~	1.200	U	0.0505	U	0.0468	U	0.0479	U	0.0471	U	0.462	U	0.0464	U	0.0486	U
4-Chlorophenyl phenyl ether	7005-72-3		~	~	~	1.200	U	0.0505	U	0.0468	U	0.0479	U	0.0471	U	0.462	U	0.0464	U	0.0486	U
4-Nitroaniline	100-01-6		~	~	~	2.400	U	0.101	U	0.0934	U	0.0956	U	0.0940	U	0.921	U	0.0927	U	0.0970	U
Acenaphthene	83-32-9		100	500	20	1.200	U	0.0505	U	0.203	D	0.0711	JD	0.0471	U	0.462	U	1.220	D	1.540	D
Acenaphthylene	208-96-8		100	500	100	1.200	U	0.127	D	0.697	D	0.0741	JD	0.0471	U	0.462	U	0.345	D	0.457	D
Aniline	62-53-3		~	~	~	4.800	U	0.202	U	0.187	U	0.191	U	0.188	U	1.850	U	0.186	U	0.194	U
Anthracene	120-12-7		100	500	100	1.200	U	0.125	D	1.320	D	0.202	D	0.0471	U	0.462	U	0.549	D	0.986	D
Benzo(a)anthracene	56-55-3		1	5.6	1	1.200	U	0.730	D	**6.47**	D	0.455	D	0.0471	U	0.589	JD	0.0464	U	**1.1**	D
Benzo(a)pyrene	50-32-8		1	1	1	1.200	U	0.736	D	**5.52**	D	0.423	D	0.0471	U	0.516	JD	0.0464	U	**1.02**	D
Benzo(b)fluoranthene	205-99-2		1	5.6	1	1.200	U	0.783	D	**6.05**	D	0.361	D	0.0471	U	0.508	JD	0.0464	U	0.966	D
Benzo(g,h,i)perylene	191-24-2		100	500	100	1.200	U	0.573	D	4.380	D	0.276	D	0.0471	U	0.462	U	0.0464	U	0.568	D
Benzo(k)fluoranthene	207-08-9		3.9	56	0.8	1.200	U	0.730	D	**5.59**	D	0.322	D	0.0471	U	0.462	U	0.0464	U	**0.852**	D
Benzyl butyl phthalate	85-68-7		~	~	~	1.200	U	0.0505	U	0.0468	U	0.0479	U	0.0471	U	0.462	U	0.0464	U	0.0486	U
Bis(2-chloroethoxy)methane	111-91-1		~	~	~	1.200	U	0.0505	U	0.0468	U	0.0479	U	0.0471	U	0.462	U	0.0464	U	0.0486	U
Bis(2-chloroethyl)ether	111-44-4		~	~	~	1.200	U	0.0505	U	0.0468	U	0.0479	U	0.0471	U	0.462	U	0.0464	U	0.0486	U
Bis(2-chloroisopropyl)ether	108-60-1		~	~	~	1.200	U	0.0505	U	0.0468	U	0.0479	U	0.0471	U	0.462	U	0.0464	U	0.0486	U
Bis(2-ethylhexyl)phthalate	117-81-7		~	~	~	37.200	D	0.163	D	0.0468	U	0.0627	JD	0.0471	U	4.430	D	0.0464	U	0.0486	U
Carbazole	86-74-8		~	~	~	1.200	U	0.0505	U	0.558	D	0.0703	JD	0.0471	U	0.462	U	0.0464	U	0.0486	U
Chrysene	218-01-9		3.9	56	1	1.200	U	0.875	D	**7.78**	D	0.452	D	0.0471	U	0.538	JD	0.0464	U	**1.09**	D
Dibenzo(a,h)anthracene	53-70-3		0.33	0.56	0.33	1.200	U	0.175	D	**1.51**	D	0.0734	JD	0.0471	U	0.462	U	0.0464	U	0.238	D
Dibenzofuran	132-64-9		59	350	7	1.200	U	0.0505	U	0.431	D	0.0479	U	0.0471	U	0.462	U	1.060	D	0.910	D
Diethyl phthalate	84-66-2		~	~	~	1.200	U	0.0505	U	0.0468	U	0.0479	U	0.0471	U	0.462	U	0.0464	U	0.0486	U
Dimethyl phthalate	131-11-3		~	~	~	1.200	U	0.0505	U	0.0468	U	0.0479	U	0.0471	U	0.462	U	0.0464	U	0.0486	U
Di-n-butyl phthalate	84-74-2		~	~	~	1.200	U	0.0588	JD	0.0468	U	0.0479	U	0.0471	U	0.462	U	0.0464	U	0.0486	U
Di-n-octyl phthalate	117-84-0		~	~	~	1.200	U	0.0505	U	0.0468	U	0.0479	U	0.0471	U	0.462	U	0.0464	U	0.0486	U
Fluoranthene	206-44-0		100	500	100	1.200	U	1.170	D	14	D	0.964	D	0.0471	U	1.020	D	0.188	D	3	D
Fluorene	86-73-7		100	500	30	1.200	U	0.0505	U	0.0468	U	0.0871	JD	0.0471	U	0.462	U	2.120	D	2.800	D
Hexachlorobenzene	118-74-1		1.2	6	0.33	1.200	U	0.0505	U	0.0468	U	0.0479	U	0.0471	U	0.462	U	0.0464	U	0.0486	U
Hexachlorobutadiene	87-68-3		~	~	~	1.200	U	0.0505	U	0.0468	U	0.0479	U	0.0471	U	0.462	U	0.0464	U	0.0486	U
Hexachlorocyclopentadiene	77-47-4		~	~	~	1.200	U	0.0505	U	0.0468	U	0.0479	U	0.0471	U	0.462	U	0.0464	U	0.0486	U
Hexachloroethane	67-72-1		~	~	~	1.200	U	0.0505	U	0.0468	U	0.0479	U	0.0471	U	0.462	U	0.0464	U	0.0486	U
Indeno(1,2,3-cd)pyrene	193-39-5		0.5	5.6	0.5	1.200	U	**0.623**	D	**4.58**	D	0.300	D	0.0471	U	0.462	U	0.0464	U	**0.535**	D
NJDEP EPH (Cat. 2 Non-Fractionated)																		mg/kg		mg/kg	
Dilution Factor																		10		10	
Total EPH			~	~	~	NT		NT		NT		NT		NT		NT		1,530	D	2,230	D
Metals, Target Analyte			mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor						20		20		20		1		1		1		1		1	
Aluminum	7429-90-5		~	~	~	4,320		8,350		8,480		6,530		10,300		6,700		7,700		5,960	
Antimony	7440-36-0		~	~	~	195		3.040	U	4.100		4.200		2.840	U	2.790	U	2.810	U	2.950	U
Arsenic	7440-38-2		16	16	13	**114**		**26.3**		**31.9**		4.410		2.320		4.650		1.960		4.290	
Barium	7440-39-3		400	400	350	**804**		232		**942**		40.700		45.400		205		37.500		72.700	
Beryllium	7440-41-7		72	590	7.2	0.0780	U	0.0610	U	0.0560	U	0.0580	U	0.0570	U	0.0560	U	0.0560	U	0.0590	U
Cadmium	7440-43-9		4.3	9.3	2.5	0.469	U	0.365	U	0.338	U	0.346	U	0.341	U	0.927		0.337	U	0.354	U
Calcium	7440-70-2		~	~	~	26,300		717		529		1,270		936		7,910		1,230		2,080	
Chromium	7440-47-3		~	~	~	11,600	D	1,150		2,210		172		26.200		23		15.200		14.200	
Cobalt	7440-48-4		~	~	~	15.600		17.200		24.700		4.610		4.380		6.430		6.130		5.190	
Copper	7440-50-8		270	270	50	**5,730**		**1,040**		**823**		16.200		7.160		**123**		4		49.600	
Iron	7439-89-6		~	~	~	54,200		25,700		17,200		12,100		10,600		21,500		18,100		13,400	
Lead	7439-92-1		400	1000	63	**2,280**	B	**316**	B	**150**	B	59.100	B	20.100	B	**214**	B	2.230	B	**253**	B
Magnesium	7439-95-4		~	~	~	1,560		2,070		1,440		1,880		1,530		2,360		1,610		1,540	

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1288 Willoughby Avenue, 1282, 1282, 1292, and 1294 Willoughby Avenue and
373 Suydam Street, Brooklyn, New York 11237

	Sample ID				SB-1 0'-4'		SB-2 1'-3'		SB-3 0'-4'		SB-4 12'-16'		SB-5 12'-16'		SB-6 1'-2'		SB-7 7'-9'		SB-8 8'-11'	
	York ID	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives Restricted Residential	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives-Commercial	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	20H1163-01		20H1163-02		20H1163-03		20H1163-04		20H1163-05		20H1163-06		20H1163-07		20H1163-08	
	Sampling Date				8/28/2020 9:00:00 AM		8/28/2020 9:45:00 AM		8/28/2020 10:30:00 AM		8/28/2020 11:00:00 AM		8/28/2020 12:45:00 PM		8/28/2020 1:30:00 PM		8/28/2020 2:15:00 PM		8/28/2020 3:10:00 PM	
	Client Matrix				Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Compound	**CAS Number**				Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Manganese	7439-96-5	2000	10000	1600	226		140		107		562		369		340		325		153	
Nickel	7440-02-0	310	310	30	**46,300**	D	**88,800**	D	**79,500**	D	**338**		12.700		**64.1**		11.600		12.700	
Potassium	7440-09-7	~	~	~	421	B	799	B	811	B	662	B	588	B	1,210	B	973	B	803	B
Selenium	7782-49-2	180	1500	3.9	3.910	U	3.040	U	2.820	U	2.880	U	2.840	U	2.790	U	2.810	U	2.950	U
Silver	7440-22-4	180	1500	2	**292**		**37.6**		**80.6**		**5.78**		0.568	U	0.558	U	0.561	U	0.589	U
Sodium	7440-23-5	~	~	~	2,270	B	645	B	1,240	B	301	B	1,780	B	207	B	56.100	U	153	B
Thallium	7440-28-0	~	~	~	3.910	U	3.040	U	2.820	U	2.880	U	2.840	U	2.790	U	2.810	U	2.950	U
Vanadium	7440-62-2	~	~	~	1.560	U	15.500		22.400		13.400		16.900		27.700		21.600		23.900	
Zinc	7440-66-6	10000	10000	109	**867**		**192**		**406**		35.600		25.400		**734**		21.400		**128**	
Mercury by 7473		mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor					1		1		1		1		1		1		1		1	
Mercury	7439-97-6	0.81	2.8	0.18	**0.265**		**0.341**		**1.08**		**0.571**		**0.235**		**0.672**		0.0337	U	**2.99**	
Total Solids					%		%		%		%		%		%		%		%	
Dilution Factor					1		1		1		1		1		1		1		1	
% Solids	solids	~	~	~	63.900		82.200		88.700		86.700		88.100		89.600		89.100		84.800	

NOTES:
Any Regulatory Exceedences are color coded by Regulation
NYSDEC=New York Department of Environmental Conservation
mg/Kg=milligrams per kilogram

Q is the Qualifier Column with definitions as follows:
D=result is from an analysis that required a dilution
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
U=analyte not detected at or above the level indicated
B=analyte found in the analysis batch blank
E=result is estimated and cannot be accurately reported due to levels encountered or interferences
P=this flag is used for pesticide and PCB (Aroclor) target compounds when there is a % difference for detected concentrations that exceed method dictated limits between the two GC columns used for analysis
NT=this indicates the analyte was not a target for this sample
~=this indicates that no regulatory limit has been established for this analyte

Table 2. Groundwater Analytical Results Summary
Phase II Environmental Site Investigation
1288 Willoughby Avenue, 1282, 1282, 1292, and 1294 Willoughby Avenue and
373 Suydam Street, Brooklyn, New York 11237

	Sample ID York ID Sampling Date Client Matrix	NYSDEC TOGS Standards and Guidance Values - GA	GW-1 20H1164-01 8/28/2020 11:40:00 AM Water		GW-2 20H1164-02 8/28/2020 2:40:00 PM Water	
Compound	**CAS Number**		Result	Q	Result	Q
Volatile Organics, 8260 - Comprehensive		µg/L	µg/L		µg/L	
Dilution Factor			1		1	
1,1,1,2-Tetrachloroethane	630-20-6	5	0.200	U	0.200	U
1,1,1-Trichloroethane	71-55-6	5	0.200	U	0.200	U
1,1,2,2-Tetrachloroethane	79-34-5	5	0.200	U	0.200	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	5	0.200	U	0.200	U
1,1,2-Trichloroethane	79-00-5	1	0.200	U	0.200	U
1,1-Dichloroethane	75-34-3	5	0.200	U	0.200	U
1,1-Dichloroethylene	75-35-4	5	0.200	U	0.200	U
1,2,3-Trichlorobenzene	87-61-6	5	0.200	U	0.200	U
1,2,3-Trichloropropane	96-18-4	0.04	0.200	U	0.200	U
1,2,4-Trichlorobenzene	120-82-1	5	0.200	U	0.200	U
1,2,4-Trimethylbenzene	95-63-6	5	0.200	U	0.200	U
1,2-Dibromo-3-chloropropane	96-12-8	0.04	0.200	U	0.200	U
1,2-Dibromoethane	106-93-4	0.0006	0.200	U	0.200	U
1,2-Dichlorobenzene	95-50-1	3	0.200	U	0.200	U
1,2-Dichloroethane	107-06-2	0.6	0.200	U	0.200	U
1,2-Dichloropropane	78-87-5	1	0.200	U	0.200	U
1,3,5-Trimethylbenzene	108-67-8	5	0.200	U	0.200	U
1,3-Dichlorobenzene	541-73-1	3	0.200	U	0.200	U
1,4-Dichlorobenzene	106-46-7	3	0.200	U	0.200	U
1,4-Dioxane	123-91-1	~	40	U	40	U
2-Butanone	78-93-3	50	0.200	U	0.200	U
2-Hexanone	591-78-6	50	0.200	U	0.200	U
4-Methyl-2-pentanone	108-10-1	~	0.200	U	0.200	U
Acetone	67-64-1	50	1	U	1	U
Acrolein	107-02-8	~	0.200	U	0.200	U
Acrylonitrile	107-13-1	~	0.200	U	0.200	U
Benzene	71-43-2	1	0.200	U	0.200	U
Bromochloromethane	74-97-5	5	0.200	U	0.200	U
Bromodichloromethane	75-27-4	50	0.200	U	0.200	U
Bromoform	75-25-2	50	0.200	U	0.200	U
Bromomethane	74-83-9	5	0.200	U	0.200	U
Carbon disulfide	75-15-0	~	0.200	U	0.200	U
Carbon tetrachloride	56-23-5	5	0.200	U	0.200	U
Chlorobenzene	108-90-7	5	0.200	U	0.200	U
Chloroethane	75-00-3	5	0.200	U	0.200	U
Chloroform	67-66-3	7	0.200	U	0.200	U
Chloromethane	74-87-3	5	0.200	U	0.200	U
cis-1,2-Dichloroethylene	156-59-2	5	0.200	U	0.200	U
cis-1,3-Dichloropropylene	10061-01-5	0.4	0.200	U	0.200	U
Cyclohexane	110-82-7	~	0.200	U	0.200	U
Dibromochloromethane	124-48-1	50	0.200	U	0.200	U
Dibromomethane	74-95-3	~	0.200	U	0.200	U
Dichlorodifluoromethane	75-71-8	5	0.200	U	0.200	U
Ethyl Benzene	100-41-4	5	0.200	U	0.200	U
Hexachlorobutadiene	87-68-3	0.5	0.200	U	0.200	U
Isopropylbenzene	98-82-8	5	0.200	U	0.200	U
Methyl acetate	79-20-9	~	0.200	U	0.200	U
Methyl tert-butyl ether (MTBE)	1634-04-4	10	1.600		0.200	U
Methylcyclohexane	108-87-2	~	0.200	U	0.200	U
Methylene chloride	75-09-2	5	1	U	1	U
n-Butylbenzene	104-51-8	5	0.200	U	0.200	U
n-Propylbenzene	103-65-1	5	0.200	U	0.200	U
o-Xylene	95-47-6	5	0.200	U	0.200	U
p- & m- Xylenes	179601-23-1	5	0.500	U	0.500	U
p-Isopropyltoluene	99-87-6	5	0.200	U	0.200	U
sec-Butylbenzene	135-98-8	5	0.200	U	0.200	U
Styrene	100-42-5	5	0.200	U	0.200	U
tert-Butyl alcohol (TBA)	75-65-0	~	0.500	U	0.500	U
tert-Butylbenzene	98-06-6	5	0.200	U	0.200	U
Tetrachloroethylene	127-18-4	5	0.200	U	0.590	
Toluene	108-88-3	5	0.200	U	0.200	U
trans-1,2-Dichloroethylene	156-60-5	5	0.200	U	0.200	U
trans-1,3-Dichloropropylene	10061-02-6	0.4	0.200	U	0.200	U
trans-1,4-dichloro-2-butene	110-57-6	~	0.200	U	0.200	U
Trichloroethylene	79-01-6	5	0.200	U	0.200	U
Trichlorofluoromethane	75-69-4	5	0.200	U	0.200	U
Vinyl Chloride	75-01-4	2	0.200	U	0.200	U
Xylenes, Total	1330-20-7	5	0.600	U	0.600	U

Table 2. Groundwater Analytical Results Summary
Phase II Environmental Site Investigation
1288 Willoughby Avenue, 1282, 1282, 1292, and 1294 Willoughby Avenue and
373 Suydam Street, Brooklyn, New York 11237

	Sample ID York ID Sampling Date Client Matrix	NYSDEC TOGS Standards and Guidance Values - GA	GW-1 20H1164-01 8/28/2020 11:40:00 AM Water		GW-2 20H1164-02 8/28/2020 2:40:00 PM Water	
Compound	**CAS Number**		Result	Q	Result	Q
Semi-Volatiles, 8270 Base/Neutrals		µg/L	µg/L		µg/L	
Dilution Factor			1		1	
1,2,4-Trichlorobenzene	120-82-1	5	2.670	U	2.740	U
1,2-Dichlorobenzene	95-50-1	3	2.690	U	2.770	U
1,3-Dichlorobenzene	541-73-1	3	2.820	U	2.900	U
1,4-Dichlorobenzene	106-46-7	3	2.390	U	2.460	U
2,4-Dinitrotoluene	121-14-2	5	1.740	U	1.790	U
2,6-Dinitrotoluene	606-20-2	5	1.740	U	1.790	U
2-Chloronaphthalene	91-58-7	10	2.380	U	2.440	U
2-Methylnaphthalene	91-57-6	~	2.980	U	3.070	U
2-Nitroaniline	88-74-4	5	1.820	U	1.870	U
3,3-Dichlorobenzidine	91-94-1	5	1.370	U	1.410	U
3-Nitroaniline	99-09-2	5	1.820	U	1.870	U
4-Bromophenyl phenyl ether	101-55-3	~	1.440	U	1.480	U
4-Chloroaniline	106-47-8	5	3.220	U	3.310	U
4-Chlorophenyl phenyl ether	7005-72-3	~	2.650	U	2.720	U
4-Nitroaniline	100-01-6	5	2.900	U	2.980	U
Acenaphthene	83-32-9	20	0.0541	U	0.0556	U
Acenaphthylene	208-96-8	~	0.0541	U	0.0556	U
Aniline	62-53-3	5	1.620	U	1.670	U
Anthracene	120-12-7	50	0.0541	U	0.0556	U
Benzo(a)anthracene	56-55-3	0.002	0.0541	U	0.0556	U
Benzo(a)pyrene	50-32-8	0.002	0.0541	U	0.0556	U
Benzo(b)fluoranthene	205-99-2	0.002	0.0541	U	0.0556	U
Benzo(g,h,i)perylene	191-24-2	~	0.0541	U	0.0556	U
Benzo(k)fluoranthene	207-08-9	0.002	0.0541	U	0.0556	U
Benzyl butyl phthalate	85-68-7	50	0.921	U	0.947	U
Bis(2-chloroethoxy)methane	111-91-1	5	1.910	U	1.970	U
Bis(2-chloroethyl)ether	111-44-4	1	1.620	U	1.670	U
Bis(2-chloroisopropyl)ether	108-60-1	5	3.230	U	3.320	U
Bis(2-ethylhexyl)phthalate	117-81-7	5	0.541	U	0.556	U
Carbazole	86-74-8	~	1.420	U	1.460	U
Chrysene	218-01-9	0.002	0.0541	U	0.0556	U
Dibenzo(a,h)anthracene	53-70-3	~	0.0541	U	0.0556	U
Dibenzofuran	132-64-9	~	2.610	U	2.680	U
Diethyl phthalate	84-66-2	50	2.770	U	3.830	J
Dimethyl phthalate	131-11-3	50	2.060	U	2.120	U
Di-n-butyl phthalate	84-74-2	50	2.220	U	2.280	U
Di-n-octyl phthalate	117-84-0	50	1.210	U	1.240	U
Fluoranthene	206-44-0	50	0.0541	U	0.0556	U
Fluorene	86-73-7	50	0.0541	U	0.0556	U
Hexachlorobenzene	118-74-1	0.04	0.0216	U	0.0222	U
Hexachlorobutadiene	87-68-3	0.5	0.541	U	0.556	U
Hexachlorocyclopentadiene	77-47-4	5	2.740	U	2.810	U
Hexachloroethane	67-72-1	5	0.541	U	0.556	U
Indeno(1,2,3-cd)pyrene	193-39-5	0.002	0.0541	U	0.0556	U
Isophorone	78-59-1	50	2.900	U	2.980	U
Naphthalene	91-20-3	10	0.0541	U	0.0556	U
Nitrobenzene	98-95-3	0.4	0.270	U	0.278	U
N-Nitrosodimethylamine	62-75-9	~	0.541	U	0.556	U
N-nitroso-di-n-propylamine	621-64-7	~	2.770	U	2.840	U
N-Nitrosodiphenylamine	86-30-6	50	5.410	U	5.560	U
Phenanthrene	85-01-8	50	0.0541	U	0.0556	U
Pyrene	129-00-0	50	0.0541	U	0.0556	U
Pyridine	110-86-1	50	4.230	U	4.340	U
Metals, Target Analyte, ICP		µg/L	µg/L		µg/L	
Dilution Factor			1		1	
Aluminum	7429-90-5	~	3,460		44,200	
Barium	7440-39-3	1000	606		875	
Calcium	7440-70-2	~	127,000		136,000	
Chromium	7440-47-3	50	**387**		**129**	
Cobalt	7440-48-4	~	15.900		109	
Copper	7440-50-8	200	54.300		**249**	
Iron	7439-89-6	~	11,000		78,700	
Lead	7439-92-1	25	12.400		**127**	
Magnesium	7439-95-4	35000	33,000		33,200	
Manganese	7439-96-5	300	**4,460**		**11,300**	
Nickel	7440-02-0	100	**2,440**		**301**	
Potassium	7440-09-7	~	10,600		15,000	
Silver	7440-22-4	50	5.560	U	5.560	U
Sodium	7440-23-5	20000	**169,000**		**193,000**	
Vanadium	7440-62-2	~	11.100	U	78.500	
Zinc	7440-66-6	2000	55.100		157	

Table 2. Groundwater Analytical Results Summary
Phase II Environmental Site Investigation
1288 Willoughby Avenue, 1282, 1282, 1292, and 1294 Willoughby Avenue and
373 Suydam Street, Brooklyn, New York 11237

	Sample ID York ID Sampling Date Client Matrix	NYSDEC TOGS Standards and Guidance Values - GA	GW-1 20H1164-01 8/28/2020 11:40:00 AM Water		GW-2 20H1164-02 8/28/2020 2:40:00 PM Water	
Compound	**CAS Number**		Result	Q	Result	Q
Metals, Target Analyte, ICP Dissolved		µg/L	µg/L		µg/L	
Dilution Factor			1		1	
Aluminum	7429-90-5	~	55.600	U	55.600	U
Barium	7440-39-3	1000	138		34.500	
Calcium	7440-70-2	~	125,000		96,900	
Chromium	7440-47-3	50	5.560	U	5.560	U
Cobalt	7440-48-4	~	7.770		4.440	U
Copper	7440-50-8	200	22.200	U	22.200	U
Iron	7439-89-6	~	278	U	278	U
Lead	7439-92-1	25	5.560	U	5.560	U
Magnesium	7439-95-4	35000	31,800		19,100	
Manganese	7439-96-5	300	**3,700**		**455**	
Nickel	7440-02-0	100	**338**		11.100	U
Potassium	7440-09-7	~	10,200		8,190	
Silver	7440-22-4	50	5.560	U	5.560	U
Sodium	7440-23-5	20000	**165,000**		**192,000**	
Vanadium	7440-62-2	~	11.100	U	11.100	U
Zinc	7440-66-6	2000	27.800	U	27.800	U
Metals, Target Analyte, ICPMS		µg/L	µg/L		µg/L	
Dilution Factor			1		1	
Antimony	7440-36-0	3	1.110	U	1.110	U
Arsenic	7440-38-2	25	2.470		14.600	
Beryllium	7440-41-7	3	0.333	U	0.829	
Cadmium	7440-43-9	5	0.556	U	0.666	
Selenium	7782-49-2	10	1.430		1.110	U
Thallium	7440-28-0	~	1.110	U	1.110	U
Metals, Target Analyte, ICPMS Dissolved		µg/L	µg/L		µg/L	
Dilution Factor			1		1	
Antimony	7440-36-0	3	1.110	U	1.110	U
Arsenic	7440-38-2	25	1.110	U	1.110	U
Beryllium	7440-41-7	3	0.333	U	0.333	U
Cadmium	7440-43-9	5	0.556	U	0.556	U
Selenium	7782-49-2	10	1.110	U	2.260	
Thallium	7440-28-0	~	1.110	U	1.110	U
Mercury by 7473		µg/L	µg/L		µg/L	
Dilution Factor			1		1	
Mercury	7439-97-6	0.7	0.200	U	0.200	U
Mercury by 7473, Dissolved		µg/L	µg/L		µg/L	
Dilution Factor			1		1	
Mercury	7439-97-6	0.7	0.200	U	0.200	U

NOTES:
Any Regulatory Exceedences are color coded by Regulation
NYSDEC TOGS=New York State Department of Conservation Technical and Operational Guidance Series
µg/L=micrograms per liter
Q is the Qualifier Column with definitions as follows:
D=result is from an analysis that required a dilution
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
U=analyte not detected at or above the level indicated
B=analyte found in the analysis batch blank
E=result is estimated and cannot be accurately reported due to levels encountered or interferences
P=this flag is used for pesticide and PCB (Aroclor) target compounds when there is a % difference for detected concentrations that exceed method dictated limits between the two GC columns used for analysis
NT=this indicates the analyte was not a target for this sample
~=this indicates that no regulatory limit has been established for this analyte

Table 3. Soil Vapor Analytical Data Results Summary
Phase II Environmental Site Investigation
1288 Willoughby Avenue, 1282, 1282, 1292, and 1294 Willoughby Avenue and
373 Suydam Street, Brooklyn, New York 11237

Sample ID		SV-1		SV-2		SV-3	
York ID		20H1167-01		20H1167-02		20H1167-03	
Sampling Date		8/28/2020 12:00:00 AM		8/28/2020 12:05:00 PM		8/28/2020 12:18:00 PM	
Client Matrix		Soil Vapor		Soil Vapor		Soil Vapor	
Compound	**CAS Number**	Result	Q	Result	Q	Result	Q
Volatile Organics, EPA TO15 Full List		µg/m^3		µg/m^3		µg/m^3	
Dilution Factor		1.606		14.94		1.581	
1,1,1,2-Tetrachloroethane	630-20-6	1.10	U	4.1	U	1.1	U
1,1,1-Trichloroethane	71-55-6	**20**	D	**130**	D	0.86	U
1,1,2,2-Tetrachloroethane	79-34-5	1.1	U	4.1	U	1.1	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 11	76-13-1	1.2	U	4.6	U	1.2	U
1,1,2-Trichloroethane	79-00-5	0.88	U	3.3	U	0.86	U
1,1-Dichloroethane	75-34-3	**150**	D	**52**	D	0.64	U
1,1-Dichloroethylene	75-35-4	**0.64**	D	0.59	U	0.16	U
1,2,4-Trichlorobenzene	120-82-1	1.2	U	4.4	U	1.2	U
1,2,4-Trimethylbenzene	95-63-6	**3.7**	D	**26**	D	**2.1**	D
1,2-Dibromoethane	106-93-4	1.2	U	4.6	U	1.2	U
1,2-Dichlorobenzene	95-50-1	0.97	U	3.6	U	0.95	U
1,2-Dichloroethane	107-06-2	0.65	U	2.4	U	0.64	U
1,2-Dichloropropane	78-87-5	0.74	U	2.8	U	0.73	U
1,2-Dichlorotetrafluoroethane	76-14-2	1.1	U	4.2	U	1.1	U
1,3,5-Trimethylbenzene	108-67-8	**1.5**	D	**9.1**	D	**0.85**	D
1,3-Butadiene	106-99-0	8.8	D	4	U	1	U
1,3-Dichlorobenzene	541-73-1	0.97	U	4	U	0.95	U
1,3-Dichloropropane	142-28-9	0.74	U	3	U	0.73	U
1,4-Dichlorobenzene	106-46-7	**0.97**	U	4	U	0.95	U
1,4-Dioxane	123-91-1	1.2	U	9.9	D	1.1	U
2-Butanone	78-93-3	**7.9**	D	**100**	D	**4.7**	D
2-Hexanone	591-78-6	1.3	U	6.6	D	1.3	U
3-Chloropropene	107-05-1	2.5	U	9.4	U	2.5	U
4-Methyl-2-pentanone	108-10-1	**5.4**	D	**430**	D	**6.3**	D
Acetone	67-64-1	**75**	D	**370**	D	**32**	D
Acrylonitrile	107-13-1	0.94	D	1.3	D	0.45	D
Benzene	71-43-2	**8.7**	D	**21**	D	**4.2**	D
Benzyl chloride	100-44-7	0.83	U	3.1	U	0.82	U
Bromodichloromethane	75-27-4	1.1	D	4	J	1.1	U
Bromoform	75-25-2	1.7	U	6.2	U	1.6	U
Bromomethane	74-83-9	0.62	U	2.3	U	0.61	U
Carbon disulfide	75-15-0	34	D	15	D	5.3	D
Carbon tetrachloride	56-23-5	**1.5**	D	**2.6**	D	**0.6**	D
Chlorobenzene	108-90-7	0.74	U	2.8	U	0.73	U
Chloroethane	75-00-3	**4.1**	D	1.6	U	0.42	U
Chloroform	67-66-3	**77**	D	**240**	D	**7.2**	D
Chloromethane	74-87-3	**1.7**	D	**3.9**	D	**1**	D
cis-1,2-Dichloroethylene	156-59-2	0.16	U	0.59	U	0.16	U
cis-1,3-Dichloropropylene	10061-01-5	0.73	U	2.7	U	0.72	U
Cyclohexane	110-82-7	**28**	D	**19**	D	**7**	D
Dibromochloromethane	124-48-1	1.4	U	5.1	U	1.3	U
Dichlorodifluoromethane	75-71-8	0.79	U	3	U	0.78	U
Ethyl acetate	141-78-6	1.2	U	4.3	U	1.1	U
Ethyl Benzene	100-41-4	**4.3**	D	**25**	D	**3.2**	D
Hexachlorobutadiene	87-68-3	1.7	U	6.4	U	1.7	U
Isopropanol	67-63-0	7.6	D	400	D	65	D
Methyl Methacrylate	80-62-6	0.66	U	2.4	U	0.65	U
Methyl tert-butyl ether (MTBE)	1634-04-4	0.58	U	2.2	U	0.57	U
Methylene chloride	75-09-2	**4.4**	D	**16**	D	1.1	U
n-Heptane	142-82-5	**11**	D	**40**	D	**20**	D
n-Hexane	110-54-3	**25**	D	**280**	D	**37**	D
o-Xylene	95-47-6	**5**	D	**28**	D	**2.3**	D
p- & m- Xylenes	179601-23-1	**14**	D	**77**	D	**6.9**	D
p-Ethyltoluene	622-96-8	4.2	D	28	D	1.8	D
Propylene	115-07-1	71	D	1	U	0.27	U
Styrene	100-42-5	**1.6**	D	**7.9**	D	**1.1**	D
Tetrachloroethylene	127-18-4	**4.1**	D	**60**	D	**48**	D
Tetrahydrofuran	109-99-9	**0.95**	J	3.5	U	0.93	U
Toluene	108-88-3	**22**	D	**220**	D	**14**	D
trans-1,2-Dichloroethylene	156-60-5	0.64	U	2.4	U	0.63	U
trans-1,3-Dichloropropylene	10061-02-6	0.73	U	2.7	U	0.72	U
Trichloroethylene	79-01-6	**91**	D	**7.4**	D	**12**	D
Trichlorofluoromethane (Freon 11)	75-69-4	**1.8**	D	**7.7**	D	**1.9**	D
Vinyl acetate	108-05-4	0.57	U	2.1	U	0.56	U
Vinyl bromide	593-60-2	0.7	U	2.6	U	0.69	U
Vinyl Chloride	75-01-4	0.21	U	0.76	U	0.2	U

NOTES:
Any Regulatory Exceedences are color coded by Regulation
µg/m^3=micrograms per cubic meter
Q is the Qualifier Column with definitions as follows:
D=result is from an analysis that required a dilution
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
U=analyte not detected at or above the level indicated
B=analyte found in the analysis batch blank
E=result is estimated and cannot be accurately reported due to levels encountered or interferences
P=this flag is used for pesticide and PCB (Aroclor) target compounds when there is a % difference for detected concentrations that exceed method dictated limits between the two GC columns used for analysis
NT=this indicates the analyte was not a target for this sample
~=this indicates that no regulatory limit has been established for this analyte

Attachment 1

GEI Consultants

EXPLORATION LOG

SOIL BORING (SB-1)

Boring/Well ID:	SB-1	**Client:**	Isaac Litchfield
Project Number:	2003975	**Project Name:**	Phase II Environmental Site Assessment
Logged By:	B. Fitchett	**Site Address:**	1288 Willoughby Avenue
Date:	8/28/2020	**Contractor:**	Tri State Drilling Technologies, Inc.
Total Depth (feet):	4.0	**Driller:**	Paul Recchia
Drill Type:	54LT	**Drilling Method:**	Direct Push
Elevation (Ground):	N/A	**Total Depth (feet):**	4

Depth (feet)	Sample Identification	Depth Interval (feet)	Sample Interval (feet)	Penetration (inches)	Recovery (inches)	PID Jar HS (PPM)	Sample Description
1	S1	0-4	SB-1 (0-4)	48	10	0.0	0-10": SM - SILTY SAND Dark brown fine-grained sand (65%) with silt (30%) and gravel (5% subrounded up to 0.1") Brick fragments observed.
2							
3							
4							

End of Boring (refusal) - 4 Feet Below Grade

GEI Consultants

EXPLORATION LOG

SOIL BORING (SB-2)

Boring/Well ID:	SB-2	**Client:**	Isaac Litchfield
Project Number:	2003975	**Project Name:**	Phase II Environmental Site Assessment
Logged By:	B. Fitchett	**Site Address:**	1288 Willoughby Avenue
Date:	8/28/2020	**Contractor:**	Tri State Drilling Technologies, Inc.
Total Depth (feet):	13.0	**Driller:**	Paul Recchia
Drill Type:	54LT	**Drilling Method:**	Geoprobe Direct Push
Elevation (Ground):	N/A	**Total Depth (feet):**	13

Depth (feet)	Sample Identification	Depth Interval (feet)	Sample Interval (feet)	Penetration (inches)	Recovery (inches)	PID Jar HS (PPM)	Sample Description
1–4	S1	0-4	SB-2 (1-3)	48	35	0.0	0-6": SM - SILTY SAND Dark green and brown fine-grained sand (65%) and silt (35%) 6"-10" ML - SILT Gray silt (100%) 10"-35" SP - NARROWLY GRADED SAND Dark brown/black fine-grained sand (90%) with brick fragments and gravel (10% up to 1" subangular)
5–8	S2	4-8	NA	48	40	0.0	0"-6": ML - SANDY SILT Dark brown/black silt (70%) with fine-grained sand (30%) 6"-12": ASPHALT Black asphalt/coal ash 12"-36": SM - SILTY SAND Dark brown fine-grained sand (65%) with silt (35%) with brick fragments 36"-40": ML - SILT Gray silt (100%)
9–12	S3	8-12	NA	48	36	0.0	0"-6": ML - SANDY SILT Light brown silt (70%) with fine-grained sand (30%) 6"-36": SM - SILTY SAND Light brown fine-grained sand (65%) with silt (30%) and gravel (5%, subrounded up to 0.25")
13	S4	12-13	NA	12	12	0.0	0"-12": SM - SILTY SAND Light brown fine-grained sand (65%) with silt (30%) and gravel (5%, subrounded up to 0.25")

End of Boring - Refusal at 13 Feet Below Grade

GEI Consultants

EXPLORATION LOG

SOIL BORING (SB-3)

Boring/Well ID:	SB-3	**Client:**	Isaac Litchfield
Project Number:	2003975	**Project Name:**	Phase II Environmental Site Assessment
Logged By:	B. Fitchett	**Site Address:**	1288 Willoughby Avenue
Date:	8/28/2020	**Contractor:**	Tri State Drilling Technologies, Inc.
Total Depth (feet):	4.0	**Driller:**	Paul Recchia
Drill Type:	54LT	**Drilling Method:**	Direct Push
Elevation (Ground):	N/A	**Total Depth (feet):**	4

Depth (feet)	Sample Identification	Depth Interval (feet)	Sample Interval (feet)	Penetration (inches)	Recovery (inches)	PID Jar HS / Remarks	Sample Description
1 2 3 4	S1	0-4	SB-3 (0-4)	48	24	0.0	0-4": Concrete Slab 4"-8": SM - SILTY SAND Dark brown fine-grained sand (65%) with silt (25%) and gravel (10%, angular up to 0.5") and brick fragments 8"-10": Concrete 10"-24": SM - SILTY SAND Dark brown fine-grained sand (65%) with silt (25%) and gravel (10%, angular up to 0.5") and brick fragments

End of Boring (refusal) - 4 Feet Below Grade

GEI Consultants

EXPLORATION LOG

SOIL BORING (SB-4)

Boring/Well ID:	SB-4	**Client:**	Isaac Litchfield
Project Number:	2003975	**Project Name:**	Phase II Environmental Site Assessment
Logged By:	B. Fitchett	**Site Address:**	1288 Willoughby Avenue
Date:	8/28/2020	**Contractor:**	Tri State Drilling Technologies, Inc.
Total Depth (feet):	35.0	**Driller:**	Paul Recchia
Drill Type:	54LT	**Drilling Method:**	Geoprobe Direct Push
Elevation (Ground):	N/A	**Total Depth (feet):**	35

Depth (feet)	Sample Identification	Depth Interval (feet)	Sample Interval (feet)	Penetration (inches)	Recovery (inches)	PID Jar HS (PPM)	Sample Description
1–4	S1	0-4	NA	48	40	0.0	0-4": SM - SILTY SAND Dark brown fine-grained sand (65%) and silt (30%) and gravel (5%, rounded up to 0.25") 4"-12": ASPHALT Black asphalt/coal ash 12"-28" SM - SILTY SAND Light brown fine-grained sand (65%) and silt (30%) and gravel (5%, rounded up to 0.25")
5–8	S2	4-8	NA	48	40	0.0	0"-20": SP - NARROWLY GRADED SAND Dark brown/black fine-grained sand (100%) with brick and asphalt fragments 20"-40": ML - SANDY SILT Dark brown/black silt (65%) with sand (30%) and gravel (5%, rounded up to 0.25")
9–12	S3	8-12	NA	48	40	0.0	0"-40": SM - SILTY SAND Dark brown fine-grained sand (65%) with silt (35%)
13–16	S4	12-16	SB-4 (12-16)	48	20	0.0	0"-20": SP - NARROWLY GRADED SAND Dark brown fine-grained sand (100%)

End of continuous sampling - Soil Boring extended to 35 feet below grade and groundwater sample GW-1 collected

GEI Consultants

EXPLORATION LOG

SOIL BORING (SB-5)

Boring/Well ID:	SB-5	**Client:**	Isaac Litchfield
Project Number:	2003975	**Project Name:**	Phase II Environmental Site Assessment
Logged By:	B. Fitchett	**Site Address:**	1288 Willoughby Avenue
Date:	8/28/2020	**Contractor:**	Tri State Drilling Technologies, Inc.
Total Depth (feet):	16.0	**Driller:**	Paul Recchia
Drill Type:	54LT	**Drilling Method:**	Geoprobe Direct Push
Elevation (Ground):	N/A	**Total Depth (feet):**	16

Depth (feet)	Sample Identification	Depth Interval (feet)	Sample Interval (feet)	Penetration (inches)	Recovery (inches)	PID Jar HS (PPM)	Sample Description
1–4	S1	0-4	NA	48	24	0.0	0-4": Concrete 4"-24": SM - SILTY SAND Dark brown fine-grained sand (65%) with silt (30%) and gravel (5%, rounded up to 0.5")
5–8	S2	4-8	NA	48	30	0.0	0"-30": SM - SILTY SAND Dark brown fine-grained sand (65%) with silt (30%) and gravel (5%, rounded up to 0.5") Brick fragments encountered
9–12	S3	8-12	NA	48	30	0.0	0"-30": ML - SANDY SILT Dark brown silt (65%) with fine-grained sand (35%)
13–16	S4	12-16	SB-5 (12-16)	48	40	0.0	0"-15": SM - SILTY SAND Dark brown fine-grained sand (65%) with silt (35%) 15"-30" - SP - NARROWLY GRADED SAND Black fine-grained sand with asphalt and brick fragments 30"-40": SM - SILTY SAND Dark brown fine-grained sand (65%) with silt (35%)

End of boring - 16 feet below grade

GEI Consultants

EXPLORATION LOG

SOIL BORING (SB-6)

Boring/Well ID:	SB-6	**Client:**	Isaac Litchfield
Project Number:	2003975	**Project Name:**	Phase II Environmental Site Assessment
Logged By:	B. Fitchett	**Site Address:**	373 Suydam Street
Date:	8/28/2020	**Contractor:**	Tri State Drilling Technologies, Inc.
Total Depth (feet):	12.0	**Driller:**	Paul Recchia
Drill Type:	54LT	**Drilling Method:**	Geoprobe Direct Push
Elevation (Ground):	N/A	**Total Depth (feet):**	12

Depth (feet)	Sample Identification	Depth Interval (feet)	Sample Interval (feet)	Penetration (inches)	Recovery (inches)	PID Jar HS (PPM)	Sample Description
1	S1	0-4	SB-6 (0-1)	48	30	70	0-12": SM - SILTY SAND Dark brown/black fine-grained sand (65%) with silt (35%) Strong fuel oil odor
2						0.0	12"-30": SM - SILTY SAND Dark brown fine-grained sand (65%) with silt (30%) and gravel (5%, rounded up to 0.5")
3							
4						0.0	
5	S2	4-8	NA	48	36	0.0	0"-36": SM - SILTY SAND Dark brown fine-grained sand (65%) with silt (30%) and gravel (5%, rounded up to 0.5")
6							
7							
8							
9	S3	8-12	NA	48	30	0.0	0"-24": SM - SILTY SAND Dark brown fine-grained sand (65%) with silt (30%) and gravel (5%, rounded up to 0.5") 24"-30": SM - SILTY SAND
10							Dark brown fine-grained sand (55%) with silt (40%) and gravel (5%, rounded up to 0.5")
11							
12							

End of boring - 12 feet below grade

GEI Consultants

EXPLORATION LOG

SOIL BORING (SB-7)

Boring/Well ID:	SB-7	**Client:**	Isaac Litchfield
Project Number:	2003975	**Project Name:**	Phase II Environmental Site Assessment
Logged By:	B. Fitchett	**Site Address:**	1288 Willoughby Avenue
Date:	8/28/2020	**Contractor:**	Tri State Drilling Technologies, Inc.
Total Depth (feet):	16.0	**Driller:**	Paul Recchia
Drill Type:	54LT	**Drilling Method:**	Geoprobe Direct Push
Elevation (Ground):	N/A	**Total Depth (feet):**	16

Depth (feet)	Sample Identification	Depth Interval (feet)	Sample Interval (feet)	Penetration (inches)	Recovery (inches)	PID Jar HS (PPM)	Sample Description
1	S1	0-4	NA	48	38	1.8	0-4": Asphalt 4"-34": SM - SILTY SAND Dark brown fine-grained sand (65%) with silt (30%) and gravel (5%, rounded up to 0.5")
2							
3						122.5	
4						35	
5	S2	4-8		48	30	234	0"-30": SM - SILTY SAND Dark brown fine-grained sand (65%) with silt (30%) and gravel (5%, rounded up to 0.5") Strong fuel oil odor
6						337	
7			SB-7 (7-9)			326	
8						377 440	
9	S3	8-12		48	30	320	0"-30": SM - SILTY SAND Dark brown fine-grained sand (65%) with silt (30%) and gravel (5%, rounded up to 0.5") Strong fuel oil odor, wood and brick fragments encountered
10						300	
11							
12						205	
13	S4	12-16	NA	48	48	135	0"-12": ML - SILT Dark brown silt (100%), moderate fuel oil odor 12"-48" SP - NARROWLY GRADED SAND Light brown fine-grained sand
14						27.8	
15						0.0	
16						0.0	

End of continuous sampling - Soil Boring extended to 31 feet below grade and groundwater sample GW-2 collected

GEI Consultants

EXPLORATION LOG

SOIL BORING (SB-8)

Boring/Well ID:	SB-8	**Client:**	Isaac Litchfield
Project Number:	2003975	**Project Name:**	Phase II Environmental Site Assessment
Logged By:	B. Fitchett	**Site Address:**	1288 Willoughby Avenue
Date:	8/28/2020	**Contractor:**	Tri State Drilling Technologies, Inc.
Total Depth (feet):	16.0	**Driller:**	Paul Recchia
Drill Type:	54LT	**Drilling Method:**	Geoprobe Direct Push
Elevation (Ground):	N/A	**Total Depth (feet):**	16

Depth (feet)	Sample Identification	Depth Interval (feet)	Sample Interval (feet)	Penetration (inches)	Recovery (inches)	PID Jar HS (PPM)	Sample Description
1	S1	0-4	NA	48	40	0	0"-40": SM - SILTY SAND Dark brown fine-grained sand (65%) with silt (30%) and gravel (5%, subangular up to 0.5") Moderate fuel oil odor
2						25	
3						35	
4						129	
5	S2	4-8	NA	48	24	313	0"-24": SM - SILTY SAND Dark brown fine-grained sand (65%) with silt (30%) and gravel (5%, subangular up to 0.5") Moderate fuel oil odor, wood and brick fragments encountered
6						87	
7						18	
8						35	
9	S3	8-12	SB-8 (8-11)	48	44	320	0"-30": SM - SILTY SAND Black fine-grained sand (65%) with silt (30%) and gravel (5%, rounded up to 0.5") Strong fuel oil odor, wood and brick fragments encountered
10						300	
11							
12						205	
13	S4	12-16	NA	48	48	135	0"-12": ML - SILT Dark brown silt (100%), moderate fuel oil odor
14						27.8	
15						0.0	12"-48" SP - NARROWLY GRADED SAND Light brown fine-grained sand
16						0.0	

End of boring - 16 feet below grade

Attachment 2

Technical Report

prepared for:

GEI Consultants, Inc
1000 New York Ave
Huntington Station NY, 11746
Attention: Rich Fasciani

Report Date: 09/14/2020
Client Project ID: 2003975 1288 Willoughby
York Project (SDG) No.: 20H1163

Revision No. 1.0

Report Date: 09/14/2020
Client Project ID: 2003975 1288 Willoughby
York Project (SDG) No.: 20H1163

GEI Consultants, Inc
1000 New York Ave
Huntington Station NY, 11746
Attention: Rich Fasciani

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 August 28, 2020 with a temperature of 1.3 C. The project was identified as your project: **2003975 1288 Willoughby**.

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.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
20H1163-01	SB-1 0'-4'	Soil	08/28/2020	08/28/2020
20H1163-02	SB-2 1'-3'	Soil	08/28/2020	08/28/2020
20H1163-03	SB-3 0'-4'	Soil	08/28/2020	08/28/2020
20H1163-04	SB-4 12'-16'	Soil	08/28/2020	08/28/2020
20H1163-05	SB-5 12'-16'	Soil	08/28/2020	08/28/2020
20H1163-06	SB-6 1'-2'	Soil	08/28/2020	08/28/2020
20H1163-07	SB-7 7'-9'	Soil	08/28/2020	08/28/2020
20H1163-08	SB-8 8'-11'	Soil	08/28/2020	08/28/2020

General Notes for York Project (SDG) No.: 20H1163

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: 09/14/2020

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: SB-1 0'-4' **York Sample ID:** 20H1163-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 9:00 am	08/28/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	3.4	6.8	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	3.4	6.8	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	3.4	6.8	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	3.4	6.8	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	3.4	6.8	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	3.4	6.8	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.4	6.8	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	3.4	6.8	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:16	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	3.4	6.8	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:16	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	3.4	6.8	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:16	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	3.4	6.8	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.4	6.8	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	3.4	6.8	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	3.4	6.8	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	3.4	6.8	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	3.4	6.8	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	3.4	6.8	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	3.4	6.8	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	3.4	6.8	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
123-91-1	1,4-Dioxane	ND		ug/kg dry	68	140	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:16	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
78-93-3	**2-Butanone**	**8.6**		ug/kg dry	3.4	6.8	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		

Sample Information

Client Sample ID: SB-1 0'-4' **York Sample ID:** 20H1163-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 9:00 am	08/28/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/kg dry	3.4	6.8	1	EPA 8260C Certifications:	08/29/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/29/2020 12:16	SS
108-10-1	**4-Methyl-2-pentanone**	**39**		ug/kg dry	3.4	6.8	1	EPA 8260C Certifications:	08/29/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/29/2020 12:16	SS
67-64-1	**Acetone**	**43**		ug/kg dry	6.8	14	1	EPA 8260C Certifications:	08/29/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/29/2020 12:16	SS
107-02-8	Acrolein	ND		ug/kg dry	6.8	14	1	EPA 8260C Certifications:	08/29/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/29/2020 12:16	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	3.4	6.8	1	EPA 8260C Certifications:	08/29/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/29/2020 12:16	SS
71-43-2	Benzene	ND		ug/kg dry	3.4	6.8	1	EPA 8260C Certifications:	08/29/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/29/2020 12:16	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.4	6.8	1	EPA 8260C Certifications:	08/29/2020 09:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	08/29/2020 12:16	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	3.4	6.8	1	EPA 8260C Certifications:	08/29/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/29/2020 12:16	SS
75-25-2	Bromoform	ND		ug/kg dry	3.4	6.8	1	EPA 8260C Certifications:	08/29/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/29/2020 12:16	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.4	6.8	1	EPA 8260C Certifications:	08/29/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/29/2020 12:16	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	3.4	6.8	1	EPA 8260C Certifications:	08/29/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/29/2020 12:16	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	3.4	6.8	1	EPA 8260C Certifications:	08/29/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/29/2020 12:16	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	3.4	6.8	1	EPA 8260C Certifications:	08/29/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/29/2020 12:16	SS
75-00-3	Chloroethane	ND		ug/kg dry	3.4	6.8	1	EPA 8260C Certifications:	08/29/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/29/2020 12:16	SS
67-66-3	Chloroform	ND		ug/kg dry	3.4	6.8	1	EPA 8260C Certifications:	08/29/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/29/2020 12:16	SS
74-87-3	Chloromethane	ND		ug/kg dry	3.4	6.8	1	EPA 8260C Certifications:	08/29/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/29/2020 12:16	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	3.4	6.8	1	EPA 8260C Certifications:	08/29/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/29/2020 12:16	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	3.4	6.8	1	EPA 8260C Certifications:	08/29/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/29/2020 12:16	SS
110-82-7	Cyclohexane	ND		ug/kg dry	3.4	6.8	1	EPA 8260C Certifications:	08/29/2020 09:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	08/29/2020 12:16	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	3.4	6.8	1	EPA 8260C Certifications:	08/29/2020 09:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	08/29/2020 12:16	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.4	6.8	1	EPA 8260C Certifications:	08/29/2020 09:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	08/29/2020 12:16	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	3.4	6.8	1	EPA 8260C Certifications:	08/29/2020 09:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	08/29/2020 12:16	SS

Sample Information

Client Sample ID: SB-1 0'-4' **York Sample ID:** 20H1163-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 9:00 am	08/28/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/kg dry	3.4	6.8	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	3.4	6.8	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:16	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
98-82-8	Isopropylbenzene	ND		ug/kg dry	3.4	6.8	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
79-20-9	Methyl acetate	ND		ug/kg dry	3.4	6.8	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:16	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	3.4	6.8	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
108-87-2	Methylcyclohexane	ND		ug/kg dry	3.4	6.8	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:16	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-09-2	Methylene chloride	ND		ug/kg dry	6.8	14	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
104-51-8	n-Butylbenzene	ND		ug/kg dry	3.4	6.8	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
103-65-1	n-Propylbenzene	ND		ug/kg dry	3.4	6.8	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
95-47-6	o-Xylene	ND		ug/kg dry	3.4	6.8	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PA		
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	6.8	14	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PA		
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	3.4	6.8	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
135-98-8	sec-Butylbenzene	ND		ug/kg dry	3.4	6.8	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
100-42-5	Styrene	ND		ug/kg dry	3.4	6.8	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	3.4	34	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:16	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
98-06-6	tert-Butylbenzene	ND		ug/kg dry	3.4	6.8	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
127-18-4	Tetrachloroethylene	ND		ug/kg dry	3.4	6.8	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
108-88-3	Toluene	ND		ug/kg dry	3.4	6.8	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	3.4	6.8	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	3.4	6.8	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	3.4	6.8	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:16	SS
								Certifications:	CTDOH		

Sample Information

Client Sample ID: SB-1 0'-4' **York Sample ID:** 20H1163-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 9:00 am	08/28/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-01-6	Trichloroethylene	ND		ug/kg dry	3.4	6.8	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	3.4	6.8	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
75-01-4	Vinyl Chloride	ND		ug/kg dry	3.4	6.8	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
1330-20-7	Xylenes, Total	ND		ug/kg dry	10	20	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*96.5 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*103 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*106 %*	*76-130*

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1200	2400	10	EPA 8270D	09/02/2020 07:24	09/02/2020 22:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1200	2400	10	EPA 8270D	09/02/2020 07:24	09/02/2020 22:25	KH
								Certifications:	NELAC-NY10854,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1200	2400	10	EPA 8270D	09/02/2020 07:24	09/02/2020 22:25	KH
								Certifications:	NELAC-NY10854,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1200	2400	10	EPA 8270D	09/02/2020 07:24	09/02/2020 22:25	KH
								Certifications:	NELAC-NY10854,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	1200	2400	10	EPA 8270D	09/02/2020 07:24	09/02/2020 22:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	1200	2400	10	EPA 8270D	09/02/2020 07:24	09/02/2020 22:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	1200	2400	10	EPA 8270D	09/02/2020 07:24	09/02/2020 22:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	1200	2400	10	EPA 8270D	09/02/2020 07:24	09/02/2020 22:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	1200	2400	10	EPA 8270D	09/02/2020 07:24	09/02/2020 22:25	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		ug/kg dry	2400	4790	10	EPA 8270D	09/02/2020 07:24	09/02/2020 22:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	1200	2400	10	EPA 8270D	09/02/2020 07:24	09/02/2020 22:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		ug/kg dry	1200	2400	10	EPA 8270D	09/02/2020 07:24	09/02/2020 22:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: **SB-1 0'-4'** **York Sample ID:** **20H1163-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 9:00 am	08/28/2020

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	1200	2400	10	EPA 8270D	09/02/2020 07:24	09/02/2020 22:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		ug/kg dry	2400	4790	10	EPA 8270D	09/02/2020 07:24	09/02/2020 22:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		ug/kg dry	1200	2400	10	EPA 8270D	09/02/2020 07:24	09/02/2020 22:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		ug/kg dry	1200	2400	10	EPA 8270D	09/02/2020 07:24	09/02/2020 22:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		ug/kg dry	4800	9600	10	EPA 8270D	09/02/2020 07:24	09/02/2020 22:25	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		ug/kg dry	1200	2400	10	EPA 8270D	09/02/2020 07:24	09/02/2020 22:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	1200	2400	10	EPA 8270D	09/02/2020 07:24	09/02/2020 22:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	1200	2400	10	EPA 8270D	09/02/2020 07:24	09/02/2020 22:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	1200	2400	10	EPA 8270D	09/02/2020 07:24	09/02/2020 22:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	1200	2400	10	EPA 8270D	09/02/2020 07:24	09/02/2020 22:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	1200	2400	10	EPA 8270D	09/02/2020 07:24	09/02/2020 22:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	1200	2400	10	EPA 8270D	09/02/2020 07:24	09/02/2020 22:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	1200	2400	10	EPA 8270D	09/02/2020 07:24	09/02/2020 22:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	1200	2400	10	EPA 8270D	09/02/2020 07:24	09/02/2020 22:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	1200	2400	10	EPA 8270D	09/02/2020 07:24	09/02/2020 22:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	**Bis(2-ethylhexyl)phthalate**	**37200**		ug/kg dry	1200	2400	10	EPA 8270D	09/02/2020 07:24	09/02/2020 22:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		ug/kg dry	1200	2400	10	EPA 8270D	09/02/2020 07:24	09/02/2020 22:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		ug/kg dry	1200	2400	10	EPA 8270D	09/02/2020 07:24	09/02/2020 22:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	1200	2400	10	EPA 8270D	09/02/2020 07:24	09/02/2020 22:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		ug/kg dry	1200	2400	10	EPA 8270D	09/02/2020 07:24	09/02/2020 22:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		ug/kg dry	1200	2400	10	EPA 8270D	09/02/2020 07:24	09/02/2020 22:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: SB-1 0'-4' **York Sample ID:** 20H1163-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 9:00 am	08/28/2020

Semi-Volatiles, 8270 Base/Neutrals **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
131-11-3	Dimethyl phthalate	ND		ug/kg dry	1200	2400	10	EPA 8270D	09/02/2020 07:24	09/02/2020 22:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	1200	2400	10	EPA 8270D	09/02/2020 07:24	09/02/2020 22:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	1200	2400	10	EPA 8270D	09/02/2020 07:24	09/02/2020 22:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		ug/kg dry	1200	2400	10	EPA 8270D	09/02/2020 07:24	09/02/2020 22:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	Fluorene	ND		ug/kg dry	1200	2400	10	EPA 8270D	09/02/2020 07:24	09/02/2020 22:25	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		ug/kg dry	1200	2400	10	EPA 8270D	09/02/2020 07:24	09/02/2020 22:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1200	2400	10	EPA 8270D	09/02/2020 07:24	09/02/2020 22:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	1200	2400	10	EPA 8270D	09/02/2020 07:24	09/02/2020 22:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		ug/kg dry	1200	2400	10	EPA 8270D	09/02/2020 07:24	09/02/2020 22:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	1200	2400	10	EPA 8270D	09/02/2020 07:24	09/02/2020 22:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		ug/kg dry	1200	2400	10	EPA 8270D	09/02/2020 07:24	09/02/2020 22:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		ug/kg dry	1200	2400	10	EPA 8270D	09/02/2020 07:24	09/02/2020 22:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		ug/kg dry	1200	2400	10	EPA 8270D	09/02/2020 07:24	09/02/2020 22:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	1200	2400	10	EPA 8270D	09/02/2020 07:24	09/02/2020 22:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	1200	2400	10	EPA 8270D	09/02/2020 07:24	09/02/2020 22:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	1200	2400	10	EPA 8270D	09/02/2020 07:24	09/02/2020 22:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		ug/kg dry	1200	2400	10	EPA 8270D	09/02/2020 07:24	09/02/2020 22:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	ND		ug/kg dry	1200	2400	10	EPA 8270D	09/02/2020 07:24	09/02/2020 22:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		ug/kg dry	4800	9600	10	EPA 8270D	09/02/2020 07:24	09/02/2020 22:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*71.0 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*66.0 %*	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*84.0 %*	*24-116*

Sample Information

Client Sample ID: **SB-1 0'-4'** **York Sample ID:** **20H1163-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 9:00 am	08/28/2020

Metals, Target Analyte **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
7429-90-5	**Aluminum**	**4320**		mg/kg dry	7.82	1	EPA 6010D Certifications:	08/31/2020 09:14 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/01/2020 15:08	KML
7440-36-0	**Antimony**	**195**		mg/kg dry	3.91	1	EPA 6010D Certifications:	08/31/2020 09:14 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/01/2020 15:08	KML
7440-38-2	**Arsenic**	**114**		mg/kg dry	2.35	1	EPA 6010D Certifications:	08/31/2020 09:14 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/01/2020 15:08	KML
7440-39-3	**Barium**	**804**		mg/kg dry	3.91	1	EPA 6010D Certifications:	08/31/2020 09:14 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/01/2020 15:08	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.078	1	EPA 6010D Certifications:	08/31/2020 09:14 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/01/2020 15:08	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.469	1	EPA 6010D Certifications:	08/31/2020 09:14 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/01/2020 15:08	KML
7440-70-2	**Calcium**	**26300**		mg/kg dry	7.82	1	EPA 6010D Certifications:	08/31/2020 09:14 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/01/2020 15:08	KML
7440-47-3	**Chromium**	**11600**		mg/kg dry	15.6	20	EPA 6010D Certifications:	08/31/2020 09:14 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2020 14:22	KML
7440-48-4	**Cobalt**	**15.6**		mg/kg dry	0.626	1	EPA 6010D Certifications:	08/31/2020 09:14 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/01/2020 15:08	KML
7440-50-8	**Copper**	**5730**		mg/kg dry	3.13	1	EPA 6010D Certifications:	08/31/2020 09:14 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/01/2020 15:08	KML
7439-89-6	**Iron**	**54200**		mg/kg dry	39.1	1	EPA 6010D Certifications:	08/31/2020 09:14 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/01/2020 15:08	KML
7439-92-1	**Lead**	**2280**	B	mg/kg dry	0.782	1	EPA 6010D Certifications:	08/31/2020 09:14 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/01/2020 15:08	KML
7439-95-4	**Magnesium**	**1560**		mg/kg dry	7.82	1	EPA 6010D Certifications:	08/31/2020 09:14 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/01/2020 15:08	KML
7439-96-5	**Manganese**	**226**		mg/kg dry	0.782	1	EPA 6010D Certifications:	08/31/2020 09:14 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/01/2020 15:08	KML
7440-02-0	**Nickel**	**46300**		mg/kg dry	31.3	20	EPA 6010D Certifications:	08/31/2020 09:14 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2020 14:22	KML
7440-09-7	**Potassium**	**421**	B	mg/kg dry	7.82	1	EPA 6010D Certifications:	08/31/2020 09:14 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/01/2020 15:08	KML
7782-49-2	Selenium	ND		mg/kg dry	3.91	1	EPA 6010D Certifications:	08/31/2020 09:14 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/01/2020 15:08	KML
7440-22-4	**Silver**	**292**		mg/kg dry	0.782	1	EPA 6010D Certifications:	08/31/2020 09:14 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/01/2020 15:08	KML
7440-23-5	**Sodium**	**2270**	B	mg/kg dry	78.2	1	EPA 6010D Certifications:	08/31/2020 09:14 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/01/2020 15:08	KML
7440-28-0	Thallium	ND		mg/kg dry	3.91	1	EPA 6010D Certifications:	08/31/2020 09:14 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/01/2020 15:08	KML
7440-62-2	Vanadium	ND		mg/kg dry	1.56	1	EPA 6010D Certifications:	08/31/2020 09:14 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/01/2020 15:08	KML
7440-66-6	**Zinc**	**867**		mg/kg dry	3.91	1	EPA 6010D Certifications:	08/31/2020 09:14 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/01/2020 15:08	KML

Sample Information

Client Sample ID: SB-1 0'-4' **York Sample ID:** 20H1163-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 9:00 am	08/28/2020

Mercury by 7473

Log-in Notes:

Sample Notes:

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**	**0.265**		mg/kg dry	0.0469	1	EPA 7473	09/02/2020 15:29	09/02/2020 20:20	MAO
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

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**	**63.9**		%	0.100	1	SM 2540G	08/31/2020 08:08	08/31/2020 17:03	SK
							Certifications: CTDOH			

Sample Information

Client Sample ID: SB-2 1'-3' **York Sample ID:** 20H1163-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 9:45 am	08/28/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI			
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP			

Sample Information

Client Sample ID: SB-2 1'-3' **York Sample ID:** 20H1163-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 9:45 am	08/28/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAL		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
123-91-1	1,4-Dioxane	ND		ug/kg dry	44	89	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAL		
78-93-3	2-Butanone	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
591-78-6	2-Hexanone	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
67-64-1	Acetone	ND		ug/kg dry	4.4	8.9	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
107-02-8	Acrolein	ND		ug/kg dry	4.4	8.9	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
107-13-1	Acrylonitrile	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
71-43-2	Benzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
74-97-5	Bromochloromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAL		
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
75-25-2	Bromoform	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		

Sample Information

Client Sample ID: SB-2 1'-3' **York Sample ID:** 20H1163-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 9:45 am	08/28/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-83-9	Bromomethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
75-15-0	Carbon disulfide	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
108-90-7	Chlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
75-00-3	Chloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
67-66-3	Chloroform	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
74-87-3	Chloromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
110-82-7	Cyclohexane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAL		
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAL		
74-95-3	Dibromomethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAL		
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAL		
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAL		
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
79-20-9	Methyl acetate	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAL		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAL		
75-09-2	Methylene chloride	ND		ug/kg dry	4.4	8.9	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		

Sample Information

Client Sample ID: SB-2 1'-3' **York Sample ID:** 20H1163-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 9:45 am	08/28/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
95-47-6	o-Xylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PA		
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.4	8.9	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PA		
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
100-42-5	Styrene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.2	22	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAL		
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
108-88-3	Toluene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications:	CTDOH		
79-01-6	Trichloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.7	13	1	EPA 8260C	08/29/2020 09:30	08/29/2020 12:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*97.7 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*104 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*107 %*	*76-130*

Sample Information

Client Sample ID: SB-2 1'-3' **York Sample ID:** 20H1163-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 9:45 am	08/28/2020

Semi-Volatiles, 8270 Base/Neutrals **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	50.5	101	2	EPA 8270D Certifications:	09/02/2020 07:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 22:54	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	50.5	101	2	EPA 8270D Certifications:	09/02/2020 07:24 NELAC-NY10854,PADEP	09/02/2020 22:54	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	50.5	101	2	EPA 8270D Certifications:	09/02/2020 07:24 NELAC-NY10854,PADEP	09/02/2020 22:54	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	50.5	101	2	EPA 8270D Certifications:	09/02/2020 07:24 NELAC-NY10854,PADEP	09/02/2020 22:54	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	50.5	101	2	EPA 8270D Certifications:	09/02/2020 07:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 22:54	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	50.5	101	2	EPA 8270D Certifications:	09/02/2020 07:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 22:54	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	50.5	101	2	EPA 8270D Certifications:	09/02/2020 07:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 22:54	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	50.5	101	2	EPA 8270D Certifications:	09/02/2020 07:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 22:54	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	50.5	101	2	EPA 8270D Certifications:	09/02/2020 07:24 NELAC-NY10854,NJDEP,PADEP	09/02/2020 22:54	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	101	201	2	EPA 8270D Certifications:	09/02/2020 07:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 22:54	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	50.5	101	2	EPA 8270D Certifications:	09/02/2020 07:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 22:54	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	50.5	101	2	EPA 8270D Certifications:	09/02/2020 07:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 22:54	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	50.5	101	2	EPA 8270D Certifications:	09/02/2020 07:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 22:54	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	101	201	2	EPA 8270D Certifications:	09/02/2020 07:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 22:54	KH
83-32-9	Acenaphthene	ND		ug/kg dry	50.5	101	2	EPA 8270D Certifications:	09/02/2020 07:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 22:54	KH
208-96-8	**Acenaphthylene**	**127**		ug/kg dry	50.5	101	2	EPA 8270D Certifications:	09/02/2020 07:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 22:54	KH
62-53-3	Aniline	ND		ug/kg dry	202	403	2	EPA 8270D Certifications:	09/02/2020 07:24 NELAC-NY10854,NJDEP,PADEP	09/02/2020 22:54	KH
120-12-7	**Anthracene**	**125**		ug/kg dry	50.5	101	2	EPA 8270D Certifications:	09/02/2020 07:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 22:54	KH
56-55-3	**Benzo(a)anthracene**	**730**		ug/kg dry	50.5	101	2	EPA 8270D Certifications:	09/02/2020 07:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 22:54	KH
50-32-8	**Benzo(a)pyrene**	**736**		ug/kg dry	50.5	101	2	EPA 8270D Certifications:	09/02/2020 07:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 22:54	KH
205-99-2	**Benzo(b)fluoranthene**	**783**		ug/kg dry	50.5	101	2	EPA 8270D Certifications:	09/02/2020 07:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 22:54	KH
191-24-2	**Benzo(g,h,i)perylene**	**573**		ug/kg dry	50.5	101	2	EPA 8270D Certifications:	09/02/2020 07:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 22:54	KH

Sample Information

Client Sample ID: SB-2 1'-3' **York Sample ID:** 20H1163-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 9:45 am	08/28/2020

Semi-Volatiles, 8270 Base/Neutrals **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
207-08-9	**Benzo(k)fluoranthene**	**730**		ug/kg dry	50.5	101	2	EPA 8270D	09/02/2020 07:24	09/02/2020 22:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	50.5	101	2	EPA 8270D	09/02/2020 07:24	09/02/2020 22:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	50.5	101	2	EPA 8270D	09/02/2020 07:24	09/02/2020 22:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	50.5	101	2	EPA 8270D	09/02/2020 07:24	09/02/2020 22:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	50.5	101	2	EPA 8270D	09/02/2020 07:24	09/02/2020 22:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	**Bis(2-ethylhexyl)phthalate**	**163**		ug/kg dry	50.5	101	2	EPA 8270D	09/02/2020 07:24	09/02/2020 22:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		ug/kg dry	50.5	101	2	EPA 8270D	09/02/2020 07:24	09/02/2020 22:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**875**		ug/kg dry	50.5	101	2	EPA 8270D	09/02/2020 07:24	09/02/2020 22:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	**Dibenzo(a,h)anthracene**	**175**		ug/kg dry	50.5	101	2	EPA 8270D	09/02/2020 07:24	09/02/2020 22:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		ug/kg dry	50.5	101	2	EPA 8270D	09/02/2020 07:24	09/02/2020 22:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		ug/kg dry	50.5	101	2	EPA 8270D	09/02/2020 07:24	09/02/2020 22:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		ug/kg dry	50.5	101	2	EPA 8270D	09/02/2020 07:24	09/02/2020 22:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	**Di-n-butyl phthalate**	**58.8**	J	ug/kg dry	50.5	101	2	EPA 8270D	09/02/2020 07:24	09/02/2020 22:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	50.5	101	2	EPA 8270D	09/02/2020 07:24	09/02/2020 22:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**1170**		ug/kg dry	50.5	101	2	EPA 8270D	09/02/2020 07:24	09/02/2020 22:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	Fluorene	ND		ug/kg dry	50.5	101	2	EPA 8270D	09/02/2020 07:24	09/02/2020 22:54	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		ug/kg dry	50.5	101	2	EPA 8270D	09/02/2020 07:24	09/02/2020 22:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	50.5	101	2	EPA 8270D	09/02/2020 07:24	09/02/2020 22:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	50.5	101	2	EPA 8270D	09/02/2020 07:24	09/02/2020 22:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		ug/kg dry	50.5	101	2	EPA 8270D	09/02/2020 07:24	09/02/2020 22:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**623**		ug/kg dry	50.5	101	2	EPA 8270D	09/02/2020 07:24	09/02/2020 22:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		ug/kg dry	50.5	101	2	EPA 8270D	09/02/2020 07:24	09/02/2020 22:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: SB-2 1'-3' **York Sample ID:** 20H1163-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 9:45 am	08/28/2020

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-20-3	Naphthalene	ND		ug/kg dry	50.5	101	2	EPA 8270D	09/02/2020 07:24	09/02/2020 22:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		ug/kg dry	50.5	101	2	EPA 8270D	09/02/2020 07:24	09/02/2020 22:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	50.5	101	2	EPA 8270D	09/02/2020 07:24	09/02/2020 22:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	50.5	101	2	EPA 8270D	09/02/2020 07:24	09/02/2020 22:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	50.5	101	2	EPA 8270D	09/02/2020 07:24	09/02/2020 22:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**621**		ug/kg dry	50.5	101	2	EPA 8270D	09/02/2020 07:24	09/02/2020 22:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**1260**		ug/kg dry	50.5	101	2	EPA 8270D	09/02/2020 07:24	09/02/2020 22:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		ug/kg dry	202	403	2	EPA 8270D	09/02/2020 07:24	09/02/2020 22:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*76.1 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*68.8 %*	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*82.8 %*	*24-116*

Metals, Target Analyte

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
7429-90-5	**Aluminum**	**8350**		mg/kg dry	6.08	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:15	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	Antimony	ND		mg/kg dry	3.04	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:15	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	**Arsenic**	**26.3**		mg/kg dry	1.82	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:15	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**232**		mg/kg dry	3.04	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:15	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.061	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:15	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.365	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:15	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**717**		mg/kg dry	6.08	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:15	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**1150**		mg/kg dry	0.608	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:15	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**17.2**		mg/kg dry	0.486	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:15	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: **SB-2 1'-3'** **York Sample ID:** **20H1163-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 9:45 am	08/28/2020

Metals, Target Analyte

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
7440-50-8	**Copper**	**1040**		mg/kg dry	2.43	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:15	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**25700**		mg/kg dry	30.4	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:15	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**316**	B	mg/kg dry	0.608	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:15	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**2070**		mg/kg dry	6.08	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:15	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**140**		mg/kg dry	0.608	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:15	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**88800**		mg/kg dry	24.3	20	EPA 6010D	08/31/2020 09:14	09/04/2020 14:25	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**799**	B	mg/kg dry	6.08	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:15	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	3.04	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:15	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	**Silver**	**37.6**		mg/kg dry	0.608	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:15	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**645**	B	mg/kg dry	60.8	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:15	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	3.04	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:15	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**15.5**		mg/kg dry	1.22	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:15	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**192**		mg/kg dry	3.04	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:15	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes: **Sample Notes:**

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**	**0.341**		mg/kg dry	0.0365	1	EPA 7473	09/02/2020 15:29	09/02/2020 20:29	MAO
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

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**	**82.2**		%	0.100	1	SM 2540G	08/31/2020 08:08	08/31/2020 17:03	SK
							Certifications:	CTDOH		

Sample Information

Client Sample ID: SB-3 0'-4' **York Sample ID:** 20H1163-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 10:30 am	08/28/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:07	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAL		
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:07	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:07	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAL		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
123-91-1	1,4-Dioxane	ND		ug/kg dry	50	99	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:07	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAL		
78-93-3	2-Butanone	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		

Sample Information

Client Sample ID: SB-3 0'-4' **York Sample ID:** 20H1163-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 10:30 am	08/28/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
67-64-1	Acetone	ND		ug/kg dry	5.0	9.9	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
107-02-8	Acrolein	ND		ug/kg dry	5.0	9.9	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
107-13-1	Acrylonitrile	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
71-43-2	Benzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
74-97-5	Bromochloromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:07	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAL		
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
75-25-2	Bromoform	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
74-83-9	Bromomethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
75-15-0	Carbon disulfide	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
108-90-7	Chlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
75-00-3	Chloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
67-66-3	Chloroform	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
74-87-3	Chloromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
110-82-7	Cyclohexane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:07	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAL		
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:07	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAL		
74-95-3	Dibromomethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:07	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAL		

Sample Information

Client Sample ID: SB-3 0'-4' **York Sample ID:** 20H1163-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 10:30 am	08/28/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:07	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAL		
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:07	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAL		
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
79-20-9	Methyl acetate	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:07	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAL		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:07	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAL		
75-09-2	Methylene chloride	ND		ug/kg dry	5.0	9.9	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
95-47-6	o-Xylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PA		
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.0	9.9	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PA		
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
100-42-5	Styrene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.5	25	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:07	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAL		
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
108-88-3	Toluene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		

Sample Information

Client Sample ID: SB-3 0'-4' **York Sample ID:** 20H1163-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 10:30 am	08/28/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH	08/29/2020 09:30	08/29/2020 13:07	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/29/2020 09:30	08/29/2020 13:07	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/29/2020 09:30	08/29/2020 13:07	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/29/2020 09:30	08/29/2020 13:07	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.5	15	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/29/2020 09:30	08/29/2020 13:07	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*97.3 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*104 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*106 %*	*76-130*

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 07:24	09/02/2020 23:24	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	09/02/2020 07:24	09/02/2020 23:24	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	09/02/2020 07:24	09/02/2020 23:24	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	09/02/2020 07:24	09/02/2020 23:24	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 07:24	09/02/2020 23:24	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 07:24	09/02/2020 23:24	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 07:24	09/02/2020 23:24	KH
91-57-6	**2-Methylnaphthalene**	**180**		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 07:24	09/02/2020 23:24	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/02/2020 07:24	09/02/2020 23:24	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	93.4	187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 07:24	09/02/2020 23:24	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 07:24	09/02/2020 23:24	KH

Sample Information

Client Sample ID: SB-3 0'-4' **York Sample ID:** 20H1163-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 10:30 am	08/28/2020

Semi-Volatiles, 8270 Base/Neutrals **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-47-8	4-Chloroaniline	ND		ug/kg dry	46.8	93.4	2	EPA 8270D	09/02/2020 07:24	09/02/2020 23:24	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	46.8	93.4	2	EPA 8270D	09/02/2020 07:24	09/02/2020 23:24	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		ug/kg dry	93.4	187	2	EPA 8270D	09/02/2020 07:24	09/02/2020 23:24	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	**Acenaphthene**	**203**		ug/kg dry	46.8	93.4	2	EPA 8270D	09/02/2020 07:24	09/02/2020 23:24	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	**Acenaphthylene**	**697**		ug/kg dry	46.8	93.4	2	EPA 8270D	09/02/2020 07:24	09/02/2020 23:24	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		ug/kg dry	187	374	2	EPA 8270D	09/02/2020 07:24	09/02/2020 23:24	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**1320**		ug/kg dry	46.8	93.4	2	EPA 8270D	09/02/2020 07:24	09/02/2020 23:24	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
56-55-3	**Benzo(a)anthracene**	**6470**		ug/kg dry	468	934	20	EPA 8270D	09/02/2020 07:24	09/03/2020 13:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	**Benzo(a)pyrene**	**5520**		ug/kg dry	468	934	20	EPA 8270D	09/02/2020 07:24	09/03/2020 13:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**6050**		ug/kg dry	468	934	20	EPA 8270D	09/02/2020 07:24	09/03/2020 13:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**4380**		ug/kg dry	468	934	20	EPA 8270D	09/02/2020 07:24	09/03/2020 13:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**5590**		ug/kg dry	468	934	20	EPA 8270D	09/02/2020 07:24	09/03/2020 13:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	46.8	93.4	2	EPA 8270D	09/02/2020 07:24	09/02/2020 23:24	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	46.8	93.4	2	EPA 8270D	09/02/2020 07:24	09/02/2020 23:24	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	46.8	93.4	2	EPA 8270D	09/02/2020 07:24	09/02/2020 23:24	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	46.8	93.4	2	EPA 8270D	09/02/2020 07:24	09/02/2020 23:24	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	46.8	93.4	2	EPA 8270D	09/02/2020 07:24	09/02/2020 23:24	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-74-8	**Carbazole**	**558**		ug/kg dry	46.8	93.4	2	EPA 8270D	09/02/2020 07:24	09/02/2020 23:24	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**7780**		ug/kg dry	468	934	20	EPA 8270D	09/02/2020 07:24	09/03/2020 13:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	**Dibenzo(a,h)anthracene**	**1510**		ug/kg dry	46.8	93.4	2	EPA 8270D	09/02/2020 07:24	09/02/2020 23:24	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	**Dibenzofuran**	**431**		ug/kg dry	46.8	93.4	2	EPA 8270D	09/02/2020 07:24	09/02/2020 23:24	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		ug/kg dry	46.8	93.4	2	EPA 8270D	09/02/2020 07:24	09/02/2020 23:24	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: SB-3 0'-4' **York Sample ID:** 20H1163-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 10:30 am	08/28/2020

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
131-11-3	Dimethyl phthalate	ND		ug/kg dry	46.8	93.4	2	EPA 8270D	09/02/2020 07:24	09/02/2020 23:24	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	46.8	93.4	2	EPA 8270D	09/02/2020 07:24	09/02/2020 23:24	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	46.8	93.4	2	EPA 8270D	09/02/2020 07:24	09/02/2020 23:24	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**14000**		ug/kg dry	468	934	20	EPA 8270D	09/02/2020 07:24	09/03/2020 13:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	Fluorene	ND		ug/kg dry	46.8	93.4	2	EPA 8270D	09/02/2020 07:24	09/02/2020 23:24	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		ug/kg dry	46.8	93.4	2	EPA 8270D	09/02/2020 07:24	09/02/2020 23:24	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	46.8	93.4	2	EPA 8270D	09/02/2020 07:24	09/02/2020 23:24	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	46.8	93.4	2	EPA 8270D	09/02/2020 07:24	09/02/2020 23:24	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		ug/kg dry	46.8	93.4	2	EPA 8270D	09/02/2020 07:24	09/02/2020 23:24	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**4580**		ug/kg dry	468	934	20	EPA 8270D	09/02/2020 07:24	09/03/2020 13:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		ug/kg dry	46.8	93.4	2	EPA 8270D	09/02/2020 07:24	09/02/2020 23:24	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	**Naphthalene**	**172**		ug/kg dry	46.8	93.4	2	EPA 8270D	09/02/2020 07:24	09/02/2020 23:24	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		ug/kg dry	46.8	93.4	2	EPA 8270D	09/02/2020 07:24	09/02/2020 23:24	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	46.8	93.4	2	EPA 8270D	09/02/2020 07:24	09/02/2020 23:24	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	46.8	93.4	2	EPA 8270D	09/02/2020 07:24	09/02/2020 23:24	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	46.8	93.4	2	EPA 8270D	09/02/2020 07:24	09/02/2020 23:24	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**11300**		ug/kg dry	468	934	20	EPA 8270D	09/02/2020 07:24	09/03/2020 13:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**13700**		ug/kg dry	468	934	20	EPA 8270D	09/02/2020 07:24	09/03/2020 13:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		ug/kg dry	187	374	2	EPA 8270D	09/02/2020 07:24	09/02/2020 23:24	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*70.4 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*71.1 %*	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*87.4 %*	*24-116*

Sample Information

Client Sample ID: **SB-3 0'-4'** **York Sample ID:** **20H1163-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 10:30 am	08/28/2020

Metals, Target Analyte **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
7429-90-5	**Aluminum**	**8480**		mg/kg dry	5.64	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:22	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	**Antimony**	**4.10**		mg/kg dry	2.82	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:22	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	**Arsenic**	**31.9**		mg/kg dry	1.69	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:22	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**942**		mg/kg dry	2.82	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:22	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.056	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:22	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.338	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:22	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**529**		mg/kg dry	5.64	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:22	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**2210**		mg/kg dry	0.564	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:22	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**24.7**		mg/kg dry	0.451	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:22	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**823**		mg/kg dry	2.25	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:22	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**17200**		mg/kg dry	28.2	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:22	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**150**	B	mg/kg dry	0.564	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:22	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**1440**		mg/kg dry	5.64	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:22	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**107**		mg/kg dry	0.564	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:22	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**79500**		mg/kg dry	22.5	20	EPA 6010D	08/31/2020 09:14	09/04/2020 14:27	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**811**	B	mg/kg dry	5.64	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:22	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.82	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:22	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	**Silver**	**80.6**		mg/kg dry	0.564	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:22	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**1240**	B	mg/kg dry	56.4	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:22	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.82	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:22	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**22.4**		mg/kg dry	1.13	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:22	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**406**		mg/kg dry	2.82	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:22	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: SB-3 0'-4' **York Sample ID:** 20H1163-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 10:30 am	08/28/2020

Mercury by 7473

Log-in Notes:

Sample Notes:

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**	**1.08**		mg/kg dry	0.0338	1	EPA 7473	09/02/2020 15:29	09/02/2020 20:37	MAO
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

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**	**88.7**		%	0.100	1	SM 2540G	08/31/2020 08:08	08/31/2020 17:03	SK
							Certifications: CTDOH			

Sample Information

Client Sample ID: SB-4 12'-16' **York Sample ID:** 20H1163-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 11:00 am	08/28/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI			
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP			

Sample Information

Client Sample ID: SB-4 12'-16'

York Sample ID: 20H1163-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 11:00 am	08/28/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAL		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
123-91-1	1,4-Dioxane	ND		ug/kg dry	52	100	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAL		
78-93-3	2-Butanone	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
591-78-6	2-Hexanone	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
67-64-1	Acetone	ND		ug/kg dry	5.2	10	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
107-02-8	Acrolein	ND		ug/kg dry	5.2	10	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
107-13-1	Acrylonitrile	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
71-43-2	Benzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
74-97-5	Bromochloromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAL		
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
75-25-2	Bromoform	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		

Sample Information

Client Sample ID: SB-4 12'-16' **York Sample ID:** 20H1163-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 11:00 am	08/28/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-83-9	Bromomethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
75-15-0	Carbon disulfide	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
108-90-7	Chlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
75-00-3	Chloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
67-66-3	Chloroform	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
74-87-3	Chloromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
110-82-7	Cyclohexane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-95-3	Dibromomethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
79-20-9	Methyl acetate	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-09-2	**Methylene chloride**	**6.3**	J	ug/kg dry	5.2	10	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		

Sample Information

Client Sample ID: SB-4 12'-16' **York Sample ID:** 20H1163-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 11:00 am	08/28/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
95-47-6	o-Xylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PA		
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.2	10	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PA		
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
100-42-5	Styrene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.6	26	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAL		
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
108-88-3	Toluene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications:	CTDOH		
79-01-6	Trichloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.9	16	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:32	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*98.7 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*103 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*107 %*	*76-130*

Sample Information

Client Sample ID: SB-4 12'-16'

York Sample ID: 20H1163-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 11:00 am	08/28/2020

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D	09/02/2020 07:24	09/02/2020 23:53	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D	09/02/2020 07:24	09/02/2020 23:53	KH
								Certifications:	NELAC-NY10854,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D	09/02/2020 07:24	09/02/2020 23:53	KH
								Certifications:	NELAC-NY10854,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D	09/02/2020 07:24	09/02/2020 23:53	KH
								Certifications:	NELAC-NY10854,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D	09/02/2020 07:24	09/02/2020 23:53	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D	09/02/2020 07:24	09/02/2020 23:53	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D	09/02/2020 07:24	09/02/2020 23:53	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D	09/02/2020 07:24	09/02/2020 23:53	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	47.9	95.6	2	EPA 8270D	09/02/2020 07:24	09/02/2020 23:53	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		ug/kg dry	95.6	191	2	EPA 8270D	09/02/2020 07:24	09/02/2020 23:53	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	47.9	95.6	2	EPA 8270D	09/02/2020 07:24	09/02/2020 23:53	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		ug/kg dry	47.9	95.6	2	EPA 8270D	09/02/2020 07:24	09/02/2020 23:53	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	47.9	95.6	2	EPA 8270D	09/02/2020 07:24	09/02/2020 23:53	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		ug/kg dry	95.6	191	2	EPA 8270D	09/02/2020 07:24	09/02/2020 23:53	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	**Acenaphthene**	**71.1**	J	ug/kg dry	47.9	95.6	2	EPA 8270D	09/02/2020 07:24	09/02/2020 23:53	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	**Acenaphthylene**	**74.1**	J	ug/kg dry	47.9	95.6	2	EPA 8270D	09/02/2020 07:24	09/02/2020 23:53	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		ug/kg dry	191	383	2	EPA 8270D	09/02/2020 07:24	09/02/2020 23:53	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**202**		ug/kg dry	47.9	95.6	2	EPA 8270D	09/02/2020 07:24	09/02/2020 23:53	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
56-55-3	**Benzo(a)anthracene**	**455**		ug/kg dry	47.9	95.6	2	EPA 8270D	09/02/2020 07:24	09/02/2020 23:53	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	**Benzo(a)pyrene**	**423**		ug/kg dry	47.9	95.6	2	EPA 8270D	09/02/2020 07:24	09/02/2020 23:53	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**361**		ug/kg dry	47.9	95.6	2	EPA 8270D	09/02/2020 07:24	09/02/2020 23:53	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**276**		ug/kg dry	47.9	95.6	2	EPA 8270D	09/02/2020 07:24	09/02/2020 23:53	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: SB-4 12'-16'

York Sample ID: 20H1163-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 11:00 am	08/28/2020

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
207-08-9	**Benzo(k)fluoranthene**	**322**		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications:	09/02/2020 07:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 23:53	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications:	09/02/2020 07:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 23:53	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications:	09/02/2020 07:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 23:53	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications:	09/02/2020 07:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 23:53	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications:	09/02/2020 07:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 23:53	KH
117-81-7	**Bis(2-ethylhexyl)phthalate**	**62.7**	J	ug/kg dry	47.9	95.6	2	EPA 8270D Certifications:	09/02/2020 07:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 23:53	KH
86-74-8	**Carbazole**	**70.3**	J	ug/kg dry	47.9	95.6	2	EPA 8270D Certifications:	09/02/2020 07:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 23:53	KH
218-01-9	**Chrysene**	**452**		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications:	09/02/2020 07:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 23:53	KH
53-70-3	**Dibenzo(a,h)anthracene**	**73.4**	J	ug/kg dry	47.9	95.6	2	EPA 8270D Certifications:	09/02/2020 07:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 23:53	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications:	09/02/2020 07:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 23:53	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications:	09/02/2020 07:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 23:53	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications:	09/02/2020 07:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 23:53	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications:	09/02/2020 07:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 23:53	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications:	09/02/2020 07:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 23:53	KH
206-44-0	**Fluoranthene**	**964**		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications:	09/02/2020 07:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 23:53	KH
86-73-7	**Fluorene**	**87.1**	J	ug/kg dry	47.9	95.6	2	EPA 8270D Certifications:	09/02/2020 07:24 NELAC-NY10854,NJDEP,PADEP	09/02/2020 23:53	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications:	09/02/2020 07:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 23:53	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications:	09/02/2020 07:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 23:53	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications:	09/02/2020 07:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 23:53	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications:	09/02/2020 07:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 23:53	KH
193-39-5	**Indeno(1,2,3-cd)pyrene**	**300**		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications:	09/02/2020 07:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 23:53	KH
78-59-1	Isophorone	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications:	09/02/2020 07:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 23:53	KH

Sample Information

Client Sample ID: SB-4 12'-16' **York Sample ID:** 20H1163-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 11:00 am	08/28/2020

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-20-3	Naphthalene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D	09/02/2020 07:24	09/02/2020 23:53	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D	09/02/2020 07:24	09/02/2020 23:53	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	47.9	95.6	2	EPA 8270D	09/02/2020 07:24	09/02/2020 23:53	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	47.9	95.6	2	EPA 8270D	09/02/2020 07:24	09/02/2020 23:53	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	47.9	95.6	2	EPA 8270D	09/02/2020 07:24	09/02/2020 23:53	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**879**		ug/kg dry	47.9	95.6	2	EPA 8270D	09/02/2020 07:24	09/02/2020 23:53	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**945**		ug/kg dry	47.9	95.6	2	EPA 8270D	09/02/2020 07:24	09/02/2020 23:53	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		ug/kg dry	191	383	2	EPA 8270D	09/02/2020 07:24	09/02/2020 23:53	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*79.7 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*73.7 %*	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*87.3 %*	*24-116*

Metals, Target Analyte

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
7429-90-5	**Aluminum**	**6530**		mg/kg dry	5.77	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:30	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	**Antimony**	**4.20**		mg/kg dry	2.88	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:30	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	**Arsenic**	**4.41**		mg/kg dry	1.73	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:30	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**40.7**		mg/kg dry	2.88	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:30	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.058	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:30	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.346	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:30	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**1270**		mg/kg dry	5.77	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:30	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**172**		mg/kg dry	0.577	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:30	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**4.61**		mg/kg dry	0.462	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:30	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: SB-4 12'-16' **York Sample ID:** 20H1163-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 11:00 am	08/28/2020

Metals, Target Analyte

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
7440-50-8	**Copper**	**16.2**		mg/kg dry	2.31	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:30	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**12100**		mg/kg dry	28.8	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:30	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**59.1**	B	mg/kg dry	0.577	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:30	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**1880**		mg/kg dry	5.77	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:30	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**562**		mg/kg dry	0.577	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:30	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**338**		mg/kg dry	1.15	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:30	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**662**	B	mg/kg dry	5.77	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:30	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.88	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:30	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	**Silver**	**5.78**		mg/kg dry	0.577	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:30	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**301**	B	mg/kg dry	57.7	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:30	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.88	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:30	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**13.4**		mg/kg dry	1.15	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:30	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**35.6**		mg/kg dry	2.88	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:30	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

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**	**0.571**		mg/kg dry	0.0346	1	EPA 7473	09/02/2020 15:29	09/02/2020 20:46	MAO
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

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**	**86.7**		%	0.100	1	SM 2540G	08/31/2020 08:08	08/31/2020 17:03	SK
							Certifications:	CTDOH		

Sample Information

Client Sample ID: SB-5 12'-16' **York Sample ID:** 20H1163-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 12:45 pm	08/28/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:57	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:57	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:57	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:57	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:57	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:57	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:57	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:57	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:57	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:57	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:57	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:57	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:57	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:57	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:57	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:57	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:57	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:57	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:57	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
123-91-1	1,4-Dioxane	ND		ug/kg dry	42	83	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:57	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
78-93-3	2-Butanone	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:57	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		

Sample Information

Client Sample ID: SB-5 12'-16' **York Sample ID:** 20H1163-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 12:45 pm	08/28/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:57	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:57	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
67-64-1	Acetone	ND		ug/kg dry	4.2	8.3	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:57	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
107-02-8	Acrolein	ND		ug/kg dry	4.2	8.3	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:57	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
107-13-1	Acrylonitrile	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:57	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
71-43-2	Benzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:57	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
74-97-5	Bromochloromethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:57	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAL		
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:57	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
75-25-2	Bromoform	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:57	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
74-83-9	Bromomethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:57	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
75-15-0	Carbon disulfide	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:57	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:57	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
108-90-7	Chlorobenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:57	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
75-00-3	Chloroethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:57	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
67-66-3	Chloroform	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:57	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
74-87-3	Chloromethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:57	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:57	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:57	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
110-82-7	Cyclohexane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:57	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAL		
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:57	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAL		
74-95-3	Dibromomethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:57	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAL		

Sample Information

Client Sample ID: SB-5 12'-16' **York Sample ID:** 20H1163-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 12:45 pm	08/28/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications:	08/29/2020 09:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	08/29/2020 13:57	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications:	08/29/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/29/2020 13:57	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications:	08/29/2020 09:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	08/29/2020 13:57	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications:	08/29/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/29/2020 13:57	SS
79-20-9	Methyl acetate	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications:	08/29/2020 09:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	08/29/2020 13:57	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications:	08/29/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/29/2020 13:57	SS
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications:	08/29/2020 09:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	08/29/2020 13:57	SS
75-09-2	**Methylene chloride**	**5.0**	J	ug/kg dry	4.2	8.3	1	EPA 8260C Certifications:	08/29/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/29/2020 13:57	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications:	08/29/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/29/2020 13:57	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications:	08/29/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/29/2020 13:57	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications:	08/29/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PA	08/29/2020 13:57	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.2	8.3	1	EPA 8260C Certifications:	08/29/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PA	08/29/2020 13:57	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications:	08/29/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/29/2020 13:57	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications:	08/29/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/29/2020 13:57	SS
100-42-5	Styrene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications:	08/29/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/29/2020 13:57	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.1	21	1	EPA 8260C Certifications:	08/29/2020 09:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	08/29/2020 13:57	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications:	08/29/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/29/2020 13:57	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications:	08/29/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/29/2020 13:57	SS
108-88-3	Toluene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications:	08/29/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/29/2020 13:57	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications:	08/29/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/29/2020 13:57	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications:	08/29/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/29/2020 13:57	SS

Sample Information

Client Sample ID: SB-5 12'-16' **York Sample ID:** 20H1163-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 12:45 pm	08/28/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:57	SS
								Certifications: CTDOH			
79-01-6	Trichloroethylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:57	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:57	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:57	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.3	13	1	EPA 8260C	08/29/2020 09:30	08/29/2020 13:57	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*99.0 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*104 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*106 %*	*76-130*

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	47.1	94.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 00:22	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	47.1	94.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 00:22	KH
								Certifications: NELAC-NY10854,PADEP			
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	47.1	94.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 00:22	KH
								Certifications: NELAC-NY10854,PADEP			
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	47.1	94.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 00:22	KH
								Certifications: NELAC-NY10854,PADEP			
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	47.1	94.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 00:22	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	47.1	94.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 00:22	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	47.1	94.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 00:22	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	47.1	94.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 00:22	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	47.1	94.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 00:22	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
99-09-2	3-Nitroaniline	ND		ug/kg dry	94.0	188	2	EPA 8270D	09/02/2020 07:24	09/03/2020 00:22	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	47.1	94.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 00:22	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: SB-5 12'-16' **York Sample ID:** 20H1163-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 12:45 pm	08/28/2020

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-47-8	4-Chloroaniline	ND		ug/kg dry	47.1	94.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 00:22	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	47.1	94.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 00:22	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		ug/kg dry	94.0	188	2	EPA 8270D	09/02/2020 07:24	09/03/2020 00:22	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		ug/kg dry	47.1	94.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 00:22	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		ug/kg dry	47.1	94.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 00:22	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		ug/kg dry	188	377	2	EPA 8270D	09/02/2020 07:24	09/03/2020 00:22	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		ug/kg dry	47.1	94.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 00:22	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	47.1	94.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 00:22	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	47.1	94.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 00:22	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	47.1	94.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 00:22	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	47.1	94.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 00:22	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	47.1	94.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 00:22	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	47.1	94.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 00:22	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	47.1	94.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 00:22	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	47.1	94.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 00:22	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	47.1	94.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 00:22	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	47.1	94.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 00:22	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		ug/kg dry	47.1	94.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 00:22	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		ug/kg dry	47.1	94.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 00:22	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	47.1	94.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 00:22	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		ug/kg dry	47.1	94.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 00:22	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: SB-5 12'-16' **York Sample ID:** 20H1163-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 12:45 pm	08/28/2020

Semi-Volatiles, 8270 Base/Neutrals **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
84-66-2	Diethyl phthalate	ND		ug/kg dry	47.1	94.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 00:22	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		ug/kg dry	47.1	94.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 00:22	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	47.1	94.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 00:22	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	47.1	94.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 00:22	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		ug/kg dry	47.1	94.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 00:22	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	Fluorene	ND		ug/kg dry	47.1	94.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 00:22	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		ug/kg dry	47.1	94.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 00:22	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	47.1	94.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 00:22	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	47.1	94.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 00:22	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		ug/kg dry	47.1	94.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 00:22	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	47.1	94.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 00:22	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		ug/kg dry	47.1	94.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 00:22	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		ug/kg dry	47.1	94.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 00:22	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		ug/kg dry	47.1	94.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 00:22	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	47.1	94.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 00:22	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	47.1	94.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 00:22	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	47.1	94.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 00:22	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		ug/kg dry	47.1	94.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 00:22	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	ND		ug/kg dry	47.1	94.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 00:22	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		ug/kg dry	188	377	2	EPA 8270D	09/02/2020 07:24	09/03/2020 00:22	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*72.2 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*70.2 %*	*21-113*

Sample Information

Client Sample ID: SB-5 12'-16' **York Sample ID:** 20H1163-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 12:45 pm	08/28/2020

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*89.3 %*			*24-116*						

Metals, Target Analyte

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
7429-90-5	**Aluminum**	**10300**		mg/kg dry	5.68	1	EPA 6010D Certifications:	08/31/2020 09:14 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/01/2020 15:38	KML
7440-36-0	Antimony	ND		mg/kg dry	2.84	1	EPA 6010D Certifications:	08/31/2020 09:14 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/01/2020 15:38	KML
7440-38-2	**Arsenic**	**2.32**		mg/kg dry	1.70	1	EPA 6010D Certifications:	08/31/2020 09:14 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/01/2020 15:38	KML
7440-39-3	**Barium**	**45.4**		mg/kg dry	2.84	1	EPA 6010D Certifications:	08/31/2020 09:14 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/01/2020 15:38	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.057	1	EPA 6010D Certifications:	08/31/2020 09:14 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/01/2020 15:38	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.341	1	EPA 6010D Certifications:	08/31/2020 09:14 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/01/2020 15:38	KML
7440-70-2	**Calcium**	**936**		mg/kg dry	5.68	1	EPA 6010D Certifications:	08/31/2020 09:14 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/01/2020 15:38	KML
7440-47-3	**Chromium**	**26.2**		mg/kg dry	0.568	1	EPA 6010D Certifications:	08/31/2020 09:14 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/01/2020 15:38	KML
7440-48-4	**Cobalt**	**4.38**		mg/kg dry	0.454	1	EPA 6010D Certifications:	08/31/2020 09:14 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/01/2020 15:38	KML
7440-50-8	**Copper**	**7.16**		mg/kg dry	2.27	1	EPA 6010D Certifications:	08/31/2020 09:14 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/01/2020 15:38	KML
7439-89-6	**Iron**	**10600**		mg/kg dry	28.4	1	EPA 6010D Certifications:	08/31/2020 09:14 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/01/2020 15:38	KML
7439-92-1	**Lead**	**20.1**	B	mg/kg dry	0.568	1	EPA 6010D Certifications:	08/31/2020 09:14 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/01/2020 15:38	KML
7439-95-4	**Magnesium**	**1530**		mg/kg dry	5.68	1	EPA 6010D Certifications:	08/31/2020 09:14 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/01/2020 15:38	KML
7439-96-5	**Manganese**	**369**		mg/kg dry	0.568	1	EPA 6010D Certifications:	08/31/2020 09:14 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/01/2020 15:38	KML
7440-02-0	**Nickel**	**12.7**		mg/kg dry	1.14	1	EPA 6010D Certifications:	08/31/2020 09:14 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/01/2020 15:38	KML
7440-09-7	**Potassium**	**588**	B	mg/kg dry	5.68	1	EPA 6010D Certifications:	08/31/2020 09:14 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/01/2020 15:38	KML
7782-49-2	Selenium	ND		mg/kg dry	2.84	1	EPA 6010D Certifications:	08/31/2020 09:14 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/01/2020 15:38	KML
7440-22-4	Silver	ND		mg/kg dry	0.568	1	EPA 6010D Certifications:	08/31/2020 09:14 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/01/2020 15:38	KML
7440-23-5	**Sodium**	**1780**	B	mg/kg dry	56.8	1	EPA 6010D Certifications:	08/31/2020 09:14 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/01/2020 15:38	KML

Sample Information

Client Sample ID: SB-5 12'-16' **York Sample ID:** 20H1163-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 12:45 pm	08/28/2020

Metals, Target Analyte

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
7440-28-0	Thallium	ND		mg/kg dry	2.84	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:38	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-62-2	**Vanadium**	**16.9**		mg/kg dry	1.14	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:38	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-66-6	**Zinc**	**25.4**		mg/kg dry	2.84	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:38	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Mercury by 7473

Log-in Notes:

Sample Notes:

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**	**0.235**		mg/kg dry	0.0341	1	EPA 7473	09/02/2020 15:29	09/02/2020 20:55	MAO
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

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**	**88.1**		%	0.100	1	SM 2540G	08/31/2020 08:10	08/31/2020 17:10	SK
							Certifications: CTDOH			

Sample Information

Client Sample ID: SB-6 1'-2' **York Sample ID:** 20H1163-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 1:30 pm	08/28/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C	08/29/2020 09:30	08/29/2020 14:22	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C	08/29/2020 09:30	08/29/2020 14:22	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C	08/29/2020 09:30	08/29/2020 14:22	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.4	4.9	1	EPA 8260C	08/29/2020 09:30	08/29/2020 14:22	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			

Sample Information

Client Sample ID: SB-6 1'-2' **York Sample ID:** 20H1163-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 1:30 pm	08/28/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C	08/29/2020 09:30	08/29/2020 14:22	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C	08/29/2020 09:30	08/29/2020 14:22	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C	08/29/2020 09:30	08/29/2020 14:22	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C	08/29/2020 09:30	08/29/2020 14:22	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C	08/29/2020 09:30	08/29/2020 14:22	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C	08/29/2020 09:30	08/29/2020 14:22	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-63-6	**1,2,4-Trimethylbenzene**	**5500**		ug/kg dry	280	560	100	EPA 8260C	09/01/2020 09:30	09/01/2020 12:23	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C	08/29/2020 09:30	08/29/2020 14:22	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C	08/29/2020 09:30	08/29/2020 14:22	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C	08/29/2020 09:30	08/29/2020 14:22	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C	08/29/2020 09:30	08/29/2020 14:22	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C	08/29/2020 09:30	08/29/2020 14:22	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
108-67-8	**1,3,5-Trimethylbenzene**	**120**		ug/kg dry	2.4	4.9	1	EPA 8260C	08/29/2020 09:30	08/29/2020 14:22	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C	08/29/2020 09:30	08/29/2020 14:22	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C	08/29/2020 09:30	08/29/2020 14:22	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
123-91-1	1,4-Dioxane	ND		ug/kg dry	49	98	1	EPA 8260C	08/29/2020 09:30	08/29/2020 14:22	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
78-93-3	**2-Butanone**	**42**		ug/kg dry	2.4	4.9	1	EPA 8260C	08/29/2020 09:30	08/29/2020 14:22	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
591-78-6	2-Hexanone	ND		ug/kg dry	2.4	4.9	1	EPA 8260C	08/29/2020 09:30	08/29/2020 14:22	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
108-10-1	**4-Methyl-2-pentanone**	**640**		ug/kg dry	280	560	100	EPA 8260C	09/01/2020 09:30	09/01/2020 12:23	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
67-64-1	**Acetone**	**100**		ug/kg dry	4.9	9.8	1	EPA 8260C	08/29/2020 09:30	08/29/2020 14:22	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
107-02-8	Acrolein	ND		ug/kg dry	4.9	9.8	1	EPA 8260C	08/29/2020 09:30	08/29/2020 14:22	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
107-13-1	Acrylonitrile	ND		ug/kg dry	2.4	4.9	1	EPA 8260C	08/29/2020 09:30	08/29/2020 14:22	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		

Sample Information

Client Sample ID: SB-6 1'-2' **York Sample ID:** 20H1163-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 1:30 pm	08/28/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-43-2	**Benzene**	**4.1**	J	ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/29/2020 09:30	08/29/2020 14:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/29/2020 09:30	08/29/2020 14:22 NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/29/2020 09:30	08/29/2020 14:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	SS
75-25-2	Bromoform	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/29/2020 09:30	08/29/2020 14:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/29/2020 09:30	08/29/2020 14:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/29/2020 09:30	08/29/2020 14:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/29/2020 09:30	08/29/2020 14:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/29/2020 09:30	08/29/2020 14:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/29/2020 09:30	08/29/2020 14:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	SS
67-66-3	Chloroform	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/29/2020 09:30	08/29/2020 14:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/29/2020 09:30	08/29/2020 14:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/29/2020 09:30	08/29/2020 14:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/29/2020 09:30	08/29/2020 14:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	SS
110-82-7	**Cyclohexane**	**8.7**		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/29/2020 09:30	08/29/2020 14:22 NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/29/2020 09:30	08/29/2020 14:22 NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/29/2020 09:30	08/29/2020 14:22 NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/29/2020 09:30	08/29/2020 14:22 NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	SS
100-41-4	**Ethyl Benzene**	**62**		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/29/2020 09:30	08/29/2020 14:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/29/2020 09:30	08/29/2020 14:22 NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	SS
98-82-8	**Isopropylbenzene**	**12**		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/29/2020 09:30	08/29/2020 14:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	SS
79-20-9	Methyl acetate	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/29/2020 09:30	08/29/2020 14:22 NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	SS
1634-04-4	**Methyl tert-butyl ether (MTBE)**	**5.1**		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/29/2020 09:30	08/29/2020 14:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	SS

Sample Information

Client Sample ID: SB-6 1'-2' **York Sample ID:** 20H1163-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 1:30 pm	08/28/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-87-2	**Methylcyclohexane**	**26**		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/29/2020 09:30	08/29/2020 14:22 NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	SS
75-09-2	Methylene chloride	ND		ug/kg dry	4.9	9.8	1	EPA 8260C Certifications:	08/29/2020 09:30	08/29/2020 14:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	SS
104-51-8	**n-Butylbenzene**	**12**		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/29/2020 09:30	08/29/2020 14:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	SS
103-65-1	**n-Propylbenzene**	**35**		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/29/2020 09:30	08/29/2020 14:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	SS
95-47-6	**o-Xylene**	**170**		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/29/2020 09:30	08/29/2020 14:22 CTDOH,NELAC-NY10854,NELAC-NY12058,PA	SS
179601-23-1	**p- & m- Xylenes**	**320**		ug/kg dry	4.9	9.8	1	EPA 8260C Certifications:	08/29/2020 09:30	08/29/2020 14:22 CTDOH,NELAC-NY10854,NELAC-NY12058,PA	SS
99-87-6	**p-Isopropyltoluene**	**9.5**		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/29/2020 09:30	08/29/2020 14:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	SS
135-98-8	**sec-Butylbenzene**	**9.9**		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/29/2020 09:30	08/29/2020 14:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	SS
100-42-5	Styrene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/29/2020 09:30	08/29/2020 14:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	SS
75-65-0	**tert-Butyl alcohol (TBA)**	**17**	SCAL-E, B, J	ug/kg dry	2.4	24	1	EPA 8260C Certifications:	08/29/2020 09:30	08/29/2020 14:22 NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/29/2020 09:30	08/29/2020 14:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/29/2020 09:30	08/29/2020 14:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	SS
108-88-3	**Toluene**	**190**		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/29/2020 09:30	08/29/2020 14:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/29/2020 09:30	08/29/2020 14:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/29/2020 09:30	08/29/2020 14:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	SS
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/29/2020 09:30	08/29/2020 14:22 CTDOH	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/29/2020 09:30	08/29/2020 14:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/29/2020 09:30	08/29/2020 14:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/29/2020 09:30	08/29/2020 14:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	SS
1330-20-7	**Xylenes, Total**	**490**		ug/kg dry	7.3	15	1	EPA 8260C Certifications:	08/29/2020 09:30	08/29/2020 14:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*87.8 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*106 %*	*85-120*

Sample Information

Client Sample ID: SB-6 1'-2' **York Sample ID:** 20H1163-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 1:30 pm	08/28/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*126 %*			*76-130*						

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	462	921	10	EPA 8270D Certifications:	09/02/2020 07:24	09/03/2020 01:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	OW
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	462	921	10	EPA 8270D Certifications:	09/02/2020 07:24	09/03/2020 01:24 NELAC-NY10854,PADEP	OW
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	462	921	10	EPA 8270D Certifications:	09/02/2020 07:24	09/03/2020 01:24 NELAC-NY10854,PADEP	OW
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	462	921	10	EPA 8270D Certifications:	09/02/2020 07:24	09/03/2020 01:24 NELAC-NY10854,PADEP	OW
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	462	921	10	EPA 8270D Certifications:	09/02/2020 07:24	09/03/2020 01:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	OW
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	462	921	10	EPA 8270D Certifications:	09/02/2020 07:24	09/03/2020 01:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	OW
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	462	921	10	EPA 8270D Certifications:	09/02/2020 07:24	09/03/2020 01:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	OW
91-57-6	**2-Methylnaphthalene**	**479**	J	ug/kg dry	462	921	10	EPA 8270D Certifications:	09/02/2020 07:24	09/03/2020 01:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	OW
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	462	921	10	EPA 8270D Certifications:	09/02/2020 07:24	09/03/2020 01:24 NELAC-NY10854,NJDEP,PADEP	OW
99-09-2	3-Nitroaniline	ND		ug/kg dry	921	1840	10	EPA 8270D Certifications:	09/02/2020 07:24	09/03/2020 01:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	OW
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	462	921	10	EPA 8270D Certifications:	09/02/2020 07:24	09/03/2020 01:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	OW
106-47-8	4-Chloroaniline	ND		ug/kg dry	462	921	10	EPA 8270D Certifications:	09/02/2020 07:24	09/03/2020 01:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	462	921	10	EPA 8270D Certifications:	09/02/2020 07:24	09/03/2020 01:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	OW
100-01-6	4-Nitroaniline	ND		ug/kg dry	921	1840	10	EPA 8270D Certifications:	09/02/2020 07:24	09/03/2020 01:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	OW
83-32-9	Acenaphthene	ND		ug/kg dry	462	921	10	EPA 8270D Certifications:	09/02/2020 07:24	09/03/2020 01:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	OW
208-96-8	Acenaphthylene	ND		ug/kg dry	462	921	10	EPA 8270D Certifications:	09/02/2020 07:24	09/03/2020 01:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	OW
62-53-3	Aniline	ND		ug/kg dry	1850	3690	10	EPA 8270D Certifications:	09/02/2020 07:24	09/03/2020 01:24 NELAC-NY10854,NJDEP,PADEP	OW
120-12-7	Anthracene	ND		ug/kg dry	462	921	10	EPA 8270D Certifications:	09/02/2020 07:24	09/03/2020 01:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	OW

Sample Information

Client Sample ID: SB-6 1'-2' **York Sample ID:** 20H1163-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 1:30 pm	08/28/2020

Semi-Volatiles, 8270 Base/Neutrals **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-55-3	**Benzo(a)anthracene**	**589**	J	ug/kg dry	462	921	10	EPA 8270D	09/02/2020 07:24	09/03/2020 01:24	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	**Benzo(a)pyrene**	**516**	J	ug/kg dry	462	921	10	EPA 8270D	09/02/2020 07:24	09/03/2020 01:24	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**508**	J	ug/kg dry	462	921	10	EPA 8270D	09/02/2020 07:24	09/03/2020 01:24	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	462	921	10	EPA 8270D	09/02/2020 07:24	09/03/2020 01:24	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	462	921	10	EPA 8270D	09/02/2020 07:24	09/03/2020 01:24	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	462	921	10	EPA 8270D	09/02/2020 07:24	09/03/2020 01:24	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	462	921	10	EPA 8270D	09/02/2020 07:24	09/03/2020 01:24	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	462	921	10	EPA 8270D	09/02/2020 07:24	09/03/2020 01:24	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND	CCV-L	ug/kg dry	462	921	10	EPA 8270D	09/02/2020 07:24	09/03/2020 01:24	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	**Bis(2-ethylhexyl)phthalate**	**4430**		ug/kg dry	462	921	10	EPA 8270D	09/02/2020 07:24	09/03/2020 01:24	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		ug/kg dry	462	921	10	EPA 8270D	09/02/2020 07:24	09/03/2020 01:24	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**538**	J	ug/kg dry	462	921	10	EPA 8270D	09/02/2020 07:24	09/03/2020 01:24	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	462	921	10	EPA 8270D	09/02/2020 07:24	09/03/2020 01:24	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		ug/kg dry	462	921	10	EPA 8270D	09/02/2020 07:24	09/03/2020 01:24	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		ug/kg dry	462	921	10	EPA 8270D	09/02/2020 07:24	09/03/2020 01:24	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		ug/kg dry	462	921	10	EPA 8270D	09/02/2020 07:24	09/03/2020 01:24	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	462	921	10	EPA 8270D	09/02/2020 07:24	09/03/2020 01:24	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	462	921	10	EPA 8270D	09/02/2020 07:24	09/03/2020 01:24	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**1020**		ug/kg dry	462	921	10	EPA 8270D	09/02/2020 07:24	09/03/2020 01:24	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	Fluorene	ND		ug/kg dry	462	921	10	EPA 8270D	09/02/2020 07:24	09/03/2020 01:24	OW
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND	CCV-L	ug/kg dry	462	921	10	EPA 8270D	09/02/2020 07:24	09/03/2020 01:24	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	462	921	10	EPA 8270D	09/02/2020 07:24	09/03/2020 01:24	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: **SB-6 1'-2'** **York Sample ID:** **20H1163-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 1:30 pm	08/28/2020

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	462	921	10	EPA 8270D	09/02/2020 07:24	09/03/2020 01:24	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		ug/kg dry	462	921	10	EPA 8270D	09/02/2020 07:24	09/03/2020 01:24	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	462	921	10	EPA 8270D	09/02/2020 07:24	09/03/2020 01:24	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		ug/kg dry	462	921	10	EPA 8270D	09/02/2020 07:24	09/03/2020 01:24	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		ug/kg dry	462	921	10	EPA 8270D	09/02/2020 07:24	09/03/2020 01:24	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		ug/kg dry	462	921	10	EPA 8270D	09/02/2020 07:24	09/03/2020 01:24	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	462	921	10	EPA 8270D	09/02/2020 07:24	09/03/2020 01:24	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	462	921	10	EPA 8270D	09/02/2020 07:24	09/03/2020 01:24	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	462	921	10	EPA 8270D	09/02/2020 07:24	09/03/2020 01:24	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**737**	J	ug/kg dry	462	921	10	EPA 8270D	09/02/2020 07:24	09/03/2020 01:24	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**1330**	CCV-L	ug/kg dry	462	921	10	EPA 8270D	09/02/2020 07:24	09/03/2020 01:24	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		ug/kg dry	1850	3690	10	EPA 8270D	09/02/2020 07:24	09/03/2020 01:24	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*67.2 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*57.6 %*	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*64.8 %*	*24-116*

Metals, Target Analyte

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
7429-90-5	**Aluminum**	**6700**		mg/kg dry	5.58	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:45	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	Antimony	ND		mg/kg dry	2.79	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:45	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	**Arsenic**	**4.65**		mg/kg dry	1.67	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:45	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**205**		mg/kg dry	2.79	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:45	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.056	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:45	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: SB-6 1'-2' **York Sample ID:** 20H1163-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 1:30 pm	08/28/2020

Metals, Target Analyte

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
7440-43-9	**Cadmium**	**0.927**		mg/kg dry	0.335	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:45	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**7910**		mg/kg dry	5.58	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:45	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**23.0**		mg/kg dry	0.558	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:45	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**6.43**		mg/kg dry	0.446	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:45	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**123**		mg/kg dry	2.23	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:45	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**21500**		mg/kg dry	27.9	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:45	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**214**	B	mg/kg dry	0.558	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:45	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**2360**		mg/kg dry	5.58	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:45	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**340**		mg/kg dry	0.558	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:45	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**64.1**		mg/kg dry	1.12	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:45	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1210**	B	mg/kg dry	5.58	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:45	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.79	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:45	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.558	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:45	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**207**	B	mg/kg dry	55.8	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:45	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.79	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:45	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**27.7**		mg/kg dry	1.12	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:45	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**734**		mg/kg dry	2.79	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:45	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

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**	**0.672**		mg/kg dry	0.0335	1	EPA 7473	09/02/2020 15:29	09/02/2020 21:03	MAO
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: SB-6 1'-2' **York Sample ID:** 20H1163-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 1:30 pm	08/28/2020

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	89.6		%	0.100	1	SM 2540G	08/31/2020 08:10	08/31/2020 17:10	SK
							Certifications: CTDOH			

Sample Information

Client Sample ID: SB-7 7'-9' **York Sample ID:** 20H1163-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 2:15 pm	08/28/2020

Volatile Organics, 8260 - Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	240	480	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	240	480	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	240	480	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	240	480	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	240	480	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	240	480	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	240	480	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	240	480	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI			
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	240	480	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	240	480	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI			
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	240	480	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	240	480	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	240	480	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			

Sample Information

Client Sample ID: SB-7 7'-9' **York Sample ID:** 20H1163-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 2:15 pm	08/28/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	240	480	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	240	480	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	240	480	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	240	480	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	240	480	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	240	480	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
123-91-1	1,4-Dioxane	ND		ug/kg dry	4800	9700	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAL		
78-93-3	2-Butanone	ND		ug/kg dry	240	480	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
591-78-6	2-Hexanone	ND		ug/kg dry	240	480	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	240	480	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
67-64-1	Acetone	ND		ug/kg dry	480	970	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
107-02-8	Acrolein	ND		ug/kg dry	480	970	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
107-13-1	Acrylonitrile	ND		ug/kg dry	240	480	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
71-43-2	Benzene	ND		ug/kg dry	240	480	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
74-97-5	Bromochloromethane	ND		ug/kg dry	240	480	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAL		
75-27-4	Bromodichloromethane	ND		ug/kg dry	240	480	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
75-25-2	Bromoform	ND		ug/kg dry	240	480	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
74-83-9	Bromomethane	ND		ug/kg dry	240	480	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
75-15-0	Carbon disulfide	ND		ug/kg dry	240	480	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
56-23-5	Carbon tetrachloride	ND		ug/kg dry	240	480	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
108-90-7	Chlorobenzene	ND		ug/kg dry	240	480	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		

Sample Information

Client Sample ID: SB-7 7'-9' **York Sample ID:** 20H1163-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 2:15 pm	08/28/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-00-3	Chloroethane	ND		ug/kg dry	240	480	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
67-66-3	Chloroform	ND		ug/kg dry	240	480	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
74-87-3	Chloromethane	ND		ug/kg dry	240	480	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	240	480	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	240	480	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
110-82-7	Cyclohexane	ND		ug/kg dry	240	480	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAL		
124-48-1	Dibromochloromethane	ND		ug/kg dry	240	480	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAL		
74-95-3	Dibromomethane	ND		ug/kg dry	240	480	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAL		
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	240	480	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAL		
100-41-4	Ethyl Benzene	ND		ug/kg dry	240	480	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	240	480	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAL		
98-82-8	Isopropylbenzene	ND		ug/kg dry	240	480	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
79-20-9	Methyl acetate	ND		ug/kg dry	240	480	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAL		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	240	480	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
108-87-2	Methylcyclohexane	ND		ug/kg dry	240	480	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAL		
75-09-2	Methylene chloride	ND		ug/kg dry	480	970	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
104-51-8	n-Butylbenzene	ND		ug/kg dry	240	480	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
103-65-1	n-Propylbenzene	ND		ug/kg dry	240	480	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
95-47-6	o-Xylene	ND		ug/kg dry	240	480	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PA		
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	480	970	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PA		
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	240	480	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		

Sample Information

Client Sample ID: SB-7 7'-9' **York Sample ID:** 20H1163-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 2:15 pm	08/28/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
135-98-8	sec-Butylbenzene	ND		ug/kg dry	240	480	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
100-42-5	Styrene	ND		ug/kg dry	240	2400	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	240	480	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
98-06-6	tert-Butylbenzene	ND		ug/kg dry	240	480	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
127-18-4	Tetrachloroethylene	ND		ug/kg dry	240	480	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
108-88-3	Toluene	ND		ug/kg dry	240	480	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	240	480	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	240	480	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	240	480	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications:	CTDOH		
79-01-6	Trichloroethylene	ND		ug/kg dry	240	480	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	240	480	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
75-01-4	Vinyl Chloride	ND		ug/kg dry	240	480	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
1330-20-7	Xylenes, Total	ND		ug/kg dry	730	1500	100	EPA 8260C	09/03/2020 09:30	09/03/2020 12:39	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*112 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*89.7 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*98.5 %*	*76-130*

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	46.4	92.7	2	EPA 8270D	09/02/2020 07:24	09/03/2020 01:59	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	46.4	92.7	2	EPA 8270D	09/02/2020 07:24	09/03/2020 01:59	OW
								Certifications:	NELAC-NY10854,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	46.4	92.7	2	EPA 8270D	09/02/2020 07:24	09/03/2020 01:59	OW
								Certifications:	NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: SB-7 7'-9' **York Sample ID:** 20H1163-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 2:15 pm	08/28/2020

Semi-Volatiles, 8270 Base/Neutrals **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	46.4	92.7	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	09/02/2020 07:24	09/03/2020 01:59	OW
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	46.4	92.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 07:24	09/03/2020 01:59	OW
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	46.4	92.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 07:24	09/03/2020 01:59	OW
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	46.4	92.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 07:24	09/03/2020 01:59	OW
91-57-6	**2-Methylnaphthalene**	**20800**		ug/kg dry	464	927	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 07:24	09/03/2020 13:15	OW
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	46.4	92.7	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/02/2020 07:24	09/03/2020 01:59	OW
99-09-2	3-Nitroaniline	ND		ug/kg dry	92.7	185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 07:24	09/03/2020 01:59	OW
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	46.4	92.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 07:24	09/03/2020 01:59	OW
106-47-8	4-Chloroaniline	ND		ug/kg dry	46.4	92.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 07:24	09/03/2020 01:59	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	46.4	92.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 07:24	09/03/2020 01:59	OW
100-01-6	4-Nitroaniline	ND		ug/kg dry	92.7	185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 07:24	09/03/2020 01:59	OW
83-32-9	**Acenaphthene**	**1220**		ug/kg dry	46.4	92.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 07:24	09/03/2020 01:59	OW
208-96-8	**Acenaphthylene**	**345**		ug/kg dry	46.4	92.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 07:24	09/03/2020 01:59	OW
62-53-3	Aniline	ND		ug/kg dry	186	371	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/02/2020 07:24	09/03/2020 01:59	OW
120-12-7	**Anthracene**	**549**		ug/kg dry	46.4	92.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 07:24	09/03/2020 01:59	OW
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	46.4	92.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 07:24	09/03/2020 01:59	OW
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	46.4	92.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 07:24	09/03/2020 01:59	OW
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	46.4	92.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 07:24	09/03/2020 01:59	OW
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	46.4	92.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 07:24	09/03/2020 01:59	OW
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	46.4	92.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 07:24	09/03/2020 01:59	OW
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	46.4	92.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 07:24	09/03/2020 01:59	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	46.4	92.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 07:24	09/03/2020 01:59	OW

Sample Information

Client Sample ID: SB-7 7'-9' **York Sample ID:** 20H1163-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 2:15 pm	08/28/2020

Semi-Volatiles, 8270 Base/Neutrals **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	46.4	92.7	2	EPA 8270D	09/02/2020 07:24	09/03/2020 01:59	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND	CCV-L	ug/kg dry	46.4	92.7	2	EPA 8270D	09/02/2020 07:24	09/03/2020 01:59	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	46.4	92.7	2	EPA 8270D	09/02/2020 07:24	09/03/2020 01:59	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		ug/kg dry	46.4	92.7	2	EPA 8270D	09/02/2020 07:24	09/03/2020 01:59	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		ug/kg dry	46.4	92.7	2	EPA 8270D	09/02/2020 07:24	09/03/2020 01:59	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	46.4	92.7	2	EPA 8270D	09/02/2020 07:24	09/03/2020 01:59	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	**Dibenzofuran**	**1060**		ug/kg dry	46.4	92.7	2	EPA 8270D	09/02/2020 07:24	09/03/2020 01:59	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		ug/kg dry	46.4	92.7	2	EPA 8270D	09/02/2020 07:24	09/03/2020 01:59	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		ug/kg dry	46.4	92.7	2	EPA 8270D	09/02/2020 07:24	09/03/2020 01:59	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	46.4	92.7	2	EPA 8270D	09/02/2020 07:24	09/03/2020 01:59	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	46.4	92.7	2	EPA 8270D	09/02/2020 07:24	09/03/2020 01:59	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**188**		ug/kg dry	46.4	92.7	2	EPA 8270D	09/02/2020 07:24	09/03/2020 01:59	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	**Fluorene**	**2120**		ug/kg dry	46.4	92.7	2	EPA 8270D	09/02/2020 07:24	09/03/2020 01:59	OW
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND	CCV-L	ug/kg dry	46.4	92.7	2	EPA 8270D	09/02/2020 07:24	09/03/2020 01:59	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	46.4	92.7	2	EPA 8270D	09/02/2020 07:24	09/03/2020 01:59	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	46.4	92.7	2	EPA 8270D	09/02/2020 07:24	09/03/2020 01:59	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		ug/kg dry	46.4	92.7	2	EPA 8270D	09/02/2020 07:24	09/03/2020 01:59	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	46.4	92.7	2	EPA 8270D	09/02/2020 07:24	09/03/2020 01:59	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		ug/kg dry	46.4	92.7	2	EPA 8270D	09/02/2020 07:24	09/03/2020 01:59	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	**Naphthalene**	**1160**		ug/kg dry	46.4	92.7	2	EPA 8270D	09/02/2020 07:24	09/03/2020 01:59	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		ug/kg dry	46.4	92.7	2	EPA 8270D	09/02/2020 07:24	09/03/2020 01:59	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	46.4	92.7	2	EPA 8270D	09/02/2020 07:24	09/03/2020 01:59	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: SB-7 7'-9' **York Sample ID:** 20H1163-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 2:15 pm	08/28/2020

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	46.4	92.7	2	EPA 8270D	09/02/2020 07:24	09/03/2020 01:59	OW
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	46.4	92.7	2	EPA 8270D	09/02/2020 07:24	09/03/2020 01:59	OW
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
85-01-8	**Phenanthrene**	**4840**		ug/kg dry	464	927	20	EPA 8270D	09/02/2020 07:24	09/03/2020 13:15	OW
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
129-00-0	**Pyrene**	**359**	CCV-L	ug/kg dry	46.4	92.7	2	EPA 8270D	09/02/2020 07:24	09/03/2020 01:59	OW
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
110-86-1	Pyridine	ND		ug/kg dry	186	371	2	EPA 8270D	09/02/2020 07:24	09/03/2020 01:59	OW
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result		Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*152 %*	S-08	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*64.7 %*		*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*77.4 %*		*24-116*

NJDEP EPH (Cat. 2 Non-Fractionated)

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
	*** Total EPH**	**1530**		mg/kg dry	520	10	NJDEP EPH Rev 3.0	09/10/2020 07:29	09/14/2020 11:23	SGM
							Certifications: NJDEP			

	Surrogate Recoveries	Result	Acceptance Range
3386-33-2	*Surrogate: 1-Chlorooctadecane*	*69.0 %*	*31.6-128*
84-15-1	*Surrogate: o-Terphenyl*	*45.5 %*	*28.7-124*

Metals, Target Analyte

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
7429-90-5	**Aluminum**	**7700**		mg/kg dry	5.61	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:53	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	Antimony	ND		mg/kg dry	2.81	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:53	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-38-2	**Arsenic**	**1.96**		mg/kg dry	1.68	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:53	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-39-3	**Barium**	**37.5**		mg/kg dry	2.81	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:53	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-41-7	Beryllium	ND		mg/kg dry	0.056	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:53	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-43-9	Cadmium	ND		mg/kg dry	0.337	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:53	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: SB-7 7'-9' **York Sample ID:** 20H1163-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 2:15 pm	08/28/2020

Metals, Target Analyte

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
7440-70-2	**Calcium**	**1230**		mg/kg dry	5.61	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:53	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**15.2**		mg/kg dry	0.561	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:53	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**6.13**		mg/kg dry	0.449	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:53	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**4.00**		mg/kg dry	2.24	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:53	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**18100**		mg/kg dry	28.1	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:53	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**2.23**	B	mg/kg dry	0.561	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:53	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**1610**		mg/kg dry	5.61	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:53	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**325**		mg/kg dry	0.561	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:53	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**11.6**		mg/kg dry	1.12	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:53	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**973**	B	mg/kg dry	5.61	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:53	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.81	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:53	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.561	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:53	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	Sodium	ND		mg/kg dry	56.1	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:53	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.81	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:53	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**21.6**		mg/kg dry	1.12	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:53	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**21.4**		mg/kg dry	2.81	1	EPA 6010D	08/31/2020 09:14	09/01/2020 15:53	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes: **Sample Notes:**

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	0.0337	1	EPA 7473	09/02/2020 15:29	09/02/2020 21:12	MAO
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

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

Sample Information

Client Sample ID: SB-7 7'-9' **York Sample ID:** 20H1163-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 2:15 pm	08/28/2020

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**	**89.1**		%	0.100	1	SM 2540G	08/31/2020 08:10	08/31/2020 17:10	SK
							Certifications: CTDOH			

Sample Information

Client Sample ID: SB-8 8'-11' **York Sample ID:** 20H1163-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 3:10 pm	08/28/2020

Volatile Organics, 8260 - Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	290	590	100	EPA 8260C	09/01/2020 09:30	09/01/2020 13:16	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	290	590	100	EPA 8260C	09/01/2020 09:30	09/01/2020 13:16	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	290	590	100	EPA 8260C	09/01/2020 09:30	09/01/2020 13:16	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	290	590	100	EPA 8260C	09/01/2020 09:30	09/01/2020 13:16	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	290	590	100	EPA 8260C	09/01/2020 09:30	09/01/2020 13:16	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	290	590	100	EPA 8260C	09/01/2020 09:30	09/01/2020 13:16	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	290	590	100	EPA 8260C	09/01/2020 09:30	09/01/2020 13:16	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	290	590	100	EPA 8260C	09/01/2020 09:30	09/01/2020 13:16	SS
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI			
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	290	590	100	EPA 8260C	09/01/2020 09:30	09/01/2020 13:16	SS
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	290	590	100	EPA 8260C	09/01/2020 09:30	09/01/2020 13:16	SS
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI			
95-63-6	**1,2,4-Trimethylbenzene**	**450**	J	ug/kg dry	290	590	100	EPA 8260C	09/01/2020 09:30	09/01/2020 13:16	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	290	590	100	EPA 8260C	09/01/2020 09:30	09/01/2020 13:16	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	290	590	100	EPA 8260C	09/01/2020 09:30	09/01/2020 13:16	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			

Sample Information

Client Sample ID: SB-8 8'-11' **York Sample ID:** 20H1163-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 3:10 pm	08/28/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	290	590	100	EPA 8260C	09/01/2020 09:30	09/01/2020 13:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	290	590	100	EPA 8260C	09/01/2020 09:30	09/01/2020 13:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	290	590	100	EPA 8260C	09/01/2020 09:30	09/01/2020 13:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	290	590	100	EPA 8260C	09/01/2020 09:30	09/01/2020 13:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	290	590	100	EPA 8260C	09/01/2020 09:30	09/01/2020 13:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	290	590	100	EPA 8260C	09/01/2020 09:30	09/01/2020 13:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
123-91-1	1,4-Dioxane	ND		ug/kg dry	5900	12000	100	EPA 8260C	09/01/2020 09:30	09/01/2020 13:16	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAL		
78-93-3	**2-Butanone**	**440**	J	ug/kg dry	290	590	100	EPA 8260C	09/01/2020 09:30	09/01/2020 13:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
591-78-6	2-Hexanone	ND		ug/kg dry	290	590	100	EPA 8260C	09/01/2020 09:30	09/01/2020 13:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	290	590	100	EPA 8260C	09/01/2020 09:30	09/01/2020 13:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
67-64-1	Acetone	ND		ug/kg dry	590	1200	100	EPA 8260C	09/01/2020 09:30	09/01/2020 13:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
107-02-8	Acrolein	ND		ug/kg dry	590	1200	100	EPA 8260C	09/01/2020 09:30	09/01/2020 13:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
107-13-1	Acrylonitrile	ND		ug/kg dry	290	590	100	EPA 8260C	09/01/2020 09:30	09/01/2020 13:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
71-43-2	Benzene	ND		ug/kg dry	290	590	100	EPA 8260C	09/01/2020 09:30	09/01/2020 13:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
74-97-5	Bromochloromethane	ND		ug/kg dry	290	590	100	EPA 8260C	09/01/2020 09:30	09/01/2020 13:16	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAL		
75-27-4	Bromodichloromethane	ND		ug/kg dry	290	590	100	EPA 8260C	09/01/2020 09:30	09/01/2020 13:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
75-25-2	Bromoform	ND		ug/kg dry	290	590	100	EPA 8260C	09/01/2020 09:30	09/01/2020 13:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
74-83-9	Bromomethane	ND		ug/kg dry	290	590	100	EPA 8260C	09/01/2020 09:30	09/01/2020 13:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
75-15-0	Carbon disulfide	ND		ug/kg dry	290	590	100	EPA 8260C	09/01/2020 09:30	09/01/2020 13:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
56-23-5	Carbon tetrachloride	ND		ug/kg dry	290	590	100	EPA 8260C	09/01/2020 09:30	09/01/2020 13:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
108-90-7	Chlorobenzene	ND		ug/kg dry	290	590	100	EPA 8260C	09/01/2020 09:30	09/01/2020 13:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		

Sample Information

Client Sample ID: SB-8 8'-11' **York Sample ID:** 20H1163-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 3:10 pm	08/28/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-00-3	Chloroethane	ND		ug/kg dry	290	590	100	EPA 8260C Certifications:	09/01/2020 09:30	09/01/2020 13:16 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	SS
67-66-3	Chloroform	ND		ug/kg dry	290	590	100	EPA 8260C Certifications:	09/01/2020 09:30	09/01/2020 13:16 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	SS
74-87-3	Chloromethane	ND		ug/kg dry	290	590	100	EPA 8260C Certifications:	09/01/2020 09:30	09/01/2020 13:16 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	290	590	100	EPA 8260C Certifications:	09/01/2020 09:30	09/01/2020 13:16 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	290	590	100	EPA 8260C Certifications:	09/01/2020 09:30	09/01/2020 13:16 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	SS
110-82-7	Cyclohexane	ND		ug/kg dry	290	590	100	EPA 8260C Certifications:	09/01/2020 09:30	09/01/2020 13:16 NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	290	590	100	EPA 8260C Certifications:	09/01/2020 09:30	09/01/2020 13:16 NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	SS
74-95-3	Dibromomethane	ND		ug/kg dry	290	590	100	EPA 8260C Certifications:	09/01/2020 09:30	09/01/2020 13:16 NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	290	590	100	EPA 8260C Certifications:	09/01/2020 09:30	09/01/2020 13:16 NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	290	590	100	EPA 8260C Certifications:	09/01/2020 09:30	09/01/2020 13:16 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	290	590	100	EPA 8260C Certifications:	09/01/2020 09:30	09/01/2020 13:16 NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	SS
98-82-8	**Isopropylbenzene**	**470**	J	ug/kg dry	290	590	100	EPA 8260C Certifications:	09/01/2020 09:30	09/01/2020 13:16 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	SS
79-20-9	Methyl acetate	ND		ug/kg dry	290	590	100	EPA 8260C Certifications:	09/01/2020 09:30	09/01/2020 13:16 NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	290	590	100	EPA 8260C Certifications:	09/01/2020 09:30	09/01/2020 13:16 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	SS
108-87-2	Methylcyclohexane	ND		ug/kg dry	290	590	100	EPA 8260C Certifications:	09/01/2020 09:30	09/01/2020 13:16 NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	SS
75-09-2	Methylene chloride	ND		ug/kg dry	590	1200	100	EPA 8260C Certifications:	09/01/2020 09:30	09/01/2020 13:16 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	SS
104-51-8	**n-Butylbenzene**	**3300**		ug/kg dry	290	590	100	EPA 8260C Certifications:	09/01/2020 09:30	09/01/2020 13:16 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	SS
103-65-1	**n-Propylbenzene**	**500**	J	ug/kg dry	290	590	100	EPA 8260C Certifications:	09/01/2020 09:30	09/01/2020 13:16 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	SS
95-47-6	o-Xylene	ND		ug/kg dry	290	590	100	EPA 8260C Certifications:	09/01/2020 09:30	09/01/2020 13:16 CTDOH,NELAC-NY10854,NELAC-NY12058,PA	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	590	1200	100	EPA 8260C Certifications:	09/01/2020 09:30	09/01/2020 13:16 CTDOH,NELAC-NY10854,NELAC-NY12058,PA	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	290	590	100	EPA 8260C Certifications:	09/01/2020 09:30	09/01/2020 13:16 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	SS
135-98-8	**sec-Butylbenzene**	**6200**		ug/kg dry	290	590	100	EPA 8260C Certifications:	09/01/2020 09:30	09/01/2020 13:16 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	SS

Sample Information

Client Sample ID: SB-8 8'-11' **York Sample ID:** 20H1163-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 3:10 pm	08/28/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-42-5	Styrene	ND		ug/kg dry	290	590	100	EPA 8260C	09/01/2020 09:30	09/01/2020 13:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	290	2900	100	EPA 8260C	09/01/2020 09:30	09/01/2020 13:16	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAL		
98-06-6	tert-Butylbenzene	ND		ug/kg dry	290	590	100	EPA 8260C	09/01/2020 09:30	09/01/2020 13:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
127-18-4	Tetrachloroethylene	ND		ug/kg dry	290	590	100	EPA 8260C	09/01/2020 09:30	09/01/2020 13:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
108-88-3	Toluene	ND		ug/kg dry	290	590	100	EPA 8260C	09/01/2020 09:30	09/01/2020 13:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	290	590	100	EPA 8260C	09/01/2020 09:30	09/01/2020 13:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	290	590	100	EPA 8260C	09/01/2020 09:30	09/01/2020 13:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	290	590	100	EPA 8260C	09/01/2020 09:30	09/01/2020 13:16	SS
								Certifications:	CTDOH		
79-01-6	Trichloroethylene	ND		ug/kg dry	290	590	100	EPA 8260C	09/01/2020 09:30	09/01/2020 13:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	290	590	100	EPA 8260C	09/01/2020 09:30	09/01/2020 13:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
75-01-4	Vinyl Chloride	ND		ug/kg dry	290	590	100	EPA 8260C	09/01/2020 09:30	09/01/2020 13:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
1330-20-7	Xylenes, Total	ND		ug/kg dry	880	1800	100	EPA 8260C	09/01/2020 09:30	09/01/2020 13:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*104 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*92.1 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*116 %*	*76-130*

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	48.6	97.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 02:34	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	48.6	97.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 02:34	OW
								Certifications:	NELAC-NY10854,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	48.6	97.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 02:34	OW
								Certifications:	NELAC-NY10854,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	48.6	97.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 02:34	OW
								Certifications:	NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: SB-8 8'-11' **York Sample ID:** 20H1163-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 3:10 pm	08/28/2020

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	48.6	97.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 02:34	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	48.6	97.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 02:34	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	48.6	97.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 02:34	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	**2-Methylnaphthalene**	**737**		ug/kg dry	48.6	97.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 02:34	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	48.6	97.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 02:34	OW
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		ug/kg dry	97.0	194	2	EPA 8270D	09/02/2020 07:24	09/03/2020 02:34	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	48.6	97.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 02:34	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		ug/kg dry	48.6	97.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 02:34	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	48.6	97.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 02:34	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		ug/kg dry	97.0	194	2	EPA 8270D	09/02/2020 07:24	09/03/2020 02:34	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	**Acenaphthene**	**1540**		ug/kg dry	48.6	97.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 02:34	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	**Acenaphthylene**	**457**		ug/kg dry	48.6	97.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 02:34	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		ug/kg dry	194	388	2	EPA 8270D	09/02/2020 07:24	09/03/2020 02:34	OW
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**986**		ug/kg dry	48.6	97.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 02:34	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
56-55-3	**Benzo(a)anthracene**	**1100**		ug/kg dry	48.6	97.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 02:34	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	**Benzo(a)pyrene**	**1020**		ug/kg dry	48.6	97.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 02:34	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**966**		ug/kg dry	48.6	97.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 02:34	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**568**		ug/kg dry	48.6	97.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 02:34	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**852**		ug/kg dry	48.6	97.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 02:34	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	48.6	97.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 02:34	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	48.6	97.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 02:34	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	48.6	97.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 02:34	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: SB-8 8'-11' **York Sample ID:** 20H1163-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 3:10 pm	08/28/2020

Semi-Volatiles, 8270 Base/Neutrals **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-60-1	Bis(2-chloroisopropyl)ether	ND	CCV-L	ug/kg dry	48.6	97.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 02:34	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	48.6	97.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 02:34	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		ug/kg dry	48.6	97.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 02:34	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**1090**		ug/kg dry	48.6	97.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 02:34	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	**Dibenzo(a,h)anthracene**	**238**		ug/kg dry	48.6	97.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 02:34	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	**Dibenzofuran**	**910**		ug/kg dry	48.6	97.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 02:34	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		ug/kg dry	48.6	97.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 02:34	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		ug/kg dry	48.6	97.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 02:34	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	48.6	97.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 02:34	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	48.6	97.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 02:34	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**3000**		ug/kg dry	48.6	97.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 02:34	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	**Fluorene**	**2800**		ug/kg dry	48.6	97.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 02:34	OW
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND	CCV-L	ug/kg dry	48.6	97.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 02:34	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	48.6	97.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 02:34	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	48.6	97.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 02:34	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		ug/kg dry	48.6	97.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 02:34	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**535**		ug/kg dry	48.6	97.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 02:34	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		ug/kg dry	48.6	97.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 02:34	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	**Naphthalene**	**550**		ug/kg dry	48.6	97.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 02:34	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		ug/kg dry	48.6	97.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 02:34	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	48.6	97.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 02:34	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	48.6	97.0	2	EPA 8270D	09/02/2020 07:24	09/03/2020 02:34	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: SB-8 8'-11' **York Sample ID:** 20H1163-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 3:10 pm	08/28/2020

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	48.6	97.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 07:24	09/03/2020 02:34	OW
85-01-8	**Phenanthrene**	**6520**		ug/kg dry	243	485	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 07:24	09/03/2020 13:47	OW
129-00-0	**Pyrene**	**2460**	CCV-L	ug/kg dry	48.6	97.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 07:24	09/03/2020 02:34	OW
110-86-1	Pyridine	ND		ug/kg dry	194	388	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 07:24	09/03/2020 02:34	OW

	Surrogate Recoveries	Result		Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*225 %*	S-08	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*67.8 %*		*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*73.2 %*		*24-116*

NJDEP EPH (Cat. 2 Non-Fractionated)

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
	*** Total EPH**	**2230**		mg/kg dry	578	10	NJDEP EPH Rev 3.0 Certifications: NJDEP	09/10/2020 07:29	09/14/2020 11:52	SGM

	Surrogate Recoveries	Result	Acceptance Range
3386-33-2	*Surrogate: 1-Chlorooctadecane*	*92.4 %*	*31.6-128*
84-15-1	*Surrogate: o-Terphenyl*	*42.0 %*	*28.7-124*

Metals, Target Analyte

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
7429-90-5	**Aluminum**	**5960**		mg/kg dry	5.89	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/31/2020 09:14	09/01/2020 16:00	KML
7440-36-0	Antimony	ND		mg/kg dry	2.95	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/31/2020 09:14	09/01/2020 16:00	KML
7440-38-2	**Arsenic**	**4.29**		mg/kg dry	1.77	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/31/2020 09:14	09/01/2020 16:00	KML
7440-39-3	**Barium**	**72.7**		mg/kg dry	2.95	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/31/2020 09:14	09/01/2020 16:00	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.059	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/31/2020 09:14	09/01/2020 16:00	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.354	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/31/2020 09:14	09/01/2020 16:00	KML
7440-70-2	**Calcium**	**2080**		mg/kg dry	5.89	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/31/2020 09:14	09/01/2020 16:00	KML

Sample Information

Client Sample ID: SB-8 8'-11' **York Sample ID:** 20H1163-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 3:10 pm	08/28/2020

Metals, Target Analyte

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
7440-47-3	**Chromium**	**14.2**		mg/kg dry	0.589	1	EPA 6010D	08/31/2020 09:14	09/01/2020 16:00	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**5.19**		mg/kg dry	0.471	1	EPA 6010D	08/31/2020 09:14	09/01/2020 16:00	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**49.6**		mg/kg dry	2.36	1	EPA 6010D	08/31/2020 09:14	09/01/2020 16:00	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**13400**		mg/kg dry	29.5	1	EPA 6010D	08/31/2020 09:14	09/01/2020 16:00	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**253**	B	mg/kg dry	0.589	1	EPA 6010D	08/31/2020 09:14	09/01/2020 16:00	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**1540**		mg/kg dry	5.89	1	EPA 6010D	08/31/2020 09:14	09/01/2020 16:00	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**153**		mg/kg dry	0.589	1	EPA 6010D	08/31/2020 09:14	09/01/2020 16:00	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**12.7**		mg/kg dry	1.18	1	EPA 6010D	08/31/2020 09:14	09/01/2020 16:00	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**803**	B	mg/kg dry	5.89	1	EPA 6010D	08/31/2020 09:14	09/01/2020 16:00	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.95	1	EPA 6010D	08/31/2020 09:14	09/01/2020 16:00	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.589	1	EPA 6010D	08/31/2020 09:14	09/01/2020 16:00	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**153**	B	mg/kg dry	58.9	1	EPA 6010D	08/31/2020 09:14	09/01/2020 16:00	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.95	1	EPA 6010D	08/31/2020 09:14	09/01/2020 16:00	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**23.9**		mg/kg dry	1.18	1	EPA 6010D	08/31/2020 09:14	09/01/2020 16:00	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**128**		mg/kg dry	2.95	1	EPA 6010D	08/31/2020 09:14	09/01/2020 16:00	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

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**	**2.99**		mg/kg dry	0.0354	1	EPA 7473	09/02/2020 15:29	09/02/2020 21:20	MAO
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

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**	**84.8**		%	0.100	1	SM 2540G	08/31/2020 08:10	08/31/2020 17:10	SK
							Certifications:	CTDOH		

Sample Information

Client Sample ID: **SB-8 8'-11'** **York Sample ID:** **20H1163-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1163	2003975 1288 Willoughby	Soil	August 28, 2020 3:10 pm	08/28/2020

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
20H1163-01	SB-1 0'-4'	40mL Vial with Stir Bar-Cool 4° C
20H1163-02	SB-2 1'-3'	40mL Vial with Stir Bar-Cool 4° C
20H1163-03	SB-3 0'-4'	40mL Vial with Stir Bar-Cool 4° C
20H1163-04	SB-4 12'-16'	40mL Vial with Stir Bar-Cool 4° C
20H1163-05	SB-5 12'-16'	40mL Vial with Stir Bar-Cool 4° C
20H1163-06	SB-6 1'-2'	40mL Vial with Stir Bar-Cool 4° C
20H1163-07	SB-7 7'-9'	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
20H1163-08	SB-8 8'-11'	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

SCAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%).
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.
M-MBLk	Analyte was detected in the batch method blank above the Reporting Limit.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
CCV-L	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.
CCV-E	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).
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 NJEPH analysis.

York Analytical Laboratories, Inc.
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www.yorklab.com

Field Chain-of-Custody Record

NOTE: 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.

YORK Project No.: 20H1163

Page 1 of 1

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: GEI Consultants	Company:	Company:	200 3975	RUSH - Next Day
Address: 1000 N.Y. AVENUE Huntington Sta 11746	Address: SAME	Address: SAME	YOUR Project Name: 1288 Willoughby	RUSH - Two Day
Phone: 631 759 2974	Phone:	Phone:		RUSH - Three Day
Contact: RICH FASCIANI	Contact:	Contact:		RUSH - Four Day
E-mail: RFASCIANI@GEICONSULTANTS.COM	E-mail:	E-mail:	YOUR PO#: 2003975	Standard (5-7 Day) X

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.

Rich FASCIANI

Samples Collected by: (print your name above and sign below)

R. Fasciani

Matrix Codes: (S) soil / solid; GW - groundwater; DW - drinking water; WW - wastewater; O - Oil; Other

Samples From: (New York); New Jersey; Connecticut; Pennsylvania; Other

Report / EDD Type (circle selections): (Summary Report); QA Report; NY ASP A Package; NY ASP B Package; CT RCP; CT RCP DQA/DUE; NJDEP Reduced Deliverables; NJDKQP; (Standard Excel EDD); EQuIS (Standard); NYSDEC EQuIS; NJDEP SRP HazSite; Other:

YORK Reg. Comp.: Compared to the following Regulation(s): (please fill in) UNRESTRICTED + COMMERCIAL

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
SB-1 0'-4'	S	2/28 - 9:50AM	8260, 8270, TOTAL METALS	1 TERRACORE ST + 1 8oz
-2 1'-3'		2/28 - 9:45 AM		
-3 0'-4'		2/28 - 10:30AM		
-4 12'-16'		2/28 - 11:00AM		
-5 12'-16'		- 12:45PM		
-6 1'-2'		- 1:30PM		
-7 7'-9'		- 2:15PM		
-8 8'-11'		- 3:10PM		

Comments:

Preservation: (check all that apply) HCl ___ MeOH X HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other: DI WATER/ICE

Special Instruction: Field Filtered ___ Lab to Filter ___

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
GEI	8/28	York (direct from field)	8/28/20 1454 280	York	8/28/20 16:54
York	8/28/20 1654	GEI	8/28/20 1948		
				Samples Received in LAB by	Temp. Received at Lab
				8/28/2020 1948	1.3 Degrees C

Technical Report

prepared for:

GEI Consultants, Inc
1000 New York Ave
Huntington Station NY, 11746
Attention: Rich Fasciani

Report Date: 09/04/2020
Client Project ID: 2003975 1288 Willoughby
York Project (SDG) No.: 20H1164

Report Date: 09/04/2020
Client Project ID: 2003975 1288 Willoughby
York Project (SDG) No.: 20H1164

GEI Consultants, Inc
1000 New York Ave
Huntington Station NY, 11746
Attention: Rich Fasciani

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 August 28, 2020 with a temperature of 1.3 C. The project was identified as your project: **2003975 1288 Willoughby**.

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.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
20H1164-01	GW-1	Water	08/28/2020	08/28/2020
20H1164-02	GW-2	Water	08/28/2020	08/28/2020

General Notes for York Project (SDG) No.: 20H1164

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: 09/04/2020

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: GW-1 **York Sample ID:** 20H1164-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1164	2003975 1288 Willoughby	Water	August 28, 2020 11:40 am	08/28/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 06:57	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 06:57	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 06:57	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 06:57	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 06:57	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 06:57	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 06:57	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 06:57	TMP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 06:57	TMP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 06:57	TMP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 06:57	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 06:57	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 06:57	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 06:57	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 06:57	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 06:57	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 06:57	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 06:57	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 06:57	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	09/01/2020 06:45	09/02/2020 06:57	TMP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: GW-1 **York Sample ID:** 20H1164-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1164	2003975 1288 Willoughby	Water	August 28, 2020 11:40 am	08/28/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 06:57	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 06:57	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 06:57	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	09/01/2020 06:45	09/02/2020 06:57	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 06:57	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 06:57	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 06:57	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 06:57	TMP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAL		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 06:57	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 06:57	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 06:57	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 06:57	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 06:57	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 06:57	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 06:57	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 06:57	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 06:57	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 06:57	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 06:57	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 06:57	TMP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAL		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 06:57	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		

Sample Information

Client Sample ID: GW-1 **York Sample ID:** 20H1164-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1164	2003975 1288 Willoughby	Water	August 28, 2020 11:40 am	08/28/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/01/2020 06:45 NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	09/02/2020 06:57	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/01/2020 06:45 NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	09/02/2020 06:57	TMP
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/01/2020 06:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/02/2020 06:57	TMP
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/01/2020 06:45 NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	09/02/2020 06:57	TMP
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/01/2020 06:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/02/2020 06:57	TMP
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/01/2020 06:45 NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	09/02/2020 06:57	TMP
1634-04-4	**Methyl tert-butyl ether (MTBE)**	**1.6**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/01/2020 06:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/02/2020 06:57	TMP
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/01/2020 06:45 NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	09/02/2020 06:57	TMP
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	09/01/2020 06:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/02/2020 06:57	TMP
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/01/2020 06:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/02/2020 06:57	TMP
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/01/2020 06:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/02/2020 06:57	TMP
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/01/2020 06:45 CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/02/2020 06:57	TMP
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	09/01/2020 06:45 CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/02/2020 06:57	TMP
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/01/2020 06:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/02/2020 06:57	TMP
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/01/2020 06:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/02/2020 06:57	TMP
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/01/2020 06:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/02/2020 06:57	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	09/01/2020 06:45 NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	09/02/2020 06:57	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/01/2020 06:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/02/2020 06:57	TMP
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/01/2020 06:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/02/2020 06:57	TMP
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/01/2020 06:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/02/2020 06:57	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/01/2020 06:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/02/2020 06:57	TMP

Sample Information

Client Sample ID: GW-1 **York Sample ID:** 20H1164-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1164	2003975 1288 Willoughby	Water	August 28, 2020 11:40 am	08/28/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 06:57	TMP
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 06:57	TMP
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 06:57	TMP
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 06:57	TMP
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 06:57	TMP
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	09/01/2020 06:45	09/02/2020 06:57	TMP
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*112 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*99.7 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*102 %*	*79-122*

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.67	5.41	1	EPA 8270D	09/01/2020 08:02	09/01/2020 22:16	OW
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.69	5.41	1	EPA 8270D	09/01/2020 08:02	09/01/2020 22:16	OW
								Certifications: NELAC-NY10854,PADEP			
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.82	5.41	1	EPA 8270D	09/01/2020 08:02	09/01/2020 22:16	OW
								Certifications: NELAC-NY10854,PADEP			
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.39	5.41	1	EPA 8270D	09/01/2020 08:02	09/01/2020 22:16	OW
								Certifications: NELAC-NY10854,PADEP			
121-14-2	2,4-Dinitrotoluene	ND		ug/L	1.74	5.41	1	EPA 8270D	09/01/2020 08:02	09/01/2020 22:16	OW
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
606-20-2	2,6-Dinitrotoluene	ND		ug/L	1.74	5.41	1	EPA 8270D	09/01/2020 08:02	09/01/2020 22:16	OW
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-58-7	2-Chloronaphthalene	ND		ug/L	2.38	5.41	1	EPA 8270D	09/01/2020 08:02	09/01/2020 22:16	OW
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-57-6	2-Methylnaphthalene	ND		ug/L	2.98	5.41	1	EPA 8270D	09/01/2020 08:02	09/01/2020 22:16	OW
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
88-74-4	2-Nitroaniline	ND		ug/L	1.82	5.41	1	EPA 8270D	09/01/2020 08:02	09/01/2020 22:16	OW
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	1.37	5.41	1	EPA 8270D	09/01/2020 08:02	09/01/2020 22:16	OW
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: GW-1 **York Sample ID:** 20H1164-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1164	2003975 1288 Willoughby	Water	August 28, 2020 11:40 am	08/28/2020

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-09-2	3-Nitroaniline	ND		ug/L	1.82	5.41	1	EPA 8270D	09/01/2020 08:02	09/01/2020 22:16	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	1.44	5.41	1	EPA 8270D	09/01/2020 08:02	09/01/2020 22:16	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		ug/L	3.22	5.41	1	EPA 8270D	09/01/2020 08:02	09/01/2020 22:16	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.65	5.41	1	EPA 8270D	09/01/2020 08:02	09/01/2020 22:16	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		ug/L	2.90	5.41	1	EPA 8270D	09/01/2020 08:02	09/01/2020 22:16	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		ug/L	0.0541	0.0541	1	EPA 8270D	09/01/2020 08:02	09/02/2020 00:00	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		ug/L	0.0541	0.0541	1	EPA 8270D	09/01/2020 08:02	09/02/2020 00:00	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		ug/L	1.62	5.41	1	EPA 8270D	09/01/2020 08:02	09/01/2020 22:16	OW
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		ug/L	0.0541	0.0541	1	EPA 8270D	09/01/2020 08:02	09/02/2020 00:00	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0541	0.0541	1	EPA 8270D	09/01/2020 08:02	09/02/2020 00:00	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0541	0.0541	1	EPA 8270D	09/01/2020 08:02	09/02/2020 00:00	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0541	0.0541	1	EPA 8270D	09/01/2020 08:02	09/02/2020 00:00	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0541	0.0541	1	EPA 8270D	09/01/2020 08:02	09/02/2020 00:00	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0541	0.0541	1	EPA 8270D	09/01/2020 08:02	09/02/2020 00:00	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		ug/L	0.921	5.41	1	EPA 8270D	09/01/2020 08:02	09/01/2020 22:16	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	1.91	5.41	1	EPA 8270D	09/01/2020 08:02	09/01/2020 22:16	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.62	5.41	1	EPA 8270D	09/01/2020 08:02	09/01/2020 22:16	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	3.23	5.41	1	EPA 8270D	09/01/2020 08:02	09/01/2020 22:16	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.541	0.541	1	EPA 8270D	09/01/2020 08:02	09/02/2020 00:00	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		ug/L	1.42	5.41	1	EPA 8270D	09/01/2020 08:02	09/01/2020 22:16	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		ug/L	0.0541	0.0541	1	EPA 8270D	09/01/2020 08:02	09/02/2020 00:00	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: GW-1 **York Sample ID:** 20H1164-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1164	2003975 1288 Willoughby	Water	August 28, 2020 11:40 am	08/28/2020

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0541	0.0541	1	EPA 8270D	09/01/2020 08:02	09/02/2020 00:00	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		ug/L	2.61	5.41	1	EPA 8270D	09/01/2020 08:02	09/01/2020 22:16	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		ug/L	2.77	5.41	1	EPA 8270D	09/01/2020 08:02	09/01/2020 22:16	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		ug/L	2.06	5.41	1	EPA 8270D	09/01/2020 08:02	09/01/2020 22:16	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.22	5.41	1	EPA 8270D	09/01/2020 08:02	09/01/2020 22:16	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		ug/L	1.21	5.41	1	EPA 8270D	09/01/2020 08:02	09/01/2020 22:16	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		ug/L	0.0541	0.0541	1	EPA 8270D	09/01/2020 08:02	09/02/2020 00:00	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	Fluorene	ND		ug/L	0.0541	0.0541	1	EPA 8270D	09/01/2020 08:02	09/02/2020 00:00	OW
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		ug/L	0.0216	0.0216	1	EPA 8270D	09/01/2020 08:02	09/02/2020 00:00	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.541	0.541	1	EPA 8270D	09/01/2020 08:02	09/02/2020 00:00	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.74	5.41	1	EPA 8270D	09/01/2020 08:02	09/01/2020 22:16	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		ug/L	0.541	0.541	1	EPA 8270D	09/01/2020 08:02	09/02/2020 00:00	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0541	0.0541	1	EPA 8270D	09/01/2020 08:02	09/02/2020 00:00	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		ug/L	2.90	5.41	1	EPA 8270D	09/01/2020 08:02	09/01/2020 22:16	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		ug/L	0.0541	0.0541	1	EPA 8270D	09/01/2020 08:02	09/02/2020 00:00	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		ug/L	0.270	0.270	1	EPA 8270D	09/01/2020 08:02	09/02/2020 00:00	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.541	0.541	1	EPA 8270D	09/01/2020 08:02	09/02/2020 00:00	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.77	5.41	1	EPA 8270D	09/01/2020 08:02	09/01/2020 22:16	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	5.41	5.41	1	EPA 8270D	09/01/2020 08:02	09/01/2020 22:16	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		ug/L	0.0541	0.0541	1	EPA 8270D	09/01/2020 08:02	09/02/2020 00:00	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	ND		ug/L	0.0541	0.0541	1	EPA 8270D	09/01/2020 08:02	09/02/2020 00:00	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: GW-1 **York Sample ID:** 20H1164-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1164	2003975 1288 Willoughby	Water	August 28, 2020 11:40 am	08/28/2020

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-86-1	Pyridine	ND		ug/L	4.23	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/01/2020 08:02	09/01/2020 22:16	OW

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*58.8 %*	*50.2-113*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*63.8 %*	*39.9-105*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*67.2 %*	*30.7-106*

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**3.46**		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/31/2020 12:45	09/04/2020 15:15	KML
7440-39-3	**Barium**	**0.606**		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/31/2020 12:45	09/04/2020 15:15	KML
7440-70-2	**Calcium**	**127**		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/31/2020 12:45	09/04/2020 15:15	KML
7440-47-3	**Chromium**	**0.387**		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/31/2020 12:45	09/04/2020 15:15	KML
7440-48-4	**Cobalt**	**0.0159**		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/31/2020 12:45	09/04/2020 15:15	KML
7440-50-8	**Copper**	**0.0543**		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/31/2020 12:45	09/04/2020 15:15	KML
7439-89-6	**Iron**	**11.0**		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/31/2020 12:45	09/04/2020 15:15	KML
7439-92-1	**Lead**	**0.0124**		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/31/2020 12:45	09/04/2020 15:15	KML
7439-95-4	**Magnesium**	**33.0**		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/31/2020 12:45	09/04/2020 15:15	KML
7439-96-5	**Manganese**	**4.46**		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/31/2020 12:45	09/04/2020 15:15	KML
7440-02-0	**Nickel**	**2.44**		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/31/2020 12:45	09/04/2020 15:15	KML
7440-09-7	**Potassium**	**10.6**		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/31/2020 12:45	09/04/2020 15:15	KML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/31/2020 12:45	09/04/2020 15:15	KML
7440-23-5	**Sodium**	**169**		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/31/2020 12:45	09/04/2020 15:15	KML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/31/2020 12:45	09/04/2020 15:15	KML
7440-66-6	**Zinc**	**0.0551**		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/31/2020 12:45	09/04/2020 15:15	KML

Sample Information

Client Sample ID: GW-1 **York Sample ID:** 20H1164-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1164	2003975 1288 Willoughby	Water	August 28, 2020 11:40 am	08/28/2020

Metals, Target Analyte, ICP Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010D	09/01/2020 13:59	09/04/2020 11:25	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**0.138**		mg/L	0.0278	1	EPA 6010D	09/01/2020 13:59	09/04/2020 11:25	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**125**		mg/L	0.0556	1	EPA 6010D	09/01/2020 13:59	09/04/2020 11:25	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D	09/01/2020 13:59	09/04/2020 11:25	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**0.00777**		mg/L	0.00444	1	EPA 6010D	09/01/2020 13:59	09/04/2020 11:25	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D	09/01/2020 13:59	09/04/2020 11:25	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D	09/01/2020 13:59	09/04/2020 11:25	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D	09/01/2020 13:59	09/04/2020 11:25	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**31.8**		mg/L	0.0556	1	EPA 6010D	09/01/2020 13:59	09/04/2020 11:25	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**3.70**		mg/L	0.00556	1	EPA 6010D	09/01/2020 13:59	09/04/2020 11:25	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**0.338**		mg/L	0.0111	1	EPA 6010D	09/01/2020 13:59	09/04/2020 11:25	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**10.2**		mg/L	0.0556	1	EPA 6010D	09/01/2020 13:59	09/04/2020 11:25	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D	09/01/2020 13:59	09/04/2020 11:25	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**165**		mg/L	0.556	1	EPA 6010D	09/01/2020 13:59	09/04/2020 11:25	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D	09/01/2020 13:59	09/04/2020 11:25	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D	09/01/2020 13:59	09/04/2020 11:25	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Metals, Target Analyte, ICPMS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B	08/31/2020 12:42	09/02/2020 13:24	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	**Arsenic**	**2.47**		ug/L	1.11	1	EPA 6020B	08/31/2020 12:42	09/02/2020 13:24	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B	08/31/2020 12:42	09/02/2020 13:24	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: GW-1 **York Sample ID:** 20H1164-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1164	2003975 1288 Willoughby	Water	August 28, 2020 11:40 am	08/28/2020

Metals, Target Analyte, ICPMS

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B	08/31/2020 12:42	09/02/2020 13:24	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	**Selenium**	**1.43**		ug/L	1.11	1	EPA 6020B	08/31/2020 12:42	09/02/2020 13:24	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B	08/31/2020 12:42	09/02/2020 13:24	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Metals, Target Analyte, ICPMS Dissolved

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B	09/01/2020 13:57	09/01/2020 14:53	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	Arsenic	ND		ug/L	1.11	1	EPA 6020B	09/01/2020 13:57	09/01/2020 14:53	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B	09/01/2020 13:57	09/01/2020 14:53	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B	09/01/2020 13:57	09/01/2020 14:53	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		ug/L	1.11	1	EPA 6020B	09/01/2020 13:57	09/01/2020 14:53	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B	09/01/2020 13:57	09/01/2020 14:53	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 water

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	0.00020	1	EPA 7473	08/31/2020 16:15	08/31/2020 20:33	MAO
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473, Dissolved

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 water

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 7473	09/01/2020 10:00	09/01/2020 11:37	SY
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: GW-2 **York Sample ID:** 20H1164-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1164	2003975 1288 Willoughby	Water	August 28, 2020 2:40 pm	08/28/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 07:23	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 07:23	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 07:23	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 07:23	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 07:23	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 07:23	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 07:23	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 07:23	TMP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAL		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 07:23	TMP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAL		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 07:23	TMP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAL		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 07:23	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 07:23	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 07:23	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 07:23	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 07:23	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 07:23	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 07:23	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 07:23	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 07:23	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	09/01/2020 06:45	09/02/2020 07:23	TMP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAL		
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 07:23	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		

Sample Information

Client Sample ID: GW-2 **York Sample ID:** 20H1164-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1164	2003975 1288 Willoughby	Water	August 28, 2020 2:40 pm	08/28/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 07:23	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 07:23	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	09/01/2020 06:45	09/02/2020 07:23	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 07:23	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 07:23	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 07:23	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 07:23	TMP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAL		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 07:23	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 07:23	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 07:23	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 07:23	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 07:23	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 07:23	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 07:23	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 07:23	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 07:23	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 07:23	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 07:23	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 07:23	TMP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAL		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 07:23	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 07:23	TMP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAL		

Sample Information

Client Sample ID: GW-2 **York Sample ID:** 20H1164-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1164	2003975 1288 Willoughby	Water	August 28, 2020 2:40 pm	08/28/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/01/2020 06:45	09/02/2020 07:23 NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	TMP
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/01/2020 06:45	09/02/2020 07:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	TMP
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/01/2020 06:45	09/02/2020 07:23 NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	TMP
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/01/2020 06:45	09/02/2020 07:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	TMP
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/01/2020 06:45	09/02/2020 07:23 NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/01/2020 06:45	09/02/2020 07:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	TMP
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/01/2020 06:45	09/02/2020 07:23 NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	TMP
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	09/01/2020 06:45	09/02/2020 07:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	TMP
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/01/2020 06:45	09/02/2020 07:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	TMP
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/01/2020 06:45	09/02/2020 07:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	TMP
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/01/2020 06:45	09/02/2020 07:23 CTDOH,NELAC-NY10854,NELAC-NY12058,PA	TMP
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	09/01/2020 06:45	09/02/2020 07:23 CTDOH,NELAC-NY10854,NELAC-NY12058,PA	TMP
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/01/2020 06:45	09/02/2020 07:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	TMP
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/01/2020 06:45	09/02/2020 07:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	TMP
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/01/2020 06:45	09/02/2020 07:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	09/01/2020 06:45	09/02/2020 07:23 NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/01/2020 06:45	09/02/2020 07:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	TMP
127-18-4	**Tetrachloroethylene**	**0.59**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/01/2020 06:45	09/02/2020 07:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	TMP
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/01/2020 06:45	09/02/2020 07:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/01/2020 06:45	09/02/2020 07:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/01/2020 06:45	09/02/2020 07:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	TMP

Sample Information

Client Sample ID: GW-2 **York Sample ID:** 20H1164-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1164	2003975 1288 Willoughby	Water	August 28, 2020 2:40 pm	08/28/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 07:23	TMP
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 07:23	TMP
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 07:23	TMP
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/01/2020 06:45	09/02/2020 07:23	TMP
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	09/01/2020 06:45	09/02/2020 07:23	TMP
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*117 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*98.5 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*100 %*	*79-122*

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes: EXT-D

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.74	5.56	1	EPA 8270D	09/01/2020 08:02	09/01/2020 22:46	OW
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.77	5.56	1	EPA 8270D	09/01/2020 08:02	09/01/2020 22:46	OW
								Certifications: NELAC-NY10854,PADEP			
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.90	5.56	1	EPA 8270D	09/01/2020 08:02	09/01/2020 22:46	OW
								Certifications: NELAC-NY10854,PADEP			
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.46	5.56	1	EPA 8270D	09/01/2020 08:02	09/01/2020 22:46	OW
								Certifications: NELAC-NY10854,PADEP			
121-14-2	2,4-Dinitrotoluene	ND		ug/L	1.79	5.56	1	EPA 8270D	09/01/2020 08:02	09/01/2020 22:46	OW
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
606-20-2	2,6-Dinitrotoluene	ND		ug/L	1.79	5.56	1	EPA 8270D	09/01/2020 08:02	09/01/2020 22:46	OW
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-58-7	2-Chloronaphthalene	ND		ug/L	2.44	5.56	1	EPA 8270D	09/01/2020 08:02	09/01/2020 22:46	OW
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-57-6	2-Methylnaphthalene	ND		ug/L	3.07	5.56	1	EPA 8270D	09/01/2020 08:02	09/01/2020 22:46	OW
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
88-74-4	2-Nitroaniline	ND		ug/L	1.87	5.56	1	EPA 8270D	09/01/2020 08:02	09/01/2020 22:46	OW
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	1.41	5.56	1	EPA 8270D	09/01/2020 08:02	09/01/2020 22:46	OW
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
99-09-2	3-Nitroaniline	ND		ug/L	1.87	5.56	1	EPA 8270D	09/01/2020 08:02	09/01/2020 22:46	OW
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: GW-2 **York Sample ID:** 20H1164-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1164	2003975 1288 Willoughby	Water	August 28, 2020 2:40 pm	08/28/2020

Semi-Volatiles, 8270 Base/Neutrals **Log-in Notes:** **Sample Notes:** EXT-D

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	1.48	5.56	1	EPA 8270D	09/01/2020 08:02	09/01/2020 22:46	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		ug/L	3.31	5.56	1	EPA 8270D	09/01/2020 08:02	09/01/2020 22:46	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.72	5.56	1	EPA 8270D	09/01/2020 08:02	09/01/2020 22:46	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		ug/L	2.98	5.56	1	EPA 8270D	09/01/2020 08:02	09/01/2020 22:46	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		ug/L	0.0556	0.0556	1	EPA 8270D	09/01/2020 08:02	09/02/2020 00:32	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		ug/L	0.0556	0.0556	1	EPA 8270D	09/01/2020 08:02	09/02/2020 00:32	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		ug/L	1.67	5.56	1	EPA 8270D	09/01/2020 08:02	09/01/2020 22:46	OW
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		ug/L	0.0556	0.0556	1	EPA 8270D	09/01/2020 08:02	09/02/2020 00:32	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0556	0.0556	1	EPA 8270D	09/01/2020 08:02	09/02/2020 00:32	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0556	0.0556	1	EPA 8270D	09/01/2020 08:02	09/02/2020 00:32	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0556	0.0556	1	EPA 8270D	09/01/2020 08:02	09/02/2020 00:32	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0556	0.0556	1	EPA 8270D	09/01/2020 08:02	09/02/2020 00:32	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0556	0.0556	1	EPA 8270D	09/01/2020 08:02	09/02/2020 00:32	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		ug/L	0.947	5.56	1	EPA 8270D	09/01/2020 08:02	09/01/2020 22:46	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	1.97	5.56	1	EPA 8270D	09/01/2020 08:02	09/01/2020 22:46	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.67	5.56	1	EPA 8270D	09/01/2020 08:02	09/01/2020 22:46	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	3.32	5.56	1	EPA 8270D	09/01/2020 08:02	09/01/2020 22:46	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.556	0.556	1	EPA 8270D	09/01/2020 08:02	09/02/2020 00:32	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		ug/L	1.46	5.56	1	EPA 8270D	09/01/2020 08:02	09/01/2020 22:46	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		ug/L	0.0556	0.0556	1	EPA 8270D	09/01/2020 08:02	09/02/2020 00:32	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0556	0.0556	1	EPA 8270D	09/01/2020 08:02	09/02/2020 00:32	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: GW-2 **York Sample ID:** 20H1164-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1164	2003975 1288 Willoughby	Water	August 28, 2020 2:40 pm	08/28/2020

Semi-Volatiles, 8270 Base/Neutrals **Log-in Notes:** **Sample Notes:** EXT-D

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
132-64-9	Dibenzofuran	ND		ug/L	2.68	5.56	1	EPA 8270D	09/01/2020 08:02	09/01/2020 22:46	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	**Diethyl phthalate**	**3.83**	J	ug/L	2.84	5.56	1	EPA 8270D	09/01/2020 08:02	09/01/2020 22:46	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		ug/L	2.12	5.56	1	EPA 8270D	09/01/2020 08:02	09/01/2020 22:46	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.28	5.56	1	EPA 8270D	09/01/2020 08:02	09/01/2020 22:46	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		ug/L	1.24	5.56	1	EPA 8270D	09/01/2020 08:02	09/01/2020 22:46	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		ug/L	0.0556	0.0556	1	EPA 8270D	09/01/2020 08:02	09/02/2020 00:32	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	Fluorene	ND		ug/L	0.0556	0.0556	1	EPA 8270D	09/01/2020 08:02	09/02/2020 00:32	OW
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		ug/L	0.0222	0.0222	1	EPA 8270D	09/01/2020 08:02	09/02/2020 00:32	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.556	0.556	1	EPA 8270D	09/01/2020 08:02	09/02/2020 00:32	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.81	5.56	1	EPA 8270D	09/01/2020 08:02	09/01/2020 22:46	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		ug/L	0.556	0.556	1	EPA 8270D	09/01/2020 08:02	09/02/2020 00:32	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0556	0.0556	1	EPA 8270D	09/01/2020 08:02	09/02/2020 00:32	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		ug/L	2.98	5.56	1	EPA 8270D	09/01/2020 08:02	09/01/2020 22:46	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		ug/L	0.0556	0.0556	1	EPA 8270D	09/01/2020 08:02	09/02/2020 00:32	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		ug/L	0.278	0.278	1	EPA 8270D	09/01/2020 08:02	09/02/2020 00:32	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.556	0.556	1	EPA 8270D	09/01/2020 08:02	09/02/2020 00:32	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.84	5.56	1	EPA 8270D	09/01/2020 08:02	09/01/2020 22:46	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	5.56	5.56	1	EPA 8270D	09/01/2020 08:02	09/01/2020 22:46	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		ug/L	0.0556	0.0556	1	EPA 8270D	09/01/2020 08:02	09/02/2020 00:32	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	ND		ug/L	0.0556	0.0556	1	EPA 8270D	09/01/2020 08:02	09/02/2020 00:32	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		ug/L	4.34	5.56	1	EPA 8270D	09/01/2020 08:02	09/01/2020 22:46	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Surrogate Recoveries	Result	Acceptance Range

Sample Information

Client Sample ID: GW-2 **York Sample ID:** 20H1164-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1164	2003975 1288 Willoughby	Water	August 28, 2020 2:40 pm	08/28/2020

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes: **Sample Notes:** EXT-D

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*62.6 %*			*50.2-113*						
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*66.5 %*			*39.9-105*						
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*89.6 %*			*30.7-106*						

Metals, Target Analyte, ICP

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**44.2**		mg/L	0.0556	1	EPA 6010D Certifications:	08/31/2020 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2020 15:18	KML
7440-39-3	**Barium**	**0.875**		mg/L	0.0278	1	EPA 6010D Certifications:	08/31/2020 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2020 15:18	KML
7440-70-2	**Calcium**	**136**		mg/L	0.0556	1	EPA 6010D Certifications:	08/31/2020 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2020 15:18	KML
7440-47-3	**Chromium**	**0.129**		mg/L	0.00556	1	EPA 6010D Certifications:	08/31/2020 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2020 15:18	KML
7440-48-4	**Cobalt**	**0.109**		mg/L	0.00444	1	EPA 6010D Certifications:	08/31/2020 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2020 15:18	KML
7440-50-8	**Copper**	**0.249**		mg/L	0.0222	1	EPA 6010D Certifications:	08/31/2020 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2020 15:18	KML
7439-89-6	**Iron**	**78.7**		mg/L	0.278	1	EPA 6010D Certifications:	08/31/2020 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2020 15:18	KML
7439-92-1	**Lead**	**0.127**		mg/L	0.00556	1	EPA 6010D Certifications:	08/31/2020 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2020 15:18	KML
7439-95-4	**Magnesium**	**33.2**		mg/L	0.0556	1	EPA 6010D Certifications:	08/31/2020 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2020 15:18	KML
7439-96-5	**Manganese**	**11.3**		mg/L	0.00556	1	EPA 6010D Certifications:	08/31/2020 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2020 15:18	KML
7440-02-0	**Nickel**	**0.301**		mg/L	0.0111	1	EPA 6010D Certifications:	08/31/2020 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2020 15:18	KML
7440-09-7	**Potassium**	**15.0**		mg/L	0.0556	1	EPA 6010D Certifications:	08/31/2020 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2020 15:18	KML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications:	08/31/2020 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2020 15:18	KML
7440-23-5	**Sodium**	**193**		mg/L	0.556	1	EPA 6010D Certifications:	08/31/2020 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2020 15:18	KML
7440-62-2	**Vanadium**	**0.0785**		mg/L	0.0111	1	EPA 6010D Certifications:	08/31/2020 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2020 15:18	KML
7440-66-6	**Zinc**	**0.157**		mg/L	0.0278	1	EPA 6010D Certifications:	08/31/2020 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2020 15:18	KML

Metals, Target Analyte, ICP Dissolved

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

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

Sample Information

Client Sample ID: GW-2 **York Sample ID:** 20H1164-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1164	2003975 1288 Willoughby	Water	August 28, 2020 2:40 pm	08/28/2020

Metals, Target Analyte, ICP Dissolved

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010D	09/01/2020 13:59	09/04/2020 11:28	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**0.0345**		mg/L	0.0278	1	EPA 6010D	09/01/2020 13:59	09/04/2020 11:28	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**96.9**		mg/L	0.0556	1	EPA 6010D	09/01/2020 13:59	09/04/2020 11:28	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D	09/01/2020 13:59	09/04/2020 11:28	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D	09/01/2020 13:59	09/04/2020 11:28	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D	09/01/2020 13:59	09/04/2020 11:28	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D	09/01/2020 13:59	09/04/2020 11:28	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D	09/01/2020 13:59	09/04/2020 11:28	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**19.1**		mg/L	0.0556	1	EPA 6010D	09/01/2020 13:59	09/04/2020 11:28	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**0.455**		mg/L	0.00556	1	EPA 6010D	09/01/2020 13:59	09/04/2020 11:28	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D	09/01/2020 13:59	09/04/2020 11:28	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**8.19**		mg/L	0.0556	1	EPA 6010D	09/01/2020 13:59	09/04/2020 11:28	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D	09/01/2020 13:59	09/04/2020 11:28	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**192**		mg/L	0.556	1	EPA 6010D	09/01/2020 13:59	09/04/2020 11:28	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D	09/01/2020 13:59	09/04/2020 11:28	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D	09/01/2020 13:59	09/04/2020 11:28	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Metals, Target Analyte, ICPMS

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B	08/31/2020 12:42	09/02/2020 13:27	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	**Arsenic**	**14.6**		ug/L	1.11	1	EPA 6020B	08/31/2020 12:42	09/02/2020 13:27	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	**Beryllium**	**0.829**		ug/L	0.333	1	EPA 6020B	08/31/2020 12:42	09/02/2020 13:27	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: GW-2 **York Sample ID:** 20H1164-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1164	2003975 1288 Willoughby	Water	August 28, 2020 2:40 pm	08/28/2020

Metals, Target Analyte, ICPMS

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	**Cadmium**	**0.666**		ug/L	0.556	1	EPA 6020B	08/31/2020 12:42	09/02/2020 13:27	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		ug/L	1.11	1	EPA 6020B	08/31/2020 12:42	09/02/2020 13:27	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B	08/31/2020 12:42	09/02/2020 13:27	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Metals, Target Analyte, ICPMS Dissolved

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B	09/01/2020 13:57	09/01/2020 14:56	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	Arsenic	ND		ug/L	1.11	1	EPA 6020B	09/01/2020 13:57	09/01/2020 14:56	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B	09/01/2020 13:57	09/01/2020 14:56	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B	09/01/2020 13:57	09/01/2020 14:56	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	**Selenium**	**2.26**		ug/L	1.11	1	EPA 6020B	09/01/2020 13:57	09/01/2020 14:56	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B	09/01/2020 13:57	09/01/2020 14:56	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 water

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	0.00020	1	EPA 7473	08/31/2020 16:15	08/31/2020 20:41	MAO
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473, Dissolved

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 water

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 7473	09/01/2020 10:00	09/01/2020 11:48	SY
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
20H1164-01	GW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20H1164-02	GW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
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.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
EXT-D	The sample submitted contained sediment. The aqueous portion was decanted off, the volume measured and used for the extraction. The sediment was not included in the extraction.
CCV-E	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).
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.

York Analytical Laboratories, Inc.
120 Research Drive, Stratford, CT 06615 | 132-02 89th Ave, Queens, NY 11418
clientservices@yorklab.com
www.yorklab.com

Field Chain-of-Custody Record

NOTE: 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.

YORK Project No. 20H1164

Page 1 of 1

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: GEI Consultants	Company: SAME	Company: SAME	200375	RUSH - Next Day
Address: 1000 New York Ave Huntington Sta N.Y.	Address:	Address:	YOUR Project Name: 1288 Willoughby	RUSH - Two Day
Phone: 631-759-2974	Phone.:	Phone.:	~~200356~~	RUSH - Three Day
Contact: Rich Fasciani	Contact:	Contact:		RUSH - Four Day
E-mail: RFASCIANI@GEICONSULTANTS.COM	E-mail:	E-mail:	YOUR PO#:	Standard (5-7 Day) X

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.

Rich Fasciani

Samples Collected by: (print your name above and sign below)

R. Fasciani

Matrix Codes
S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil | Other

Samples From
New York X
New Jersey
Connecticut
Pennsylvania
Other

Report / EDD Type (circle selections)
Summary Report | CT RCP | Standard Excel EDD
QA Report | CT RCP DQA/DUE | EQuIS (Standard)
NY ASP A Package | NJDEP Reduced Deliverables | NYSDEC EQuIS
NY ASP B Package | NJDKQP | NJDEP SRP HazSite
Other:

YORK Reg. Comp.
Compared to the following Regulation(s): (please fill in)
~~UNRESTRICTED~~ @ TOGS ~~COMMERCIAL~~

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
GW-1	GW	8-28- 11:40AM	8260, 8270SIM, TAL METALS	3 VOA's, 1 Plastic, 2 Amber
GW-2	GW	8/28 - 2:40PM	" " " "	3 VOA's, 1 Plastic, 2 Amber
			Filtered + Unfiltered	

Comments:

Preservation: (check all that apply)
HCl X MeOH ___ HNO3 X H2SO4 ___ NaOH ___ ZnAc ___
Ascorbic Acid ___ Other: ICE

Special Instruction
Field Filtered ___
Lab to Filter ~~ALL~~

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
R. Fasciani / GEI	8/28	York direct from field	8/28/20 16:54 23.9	Ed York / York	8/28/20 16:54
Ed/York	8/28/20 16:54	Ed/York	8/28/20 19:48		
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temp. Received at Lab
				KBLOCKER	8/28/20 1948 / 1.3 Degrees C

Technical Report

prepared for:

GEI Consultants, Inc
1000 New York Ave
Huntington Station NY, 11746
Attention: Rich Fasciani

Report Date: 09/04/2020
Client Project ID: 2003975 1288 Willoughby Ave
York Project (SDG) No.: 20H1167

Report Date: 09/04/2020
Client Project ID: 2003975 1288 Willoughby Ave
York Project (SDG) No.: 20H1167

GEI Consultants, Inc
1000 New York Ave
Huntington Station NY, 11746
Attention: Rich Fasciani

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 August 28, 2020 with a temperature of C. The project was identified as your project: **2003975 1288 Willoughby Ave**.

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.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
20H1167-01	SV-1	Soil Vapor	08/28/2020	08/28/2020
20H1167-02	SV-2	Soil Vapor	08/28/2020	08/28/2020
20H1167-03	SV-3	Soil Vapor	08/28/2020	08/28/2020

General Notes for York Project (SDG) No.: 20H1167

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: 09/04/2020

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: SV-1 **York Sample ID:** 20H1167-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1167	2003975 1288 Willoughby Ave	Soil Vapor	August 28, 2020 12:00 am	08/28/2020

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

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/m³	1.1	1.606	EPA TO-15 Certifications:	09/04/2020 00:41	09/04/2020 04:59	LLJ
71-55-6	**1,1,1-Trichloroethane**	**20**		ug/m³	0.88	1.606	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/04/2020 00:41	09/04/2020 04:59	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	1.1	1.606	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/04/2020 00:41	09/04/2020 04:59	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	1.2	1.606	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/04/2020 00:41	09/04/2020 04:59	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.88	1.606	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/04/2020 00:41	09/04/2020 04:59	LLJ
75-34-3	**1,1-Dichloroethane**	**150**		ug/m³	0.65	1.606	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/04/2020 00:41	09/04/2020 04:59	LLJ
75-35-4	**1,1-Dichloroethylene**	**0.64**		ug/m³	0.16	1.606	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/04/2020 00:41	09/04/2020 04:59	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	1.2	1.606	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/04/2020 00:41	09/04/2020 04:59	LLJ
95-63-6	**1,2,4-Trimethylbenzene**	**3.7**		ug/m³	0.79	1.606	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/04/2020 00:41	09/04/2020 04:59	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.2	1.606	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/04/2020 00:41	09/04/2020 04:59	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.97	1.606	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/04/2020 00:41	09/04/2020 04:59	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.65	1.606	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/04/2020 00:41	09/04/2020 04:59	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.74	1.606	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/04/2020 00:41	09/04/2020 04:59	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	1.1	1.606	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/04/2020 00:41	09/04/2020 04:59	LLJ
108-67-8	**1,3,5-Trimethylbenzene**	**1.5**		ug/m³	0.79	1.606	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/04/2020 00:41	09/04/2020 04:59	LLJ
106-99-0	**1,3-Butadiene**	**8.8**		ug/m³	1.1	1.606	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/04/2020 00:41	09/04/2020 04:59	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.97	1.606	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/04/2020 00:41	09/04/2020 04:59	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.74	1.606	EPA TO-15 Certifications:	09/04/2020 00:41	09/04/2020 04:59	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.97	1.606	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/04/2020 00:41	09/04/2020 04:59	LLJ
123-91-1	1,4-Dioxane	ND		ug/m³	1.2	1.606	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/04/2020 00:41	09/04/2020 04:59	LLJ
78-93-3	**2-Butanone**	**7.9**		ug/m³	0.47	1.606	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/04/2020 00:41	09/04/2020 04:59	LLJ

Sample Information

Client Sample ID: SV-1 **York Sample ID:** 20H1167-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1167	2003975 1288 Willoughby Ave	Soil Vapor	August 28, 2020 12:00 am	08/28/2020

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	* 2-Hexanone	ND		ug/m³	1.3	1.606	EPA TO-15 Certifications:	09/04/2020 00:41	09/04/2020 04:59	LLJ
107-05-1	3-Chloropropene	ND		ug/m³	2.5	1.606	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/04/2020 00:41	09/04/2020 04:59	LLJ
108-10-1	**4-Methyl-2-pentanone**	**5.4**		ug/m³	0.66	1.606	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/04/2020 00:41	09/04/2020 04:59	LLJ
67-64-1	**Acetone**	**75**		ug/m³	0.76	1.606	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/04/2020 00:41	09/04/2020 04:59	LLJ
107-13-1	**Acrylonitrile**	**0.94**		ug/m³	0.35	1.606	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/04/2020 00:41	09/04/2020 04:59	LLJ
71-43-2	**Benzene**	**8.7**		ug/m³	0.51	1.606	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/04/2020 00:41	09/04/2020 04:59	LLJ
100-44-7	Benzyl chloride	ND		ug/m³	0.83	1.606	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/04/2020 00:41	09/04/2020 04:59	LLJ
75-27-4	**Bromodichloromethane**	**1.1**		ug/m³	1.1	1.606	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/04/2020 00:41	09/04/2020 04:59	LLJ
75-25-2	Bromoform	ND		ug/m³	1.7	1.606	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/04/2020 00:41	09/04/2020 04:59	LLJ
74-83-9	Bromomethane	ND		ug/m³	0.62	1.606	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/04/2020 00:41	09/04/2020 04:59	LLJ
75-15-0	**Carbon disulfide**	**34**		ug/m³	0.50	1.606	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/04/2020 00:41	09/04/2020 04:59	LLJ
56-23-5	**Carbon tetrachloride**	**1.5**		ug/m³	0.25	1.606	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/04/2020 00:41	09/04/2020 04:59	LLJ
108-90-7	Chlorobenzene	ND		ug/m³	0.74	1.606	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/04/2020 00:41	09/04/2020 04:59	LLJ
75-00-3	**Chloroethane**	**4.1**		ug/m³	0.42	1.606	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/04/2020 00:41	09/04/2020 04:59	LLJ
67-66-3	**Chloroform**	**77**		ug/m³	0.78	1.606	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/04/2020 00:41	09/04/2020 04:59	LLJ
74-87-3	**Chloromethane**	**1.7**		ug/m³	0.33	1.606	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/04/2020 00:41	09/04/2020 04:59	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.16	1.606	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/04/2020 00:41	09/04/2020 04:59	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.73	1.606	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/04/2020 00:41	09/04/2020 04:59	LLJ
110-82-7	**Cyclohexane**	**28**		ug/m³	0.55	1.606	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/04/2020 00:41	09/04/2020 04:59	LLJ
124-48-1	Dibromochloromethane	ND		ug/m³	1.4	1.606	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/04/2020 00:41	09/04/2020 04:59	LLJ
75-71-8	Dichlorodifluoromethane	ND		ug/m³	0.79	1.606	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/04/2020 00:41	09/04/2020 04:59	LLJ
141-78-6	* Ethyl acetate	ND		ug/m³	1.2	1.606	EPA TO-15 Certifications:	09/04/2020 00:41	09/04/2020 04:59	LLJ

Sample Information

Client Sample ID: SV-1 **York Sample ID:** 20H1167-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1167	2003975 1288 Willoughby Ave	Soil Vapor	August 28, 2020 12:00 am	08/28/2020

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	**Ethyl Benzene**	**4.3**		ug/m³	0.70	1.606	EPA TO-15	09/04/2020 00:41	09/04/2020 04:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.7	1.606	EPA TO-15	09/04/2020 00:41	09/04/2020 04:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-63-0	**Isopropanol**	**7.6**		ug/m³	0.79	1.606	EPA TO-15	09/04/2020 00:41	09/04/2020 04:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
80-62-6	Methyl Methacrylate	ND		ug/m³	0.66	1.606	EPA TO-15	09/04/2020 00:41	09/04/2020 04:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.58	1.606	EPA TO-15	09/04/2020 00:41	09/04/2020 04:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-09-2	**Methylene chloride**	**4.4**		ug/m³	1.1	1.606	EPA TO-15	09/04/2020 00:41	09/04/2020 04:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
142-82-5	**n-Heptane**	**11**		ug/m³	0.66	1.606	EPA TO-15	09/04/2020 00:41	09/04/2020 04:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
110-54-3	**n-Hexane**	**25**		ug/m³	0.57	1.606	EPA TO-15	09/04/2020 00:41	09/04/2020 04:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
95-47-6	**o-Xylene**	**5.0**		ug/m³	0.70	1.606	EPA TO-15	09/04/2020 00:41	09/04/2020 04:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
179601-23-1	**p- & m- Xylenes**	**14**		ug/m³	1.4	1.606	EPA TO-15	09/04/2020 00:41	09/04/2020 04:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
622-96-8	*** p-Ethyltoluene**	**4.2**		ug/m³	0.79	1.606	EPA TO-15	09/04/2020 00:41	09/04/2020 04:59	LLJ
							Certifications:			
115-07-1	*** Propylene**	**71**		ug/m³	0.28	1.606	EPA TO-15	09/04/2020 00:41	09/04/2020 04:59	LLJ
							Certifications:			
100-42-5	**Styrene**	**1.6**		ug/m³	0.68	1.606	EPA TO-15	09/04/2020 00:41	09/04/2020 04:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
127-18-4	**Tetrachloroethylene**	**4.1**		ug/m³	1.1	1.606	EPA TO-15	09/04/2020 00:41	09/04/2020 04:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.95	1.606	EPA TO-15	09/04/2020 00:41	09/04/2020 04:59	LLJ
							Certifications:			
108-88-3	**Toluene**	**22**		ug/m³	0.61	1.606	EPA TO-15	09/04/2020 00:41	09/04/2020 04:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.64	1.606	EPA TO-15	09/04/2020 00:41	09/04/2020 04:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.73	1.606	EPA TO-15	09/04/2020 00:41	09/04/2020 04:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
79-01-6	**Trichloroethylene**	**91**		ug/m³	0.22	1.606	EPA TO-15	09/04/2020 00:41	09/04/2020 04:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.8**		ug/m³	0.90	1.606	EPA TO-15	09/04/2020 00:41	09/04/2020 04:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-05-4	Vinyl acetate	ND		ug/m³	0.57	1.606	EPA TO-15	09/04/2020 00:41	09/04/2020 04:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
593-60-2	Vinyl bromide	ND		ug/m³	0.70	1.606	EPA TO-15	09/04/2020 00:41	09/04/2020 04:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			

Sample Information

Client Sample ID: SV-1 **York Sample ID:** 20H1167-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1167	2003975 1288 Willoughby Ave	Soil Vapor	August 28, 2020 12:00 am	08/28/2020

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m³	0.21	1.606	EPA TO-15	09/04/2020 00:41	09/04/2020 04:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*90.2 %*	*70-130*

Sample Information

Client Sample ID: SV-2 **York Sample ID:** 20H1167-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1167	2003975 1288 Willoughby Ave	Soil Vapor	August 28, 2020 12:05 pm	08/28/2020

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

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/m³	4.1	5.976	EPA TO-15	09/04/2020 00:41	09/04/2020 05:59	LLJ
							Certifications:			
71-55-6	**1,1,1-Trichloroethane**	**130**		ug/m³	3.3	5.976	EPA TO-15	09/04/2020 00:41	09/04/2020 05:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	4.1	5.976	EPA TO-15	09/04/2020 00:41	09/04/2020 05:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	4.6	5.976	EPA TO-15	09/04/2020 00:41	09/04/2020 05:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	3.3	5.976	EPA TO-15	09/04/2020 00:41	09/04/2020 05:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-34-3	**1,1-Dichloroethane**	**52**		ug/m³	2.4	5.976	EPA TO-15	09/04/2020 00:41	09/04/2020 05:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.59	5.976	EPA TO-15	09/04/2020 00:41	09/04/2020 05:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	4.4	5.976	EPA TO-15	09/04/2020 00:41	09/04/2020 05:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
95-63-6	**1,2,4-Trimethylbenzene**	**26**		ug/m³	2.9	5.976	EPA TO-15	09/04/2020 00:41	09/04/2020 05:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
106-93-4	1,2-Dibromoethane	ND		ug/m³	4.6	5.976	EPA TO-15	09/04/2020 00:41	09/04/2020 05:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	3.6	5.976	EPA TO-15	09/04/2020 00:41	09/04/2020 05:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
107-06-2	1,2-Dichloroethane	ND		ug/m³	2.4	5.976	EPA TO-15	09/04/2020 00:41	09/04/2020 05:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
78-87-5	1,2-Dichloropropane	ND		ug/m³	2.8	5.976	EPA TO-15	09/04/2020 00:41	09/04/2020 05:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			

Sample Information

Client Sample ID: SV-2 **York Sample ID:** 20H1167-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1167	2003975 1288 Willoughby Ave	Soil Vapor	August 28, 2020 12:05 pm	08/28/2020

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	4.2	5.976	EPA TO-15	09/04/2020 00:41	09/04/2020 05:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-67-8	**1,3,5-Trimethylbenzene**	**9.1**		ug/m³	2.9	5.976	EPA TO-15	09/04/2020 00:41	09/04/2020 05:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
106-99-0	1,3-Butadiene	ND		ug/m³	4.0	5.976	EPA TO-15	09/04/2020 00:41	09/04/2020 05:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	3.6	5.976	EPA TO-15	09/04/2020 00:41	09/04/2020 05:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	2.8	5.976	EPA TO-15	09/04/2020 00:41	09/04/2020 05:59	LLJ
							Certifications:			
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	3.6	5.976	EPA TO-15	09/04/2020 00:41	09/04/2020 05:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
123-91-1	**1,4-Dioxane**	**9.9**		ug/m³	4.3	5.976	EPA TO-15	09/04/2020 00:41	09/04/2020 05:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
78-93-3	**2-Butanone**	**100**		ug/m³	1.8	5.976	EPA TO-15	09/04/2020 00:41	09/04/2020 05:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
591-78-6	*** 2-Hexanone**	**6.6**		ug/m³	4.9	5.976	EPA TO-15	09/04/2020 00:41	09/04/2020 05:59	LLJ
							Certifications:			
107-05-1	3-Chloropropene	ND		ug/m³	9.4	5.976	EPA TO-15	09/04/2020 00:41	09/04/2020 05:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-10-1	**4-Methyl-2-pentanone**	**430**		ug/m³	2.4	5.976	EPA TO-15	09/04/2020 00:41	09/04/2020 05:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-64-1	**Acetone**	**370**		ug/m³	7.1	14.94	EPA TO-15	09/02/2020 07:00	09/03/2020 16:28	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
107-13-1	**Acrylonitrile**	**1.3**		ug/m³	1.3	5.976	EPA TO-15	09/04/2020 00:41	09/04/2020 05:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
71-43-2	**Benzene**	**21**		ug/m³	1.9	5.976	EPA TO-15	09/04/2020 00:41	09/04/2020 05:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
100-44-7	Benzyl chloride	ND		ug/m³	3.1	5.976	EPA TO-15	09/04/2020 00:41	09/04/2020 05:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-27-4	Bromodichloromethane	ND		ug/m³	4.0	5.976	EPA TO-15	09/04/2020 00:41	09/04/2020 05:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-25-2	Bromoform	ND		ug/m³	6.2	5.976	EPA TO-15	09/04/2020 00:41	09/04/2020 05:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
74-83-9	Bromomethane	ND		ug/m³	2.3	5.976	EPA TO-15	09/04/2020 00:41	09/04/2020 05:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-15-0	**Carbon disulfide**	**15**		ug/m³	1.9	5.976	EPA TO-15	09/04/2020 00:41	09/04/2020 05:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
56-23-5	**Carbon tetrachloride**	**2.6**		ug/m³	0.94	5.976	EPA TO-15	09/04/2020 00:41	09/04/2020 05:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-90-7	Chlorobenzene	ND		ug/m³	2.8	5.976	EPA TO-15	09/04/2020 00:41	09/04/2020 05:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-00-3	Chloroethane	ND		ug/m³	1.6	5.976	EPA TO-15	09/04/2020 00:41	09/04/2020 05:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			

Sample Information

Client Sample ID: SV-2 **York Sample ID:** 20H1167-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1167	2003975 1288 Willoughby Ave	Soil Vapor	August 28, 2020 12:05 pm	08/28/2020

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-66-3	**Chloroform**	**240**		ug/m³	2.9	5.976	EPA TO-15	09/04/2020 00:41	09/04/2020 05:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
74-87-3	**Chloromethane**	**3.9**		ug/m³	1.2	5.976	EPA TO-15	09/04/2020 00:41	09/04/2020 05:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.59	5.976	EPA TO-15	09/04/2020 00:41	09/04/2020 05:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	2.7	5.976	EPA TO-15	09/04/2020 00:41	09/04/2020 05:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
110-82-7	**Cyclohexane**	**19**		ug/m³	2.1	5.976	EPA TO-15	09/04/2020 00:41	09/04/2020 05:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
124-48-1	Dibromochloromethane	ND		ug/m³	5.1	5.976	EPA TO-15	09/04/2020 00:41	09/04/2020 05:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-71-8	Dichlorodifluoromethane	ND		ug/m³	3.0	5.976	EPA TO-15	09/04/2020 00:41	09/04/2020 05:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
141-78-6	* Ethyl acetate	ND		ug/m³	4.3	5.976	EPA TO-15	09/04/2020 00:41	09/04/2020 05:59	LLJ
							Certifications:			
100-41-4	**Ethyl Benzene**	**25**		ug/m³	2.6	5.976	EPA TO-15	09/04/2020 00:41	09/04/2020 05:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
87-68-3	Hexachlorobutadiene	ND		ug/m³	6.4	5.976	EPA TO-15	09/04/2020 00:41	09/04/2020 05:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-63-0	**Isopropanol**	**400**		ug/m³	2.9	5.976	EPA TO-15	09/04/2020 00:41	09/04/2020 05:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
80-62-6	Methyl Methacrylate	ND		ug/m³	2.4	5.976	EPA TO-15	09/04/2020 00:41	09/04/2020 05:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	2.2	5.976	EPA TO-15	09/04/2020 00:41	09/04/2020 05:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-09-2	**Methylene chloride**	**16**		ug/m³	4.2	5.976	EPA TO-15	09/04/2020 00:41	09/04/2020 05:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
142-82-5	**n-Heptane**	**40**		ug/m³	2.4	5.976	EPA TO-15	09/04/2020 00:41	09/04/2020 05:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
110-54-3	**n-Hexane**	**280**		ug/m³	2.1	5.976	EPA TO-15	09/04/2020 00:41	09/04/2020 05:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
95-47-6	**o-Xylene**	**28**		ug/m³	2.6	5.976	EPA TO-15	09/04/2020 00:41	09/04/2020 05:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
179601-23-1	**p- & m- Xylenes**	**77**		ug/m³	5.2	5.976	EPA TO-15	09/04/2020 00:41	09/04/2020 05:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
622-96-8	*** p-Ethyltoluene**	**28**		ug/m³	2.9	5.976	EPA TO-15	09/04/2020 00:41	09/04/2020 05:59	LLJ
							Certifications:			
115-07-1	* Propylene	ND		ug/m³	1.0	5.976	EPA TO-15	09/04/2020 00:41	09/04/2020 05:59	LLJ
							Certifications:			
100-42-5	**Styrene**	**7.9**		ug/m³	2.5	5.976	EPA TO-15	09/04/2020 00:41	09/04/2020 05:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
127-18-4	**Tetrachloroethylene**	**60**		ug/m³	4.1	5.976	EPA TO-15	09/04/2020 00:41	09/04/2020 05:59	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			

Sample Information

Client Sample ID: SV-2 **York Sample ID:** 20H1167-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1167	2003975 1288 Willoughby Ave	Soil Vapor	August 28, 2020 12:05 pm	08/28/2020

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
109-99-9	* Tetrahydrofuran	ND		ug/m³	3.5	5.976	EPA TO-15 Certifications:	09/04/2020 00:41	09/04/2020 05:59	LLJ
108-88-3	**Toluene**	**220**		ug/m³	2.3	5.976	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/04/2020 00:41	09/04/2020 05:59	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	2.4	5.976	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/04/2020 00:41	09/04/2020 05:59	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	2.7	5.976	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/04/2020 00:41	09/04/2020 05:59	LLJ
79-01-6	**Trichloroethylene**	**7.4**		ug/m³	0.80	5.976	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/04/2020 00:41	09/04/2020 05:59	LLJ
75-69-4	**Trichlorofluoromethane (Freon 11)**	**7.7**		ug/m³	3.4	5.976	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/04/2020 00:41	09/04/2020 05:59	LLJ
108-05-4	Vinyl acetate	ND		ug/m³	2.1	5.976	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/04/2020 00:41	09/04/2020 05:59	LLJ
593-60-2	Vinyl bromide	ND		ug/m³	2.6	5.976	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/04/2020 00:41	09/04/2020 05:59	LLJ
75-01-4	Vinyl Chloride	ND		ug/m³	0.76	5.976	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/04/2020 00:41	09/04/2020 05:59	LLJ

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*95.7 %*	*70-130*

Sample Information

Client Sample ID: SV-3 **York Sample ID:** 20H1167-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1167	2003975 1288 Willoughby Ave	Soil Vapor	August 28, 2020 12:18 pm	08/28/2020

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

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/m³	1.1	1.581	EPA TO-15 Certifications:	09/04/2020 00:41	09/04/2020 07:01	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.86	1.581	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/04/2020 00:41	09/04/2020 07:01	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	1.1	1.581	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/04/2020 00:41	09/04/2020 07:01	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	1.2	1.581	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/04/2020 00:41	09/04/2020 07:01	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.86	1.581	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/04/2020 00:41	09/04/2020 07:01	LLJ

Sample Information

Client Sample ID: SV-3 **York Sample ID:** 20H1167-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1167	2003975 1288 Willoughby Ave	Soil Vapor	August 28, 2020 12:18 pm	08/28/2020

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.64	1.581	EPA TO-15	09/04/2020 00:41	09/04/2020 07:01	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.16	1.581	EPA TO-15	09/04/2020 00:41	09/04/2020 07:01	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	1.2	1.581	EPA TO-15	09/04/2020 00:41	09/04/2020 07:01	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
95-63-6	**1,2,4-Trimethylbenzene**	**2.1**		ug/m³	0.78	1.581	EPA TO-15	09/04/2020 00:41	09/04/2020 07:01	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.2	1.581	EPA TO-15	09/04/2020 00:41	09/04/2020 07:01	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.95	1.581	EPA TO-15	09/04/2020 00:41	09/04/2020 07:01	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.64	1.581	EPA TO-15	09/04/2020 00:41	09/04/2020 07:01	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.73	1.581	EPA TO-15	09/04/2020 00:41	09/04/2020 07:01	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	1.1	1.581	EPA TO-15	09/04/2020 00:41	09/04/2020 07:01	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-67-8	**1,3,5-Trimethylbenzene**	**0.85**		ug/m³	0.78	1.581	EPA TO-15	09/04/2020 00:41	09/04/2020 07:01	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
106-99-0	1,3-Butadiene	ND		ug/m³	1.0	1.581	EPA TO-15	09/04/2020 00:41	09/04/2020 07:01	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.95	1.581	EPA TO-15	09/04/2020 00:41	09/04/2020 07:01	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.73	1.581	EPA TO-15	09/04/2020 00:41	09/04/2020 07:01	LLJ
							Certifications:			
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.95	1.581	EPA TO-15	09/04/2020 00:41	09/04/2020 07:01	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
123-91-1	1,4-Dioxane	ND		ug/m³	1.1	1.581	EPA TO-15	09/04/2020 00:41	09/04/2020 07:01	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
78-93-3	**2-Butanone**	**4.7**		ug/m³	0.47	1.581	EPA TO-15	09/04/2020 00:41	09/04/2020 07:01	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
591-78-6	* 2-Hexanone	ND		ug/m³	1.3	1.581	EPA TO-15	09/04/2020 00:41	09/04/2020 07:01	LLJ
							Certifications:			
107-05-1	3-Chloropropene	ND		ug/m³	2.5	1.581	EPA TO-15	09/04/2020 00:41	09/04/2020 07:01	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-10-1	**4-Methyl-2-pentanone**	**6.3**		ug/m³	0.65	1.581	EPA TO-15	09/04/2020 00:41	09/04/2020 07:01	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-64-1	**Acetone**	**32**		ug/m³	0.75	1.581	EPA TO-15	09/04/2020 00:41	09/04/2020 07:01	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
107-13-1	**Acrylonitrile**	**0.45**		ug/m³	0.34	1.581	EPA TO-15	09/04/2020 00:41	09/04/2020 07:01	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
71-43-2	**Benzene**	**4.2**		ug/m³	0.51	1.581	EPA TO-15	09/04/2020 00:41	09/04/2020 07:01	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			

Sample Information

Client Sample ID: SV-3 **York Sample ID:** 20H1167-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1167	2003975 1288 Willoughby Ave	Soil Vapor	August 28, 2020 12:18 pm	08/28/2020

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-44-7	Benzyl chloride	ND		ug/m³	0.82	1.581	EPA TO-15	09/04/2020 00:41	09/04/2020 07:01	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-27-4	Bromodichloromethane	ND		ug/m³	1.1	1.581	EPA TO-15	09/04/2020 00:41	09/04/2020 07:01	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-25-2	Bromoform	ND		ug/m³	1.6	1.581	EPA TO-15	09/04/2020 00:41	09/04/2020 07:01	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
74-83-9	Bromomethane	ND		ug/m³	0.61	1.581	EPA TO-15	09/04/2020 00:41	09/04/2020 07:01	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-15-0	**Carbon disulfide**	**5.3**		ug/m³	0.49	1.581	EPA TO-15	09/04/2020 00:41	09/04/2020 07:01	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
56-23-5	**Carbon tetrachloride**	**0.60**		ug/m³	0.25	1.581	EPA TO-15	09/04/2020 00:41	09/04/2020 07:01	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-90-7	Chlorobenzene	ND		ug/m³	0.73	1.581	EPA TO-15	09/04/2020 00:41	09/04/2020 07:01	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-00-3	Chloroethane	ND		ug/m³	0.42	1.581	EPA TO-15	09/04/2020 00:41	09/04/2020 07:01	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-66-3	**Chloroform**	**7.2**		ug/m³	0.77	1.581	EPA TO-15	09/04/2020 00:41	09/04/2020 07:01	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
74-87-3	**Chloromethane**	**1.0**		ug/m³	0.33	1.581	EPA TO-15	09/04/2020 00:41	09/04/2020 07:01	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.16	1.581	EPA TO-15	09/04/2020 00:41	09/04/2020 07:01	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.72	1.581	EPA TO-15	09/04/2020 00:41	09/04/2020 07:01	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
110-82-7	**Cyclohexane**	**7.0**		ug/m³	0.54	1.581	EPA TO-15	09/04/2020 00:41	09/04/2020 07:01	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
124-48-1	Dibromochloromethane	ND		ug/m³	1.3	1.581	EPA TO-15	09/04/2020 00:41	09/04/2020 07:01	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-71-8	Dichlorodifluoromethane	ND		ug/m³	0.78	1.581	EPA TO-15	09/04/2020 00:41	09/04/2020 07:01	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
141-78-6	* Ethyl acetate	ND		ug/m³	1.1	1.581	EPA TO-15	09/04/2020 00:41	09/04/2020 07:01	LLJ
							Certifications:			
100-41-4	**Ethyl Benzene**	**3.2**		ug/m³	0.69	1.581	EPA TO-15	09/04/2020 00:41	09/04/2020 07:01	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.7	1.581	EPA TO-15	09/04/2020 00:41	09/04/2020 07:01	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-63-0	**Isopropanol**	**65**		ug/m³	0.78	1.581	EPA TO-15	09/04/2020 00:41	09/04/2020 07:01	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
80-62-6	Methyl Methacrylate	ND		ug/m³	0.65	1.581	EPA TO-15	09/04/2020 00:41	09/04/2020 07:01	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.57	1.581	EPA TO-15	09/04/2020 00:41	09/04/2020 07:01	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-09-2	Methylene chloride	ND		ug/m³	1.1	1.581	EPA TO-15	09/04/2020 00:41	09/04/2020 07:01	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			

Sample Information

Client Sample ID: SV-3 **York Sample ID:** 20H1167-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1167	2003975 1288 Willoughby Ave	Soil Vapor	August 28, 2020 12:18 pm	08/28/2020

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
142-82-5	**n-Heptane**	**20**		ug/m³	0.65	1.581	EPA TO-15	09/04/2020 00:41	09/04/2020 07:01	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
110-54-3	**n-Hexane**	**37**		ug/m³	0.56	1.581	EPA TO-15	09/04/2020 00:41	09/04/2020 07:01	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
95-47-6	**o-Xylene**	**2.3**		ug/m³	0.69	1.581	EPA TO-15	09/04/2020 00:41	09/04/2020 07:01	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
179601-23-1	**p- & m- Xylenes**	**6.9**		ug/m³	1.4	1.581	EPA TO-15	09/04/2020 00:41	09/04/2020 07:01	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
622-96-8	*** p-Ethyltoluene**	**1.8**		ug/m³	0.78	1.581	EPA TO-15	09/04/2020 00:41	09/04/2020 07:01	LLJ
							Certifications:			
115-07-1	* Propylene	ND		ug/m³	0.27	1.581	EPA TO-15	09/04/2020 00:41	09/04/2020 07:01	LLJ
							Certifications:			
100-42-5	**Styrene**	**1.1**		ug/m³	0.67	1.581	EPA TO-15	09/04/2020 00:41	09/04/2020 07:01	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
127-18-4	**Tetrachloroethylene**	**48**		ug/m³	1.1	1.581	EPA TO-15	09/04/2020 00:41	09/04/2020 07:01	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.93	1.581	EPA TO-15	09/04/2020 00:41	09/04/2020 07:01	LLJ
							Certifications:			
108-88-3	**Toluene**	**14**		ug/m³	0.60	1.581	EPA TO-15	09/04/2020 00:41	09/04/2020 07:01	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.63	1.581	EPA TO-15	09/04/2020 00:41	09/04/2020 07:01	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.72	1.581	EPA TO-15	09/04/2020 00:41	09/04/2020 07:01	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
79-01-6	**Trichloroethylene**	**12**		ug/m³	0.21	1.581	EPA TO-15	09/04/2020 00:41	09/04/2020 07:01	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.9**		ug/m³	0.89	1.581	EPA TO-15	09/04/2020 00:41	09/04/2020 07:01	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-05-4	Vinyl acetate	ND		ug/m³	0.56	1.581	EPA TO-15	09/04/2020 00:41	09/04/2020 07:01	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
593-60-2	Vinyl bromide	ND		ug/m³	0.69	1.581	EPA TO-15	09/04/2020 00:41	09/04/2020 07:01	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-01-4	Vinyl Chloride	ND		ug/m³	0.20	1.581	EPA TO-15	09/04/2020 00:41	09/04/2020 07:01	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*94.6 %*	*70-130*

Sample and Data Qualifiers Relating to This Work Order

TO-VAC — The final vacuum in the canister was less than -2 inches Hg vacuum. The time integrated sampling may be affected and not reflect proper sampling over the time period. The data user should take note.

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.

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clientservices@yorklab.com
www.yorklab.com

Field Chain-of-Custody Record - AIR

NOTE: 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.

YORK Project No. 20H1167

Page 1 of 1

YOUR Information	Report To:	Invoice To:
Company: GEI	Company:	Company:
Address: 1000 New York Ave Huntington station, NY	Address: ←	Address: (Same)
Phone.: 631-905-7636	Phone.: 516-768-5220	Phone.:
Contact: wfitchett@geiconsultants.com	Contact: rfasciani@geiconsultants.com	Contact:
E-mail: William J Fitchett	E-mail: Rich Fasciani	E-mail:

YOUR Project Number: 2003975

YOUR Project Name: 1288 Willoughby Ave

YOUR PO#: 2003975

Turn-Around Time

RUSH - Next Day	
RUSH - Two Day	
RUSH - Three Day	
RUSH - Four Day	
Standard (5-7 Day)	✓

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 J Fitchett

Samples Collected by: (print your name above and sign below)

William J Fitchett

Air Matrix Codes

- AI - Indoor Ambient Air
- AO - Outdoor Amb. Air
- AE - Vapor Extraction Well/ Process Gas/Effluent
- AS - Soil Vapor/Sub-Slab

Samples From

- New York ✓
- New Jersey
- Connecticut
- Pennsylvania
- Other

Report / EDD Type (circle selections)

(Summary Report)	CT RCP	(Standard Excel EDD)
QA Report	CT RCP DQA/DUE	EQuIS (Standard)
NY ASP A Package	NJDEP Reduced Deliv.	NYSDEC EQuIS
NY ASP B Package	NJDKQP	NJDEP SRP HazSite
Other:		

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Certified Canisters: Batch ___ Individual ___

Please enter the following REQUIRED Field Data

Reporting Units: ug/m³ ✓ ppbv ___ ppmv ___

Sample Identification	Date/Time Sampled	Air Matrix	Canister Vacuum Before Sampling (in Hg)	Canister Vacuum After Sampling (in Hg)	Canister ID	Flow Cont. ID	Analysis Requested
SV-1	8/27/20	AS	-30	-5	23996	5413	TO-15
SV-2	8/28/20 1205	AS	-30	-4	20947	6864	TO-15
SV-3	8/22/20 1218	AS	-30	-6	23800	Y12	TO-15

Comments:

Detection Limits Required

≤ 1 ug/m³ ___ NYSDEC V1 Limits ___

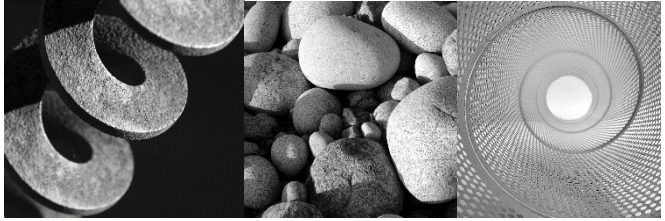
Routine Survey ___ Other ___

Sampling Media

- 6 Liter Canister X
- Tedlar Bag

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
R. Fasciani / GEI	8/28	York	8/28/20 16:53		
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time
				AL	8/29/20 3:14 am

Attachment 3



1282, 1288, 1292, and 1294 Willoughby Avenue and 373 Suydam Street Brooklyn, New York

GEI Consultants

Consulting Engineers and Scientists

Site Photographs



1. Interior area of 1288 Willoughby Avenue.



2. Drilling within the 1288 Willoughby Avenue building where metal plating activities had occurred.



3. Attempting to drill in the 1288 Willoughby Avenue building.



4. View of a soil vapor test utilizing a Summa Cannister.



5. Looking at the soil from Soil Boring No. 8.



6. Drilling on the 373 Suydam Street portion of the site.



7. Drilling at the southern end of the UST.



8. Drilling at the northerly end of the UST.