



**PHASE II  
ENVIRONMENTAL  
SITE ASSESSMENT**

**3095 Albany Post Road  
Village of Buchanan  
Town of Cortland  
Westchester County, New York**

**March 13, 2019**

**WCD File: AB18113.20**

**Environmental & Construction Risk Management**

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**Prepared By:**

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The undersigned has reviewed this Phase II Environmental Site Assessment and certifies to Archdiocese of New York that the information provided in this document is accurate as of the date of issuance by this office.



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## **1.0 INTRODUCTION**

### **1.1 Purpose**

This Phase II Environmental Site Assessment (Report) documents environmental fieldwork performed by WCD Group (WCD, a Division of Gallagher Bassett Services, Inc.) at the property located at 3095 Albany Post Road, Village of Buchanan, Town of Cortland, Westchester County, New York. Investigative and analytical work were performed to address potential environmental liabilities on specified portions of the subject property, which were identified during a previous Phase I investigation (see Section 1.4). The specific purpose of this Report is to summarize the work performed by WCD and WCD's subcontractors, and to identify any on-site conditions that may require further investigation and/or remedial actions.

This Report describes all fieldwork methodologies for the work conducted by WCD, includes discussions of the resulting analytical data from collected samples and provides conclusions and recommendations drawn from the fieldwork and analytical data.

### **1.2 Limitations**

This written analysis summarizes the site characterization activities conducted on a specified portion of the above-referenced property and is not relevant to other portions of this property or any other property. It is a representation of those portions of the property analyzed as of the respective dates of fieldwork. This Report cannot be held accountable for activities or events resulting in contamination after the dates of fieldwork. Services summarized in this Report were performed in accordance with generally accepted practices and established New York State Department of Environmental Conservation (NYSDEC) protocols. Unless specifically noted, WCD's findings and conclusions must be considered not as scientific certainties, but as probabilities based on professional judgement.

### **1.3 Site Location and Description**

The property is a 4.5-acre parcel located on the eastern side of Albany Post Road and the northern side of Lake Street. The majority of the property is comprised of vacant wooded land. The fieldwork area (Site) is located at the southwestern corner of the property, which contains a gravel parking area and a concrete pad (likely associated with a former filling station and automotive repair facility; see Section 1.4, below). A Fieldwork Map indicating specific Site characteristics is provided in Appendix A.

During the course of the investigation, shallow groundwater was observed at depths of approximately 11 to 12 feet below surface grade (bsg) at the central (SB-03) and northern (SB-05) portions of the Site. Based on local topographic conditions, shallow groundwater flow in the vicinity of the Site is likely to be to the northeast toward an off-site pond.

#### **1.4 Previous Environmental Reports**

A Phase I Environmental Site Assessment (Phase I ESA) performed on the property by WCD in January 2019 identified historical commercial uses, which included an automotive repair facility and a filling station at the southwestern corner of the property from as early as 1940 until the 1990s, when all on-site buildings were demolished. Potential impacts associated with these historical uses were identified in the Phase I ESA as a Recognized Environmental Condition (REC).

## **2.0 SUBSURFACE INVESTIGATION**

### **2.1 Summary of Services**

WCD extended six (6) soil borings, completed one boring as a temporary groundwater monitoring well, and installed four (4) temporary soil vapor implants at the Site on February 20, 2019, and collected soil, groundwater and soil vapor samples to document the presence or absence of contamination. This Report is divided into individual sections that document fieldwork methodology (Section 2.2) and laboratory results (Section 2.3), and present WCD's conclusions and recommendations (Section 3.0). A map indicating all fieldwork locations and selected Site features is provided in Appendix A.

### **2.2 Fieldwork Activities**

#### **2.2.1 Site Preparation Services**

WCD requested a complete utility markout (as required by New York State Department of Labor regulations) and on-site personnel reviewed the markout and underground utility locations prior to the initiation of fieldwork.

#### **2.2.2 Fieldwork Methodology**

##### *General Protocols*

All encountered material was screened with a properly calibrated MiniRAE 3000 (Model PGM 7320) photo-ionization detector (PID) for the presence of any volatile organic vapors where appropriate. WCD described all encountered media in field log books, including specific characteristics, the presence of foreign materials, and field and instrument indications of contamination (e.g., staining, odors, PID readings). Relevant information from WCD logs for each fieldwork location is summarized in Appendix B.

WCD collected samples in general conformance with NYSDEC and NYSDOH fieldwork protocols. All field personnel wore dedicated, disposable gloves during relevant fieldwork activities, and any non-dedicated sampling instruments were decontaminated prior to media collection.

All samples were collected into appropriately-sized containers provided by the laboratory (with preservatives as required for the specific analysis), and were maintained at proper temperatures (using ice-packs and coolers as needed) while in WCD's custody. Samples were transported the following day via courier to York Analytical Laboratories, Inc., a New York State Department of Health-certified laboratory (ELAP Certification Number 10854) for chemical analyses. Appropriate chain-of-custody procedures were followed.

##### *Extension of Soil Borings*

WCD extended six (6) mechanized soil borings on the Site (area of the former filling station and automotive repair facility). Borings were located: at the central-northern and central-southern

portions of the concrete pad (SB-01 and SB-03); immediately east of the concrete pad (SB-02); and, in the northern vicinity of the concrete pad (SB-04 to SB-06).

Soil borings were extended by personnel from Core Down Drilling, LLC using a track-mounted Geoprobe direct-push corer equipped with disposable acetate sleeves (used to prevent the cross contamination of soil samples). Soil was recovered at each boring location at intervals of 5 feet to a maximum depth of 15 feet bsg or until refusal was reached.

Subsurface soils encountered at the Site generally consisted of light brown, fine to medium sandy silt, underlain by brown, fine to medium sands with gravel. Groundwater was encountered at approximately 12 feet bsg at SB-03 and SB-05 (see subsection, below). No field evidence of contamination was observed during soil sampling.

Soil samples were collected directly from the acetate sleeves, utilizing clean, disposable equipment. Soil collection for VOC analysis was conducted according to USEPA Method 5035 fieldwork protocols, utilizing laboratory sampling kits.

#### *Temporary Monitoring Well Installation, Development and Sampling*

Following collection of soil samples to a depth of 15 feet bsg at SB-03, the boring was extended to 20 feet bsg and completed as a temporary monitoring well. The well was constructed of one-inch PVC casing with a 0.01-inch slotted PVC screen from 10 to 20 feet bsg. The well casing was equipped with a gripper cap.

The well was allowed to stabilize for at least 30 minutes following installation. Depth to water was measured using an oil-water interface probe prior to sampling. No measurable product was observed, and the static groundwater level was measured at 11.75 feet bsg.

The volume of groundwater in the well was calculated (based on well depth and depth to water measurements) and three times the static well volume was purged prior to sampling. Groundwater was purged and sampled using a peristaltic pump and dedicated plastic tubing. Samples were not filtered prior to submission to the laboratory.

A PID reading of 136.9 parts per million (ppm) and slight petroleum odors were noted at the well casing after removing the gripper cap, and a slight sheen was noted during the purging of the well.

#### *Collection of Soil Vapor*

WCD constructed temporary soil vapor probes by drilling a 1-inch hole through the concrete slab to a depth of at least 6 inches below the bottom surface. An air stone attached to ¼" Teflon tubing was placed at the invert of each boring and the holes were backfilled with clean sand. The top of the boreholes were sealed using a non-VOC containing clay in order to prevent the infiltration of surface air. Each soil-vapor boring was purged prior to sampling for at least a period of five minutes, using a GilAir 3 air-sampling pump, at a rate of approximately 0.2

liters/minute. PID readings of 1.0 ppm and 0.4 ppm were detected at SV-03 and SV-04, respectively; no PID readings were detected at other soil-vapor sampling locations.

Soil vapor samples were collected into laboratory-supplied 6-liter Summa Canisters equipped with two-hour flow controllers.

## **2.3 Laboratory Analysis**

### **2.3.1 Standards, Criteria and/or Guidance**

#### *Soil*

Laboratory results for all compounds detected in soils are compared to NYSDEC Remedial Program Soil Cleanup Objectives (SCOs) for Unrestricted Use (UU) as provided in 6 NYCRR Subpart 375, Table 375-6.8(a), and (as needed) Soil Cleanup Levels (for gasoline and fuel oil contaminated Soils) presented in NYSDEC CP-51 (Soil Cleanup Guidance, October 2010) Tables 2 through 3.

#### *Groundwater*

Laboratory results for all compounds detected in water are compared to NYSDEC Division of Water Ambient Water Quality Standards and Guidance Values (AWQS), provided in Technical and Operational Guidance Series 1.1.1.

#### *Vapor*

The State of New York does not have any standards, criteria or guidance values (SCG) for volatile chemicals in subsurface vapors; the NYSDOH does, however, utilize several decision matrices for evaluating potential soil vapor intrusion for a limited number of compounds under specific circumstances (see NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York [GESVI; October 2006]). Potentially applicable matrix values and/or relatively high concentrations of volatile organic compounds (VOCs) are identified in the report and data tables, as warranted.

### **2.3.2 Sample Submission**

All samples were analyzed for VOCs (USEPA Method TO-15 for soil vapor and USEPA Method 8260 for soil and groundwater). Soil samples SB-01 1.5, SB-03 12, SB-04 2.5 and SB-06 9 were analyzed for polycyclic aromatic hydrocarbons (PAHs) using USEPA Method 8270 and lead using USEPA Method 6010. Submission of soil samples was biased (as warranted) based on field observations, including the presence or absence of elevated PID readings, unusual odors, discoloration, or, any other unusual patterns.



### **2.3.3 Laboratory Results**

A summary of the results of the laboratory analyses is presented below. Results are referenced as parts per million (ppm, equivalent to milligrams per kilogram) for soil, parts per billion (ppb, nominally equivalent to micrograms per liter) for groundwater, and micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ) for soil vapor. Data summary tables and the laboratory reports are provided as Appendices C and D, respectively.

#### **SOIL**

Trace concentrations of 1,2,4-trimethylbenzene and methylcyclohexane (VOCs associated with gasoline) were reported at SB-02, and trace concentrations of the solvents 2-butanone (MEK) and/or acetone were detected at samples from SB-02, and SB-04 to SB-06. Trace concentrations of two PAHs were detected at SB-01. All VOC and PAH values were well below UU SCOs.

Lead (UU SCO 63 ppm) was detected in all sample locations, with a peak concentration of 40.5 ppm at SB-04.

#### **GROUNDWATER**

Trace- to low-level-concentrations of multiple compounds associated with gasoline were detected in the groundwater sample, including peak values of cyclohexane (5.2 ppb, AWQS not established), 1,2,4-trimethylbenzene (1.3 ppb, AWQS 5 ppb), and total xylenes (1.3 ppb, AWQS 5 ppb). Total VOCs were reported at 10.1 ppb.

#### **SOIL VAPOR**

Multiple VOCs, including petroleum compounds and solvents, were detected in all samples at low- to trace-level-concentrations typically found in urban areas/commercial settings. Detected VOCs include toluene ( $15 \mu\text{g}/\text{m}^3$ , peak value reported for all compounds) and tetrachloroethene (PCE, 4.9 to  $5.8 \mu\text{g}/\text{m}^3$ ). PCE levels do not exceed the applicable GESVI matrix value. Reported levels of VOCs are not consistent with any existing significant source areas of contamination at or near the Site.

### 3.0 CONCLUSIONS AND RECOMMENDATIONS

WCD has completed the services summarized in Section 2.0 on specified portions of the property located at 3095 Albany Post Road, Village of Buchannan, Town of Cortland, Westchester County, New York. An environmental investigation was conducted at the southwestern portion of the property (Site) to document the presence or absence of subsurface contamination resulting from historical commercial uses, including an automotive repair facility and a filling station.

Fieldwork included: extension of six (6) soil borings and completion of one (1) boring as a temporary groundwater monitoring well; installation of three (3) temporary soil vapor implants; and collection of soil vapor, soil and groundwater samples.

WCD's findings, conclusions and recommendations (in **bold**) are as follows:

No field evidence of contamination was encountered during boring activities, no significant levels of VOCs were found in soil and soil vapor samples, and no significant levels of PAHs or lead were found in soils. Elevated PID readings, slight petroleum odors and a slight sheen, however, were observed while sampling groundwater at the central portion of the Site, and dissolved volatile organic compounds (VOC) associated with gasoline were documented in groundwater (at concentrations below applicable groundwater quality standards).

These findings support the conclusion that:

1. Historical petroleum releases may have occurred at the property or at an off-site source;
2. VOCs in groundwater have naturally degraded or become diluted over time;
3. No significant source areas of contamination are likely to currently be present at the property (i.e. impacts from former historical uses are minimal), and,
4. The utility of the property is unlikely to be significantly impacted by site conditions.

**No further investigation is recommended. Future site development should be conducted with an awareness for the potential presence of poor-quality subsurface soils, which may require special handling. Given that groundwater may exhibit petroleum odors, consideration should be given to the use of sub-slab-depressurization systems at any new on-site structures that have sensitive uses (e.g., residential occupancy).**

**APPENDIX A**

***Fieldwork Map***







All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

### Fieldwork Map

3095 Albany Post Road  
Village of Buchanan  
Town of Cortlandt  
Westchester County, New York

#### Legend:

-  subject property border
-  soil boring location
-  soil vapor location
-  soil boring and monitoring well location

WCD File: AB18113.20

March 2019

Not to scale

Appendix A

## **APPENDIX B**

### ***Boring Logs***

# Soil Boring Log



SB-01  (SHEET 1 OF 1)		Phase II Environmental Investigation 3095 Albany Post Road, Town of Cortland, New York						WCD FILE AB18113.20
		DATE: 2019-02-20	DRILLER (RIG)	Core Down (7822DT Geoprobe, 5' macro-core)			WCD STAFF: E. Salazar	WEATHER: Overcast/Snow, High 20s F
BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: ASPHALT (6")  SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED	
0 – 5' (30%)	Dark brown F sandy SILT	Yes	0.9	ND	ND	ND	1.5	
5 – 8' (40%)	Brown to light brown F-M SAND with shale and stone fragments  ***** End of Boring at 8' (refusal) *****	No	0.0	ND	ND	ND		
<b>Notes</b> Weathered bedrock at 8' bsg No saturated soils encountered								

**ND** (non-detect)   **PID** (photoionization detector)   **ppm** (parts per million)   **NAPL** (non-aqueous phase liquid)  
**F** (fine)   **M** (medium)   **C** (coarse)   **P** (plastic)   **LP** (low plastic)   **NP** (non-plastic)

# Soil Boring Log



SB-02  (SHEET 1 OF 1)		Phase II Environmental Investigation 3095 Albany Post Road, Town of Cortland, New York						WCD FILE AB18113.20
		DATE: 2019-02-20		DRILLER (RIG) Core Down (7822DT Geoprobe, 5' macro-core)		WCD STAFF: E. Salazar		WEATHER: Overcast/Snow, High 20s F
BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: ASPHALT (6")  <b>SOIL / MATERIAL DESCRIPTION</b>	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED	
<b>0 – 5'</b> (35%)	Brown F sandy CLAY with rounded pebbles	Yes	0.0	ND	ND	ND		
<b>5 – 10'</b> (40%)	Brown F sandy SILT	No	1.0	ND	ND	ND	<b>5.5'</b>	
	Gravel from ~7 – 8'	No	0.0	ND	ND	ND		
	Brown F-M SAND	No	0.0	ND	ND	ND		
<b>10 – 14'</b> (50%)	Brown to light brown F sandy SILT ***** End of Boring at 14' (refusal) *****	Dry	0.0	ND	ND	ND		
<b>Notes</b> Weathered bedrock at 14'								

**ND** (non-detect)    **PID** (photoionization detector)    **ppm** (parts per million)    **NAPL** (non-aqueous phase liquid)  
**F** (fine)    **M** (medium)    **C** (coarse)    **P** (plastic)    **LP** (low plastic)    **NP** (non-plastic)

# Soil Boring Log



SB-03  (SHEET 1 OF 1)		Phase II Environmental Investigation 3095 Albany Post Road, Town of Cortland, New York						WCD FILE AB18113.20
		DATE: 2019-02-20		DRILLER (RIG) Core Down (7822DT Geoprobe, 5' macro-core)		WCD STAFF: E. Salazar		WEATHER: Overcast/Snow, High 20s F
BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: ASPHALT (6")  SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED	
0 – 5' (40%)	Light brown SILT	Yes	0.0	ND	ND	ND		
5 – 10' (40%)	Brown F SAND with some silt and large gravel from 7-10'	No	0.0	ND	ND	ND	5.5'	
10 – 15' (40%)	F SAND with gravel to 11'	Yes	0.0	ND	ND	ND	12"	
	Wet F SILT with M gravel 11-15"  ***** End of Boring at 15' *****	Wet	0.0	ND	ND	ND		
<b>Notes</b> Monitoring well set at 20' bsg (no soil recovered from 15 – 20') Well screen from 10' – 20' bsg Depth to water – 11.75' bsg PID readings at well casing after removal of rubber cap – 136.9 ppm								

**ND** (non-detect)    **PID** (photoionization detector)    **ppm** (parts per million)    **NAPL** (non-aqueous phase liquid)  
**F** (fine)    **M** (medium)    **C** (coarse)    **P** (plastic)    **LP** (low plastic)    **NP** (non-plastic)



# Soil Boring Log



SB-04  (SHEET 1 OF 1)		Phase II Environmental Investigation 3095 Albany Post Road, Town of Cortland, New York						WCD FILE AB18113.20
		DATE: 2019-02-20		DRILLER (RIG) Core Down (7822DT Geoprobe, 5' macro-core)		WCD STAFF: E. Salazar		WEATHER: Overcast/Snow, High 20s F
BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: ASPHALT (6")	SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 - 4' (40%)			Gray to light brown SILT ***** End of Boring at 4' (refusal) *****	Yes	0.0	ND	ND	ND
<b>Notes</b> Moved boring location 3' north, hit refusal again at 4'								

**ND** (non-detect)    **PID** (photoionization detector)    **ppm** (parts per million)    **NAPL** (non-aqueous phase liquid)  
**F** (fine)    **M** (medium)    **C** (coarse)    **P** (plastic)    **LP** (low plastic)    **NP** (non-plastic)

# Soil Boring Log



SB-05  (SHEET 1 OF 1)		Phase II Environmental Investigation 3095 Albany Post Road, Town of Cortland, New York						WCD FILE AB18113.20
		DATE: 2019-02-20		DRILLER (RIG) Core Down (7822DT Geoprobe, 5' macro-core)		WCD STAFF: E. Salazar		WEATHER: Overcast/Snow, High 20s F
BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: ASPHALT (6")	SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 5' (10%)	Asphalt			No	0.0	ND	ND	ND
5 – 10' (50%)	Dark brown to grayish clayey SILT (5 – 7')		Yes	0.0	ND	ND	ND	
	C-M grayish SAND (7 – 10')		Yes	0.0	ND	ND	ND	
10 – 15' (60%)	Gray to white C SAND with shale fragments ***** End of Boring at 15' (refusal) *****		Wet	0.0	ND	ND	ND	
<b>Notes</b> Saturated soils between ~11 – 12' bsg								

**ND** (non-detect)    **PID** (photoionization detector)    **ppm** (parts per million)    **NAPL** (non-aqueous phase liquid)  
**F** (fine)    **M** (medium)    **C** (coarse)    **P** (plastic)    **LP** (low plastic)    **NP** (non-plastic)

# Soil Boring Log



SB-06  (SHEET 1 OF 1)		Phase II Environmental Investigation 3095 Albany Post Road, Town of Cortland, New York						WCD FILE AB18113.20
		DATE: 2019-02-20		DRILLER (RIG) Core Down (7822DT Geoprobe, 5' macro-core)		WCD STAFF: E. Salazar		WEATHER: Overcast/Snow, High 20s F
BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: ASPHALT (6")	SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 5' (50%)	Brown to light brown SILT (0 – 2.5')		No	0.0	ND	ND	ND	
	Brown F – M SAND (2.5 – 5')		No	0.0	ND	ND	ND	
5 – 10' (60%)	Dark brown to light brown F – M SAND (5 – 7.5')		Yes	0.0	ND	ND	ND	
	Light brown to grayish M SAND with some gravel (7.5 – 10')		Yes	0.0	ND	ND	ND	
***** End of Boring at 15' (refusal) *****								
<b>Notes</b> No saturated soils encountered								

**ND** (non-detect)    **PID** (photoionization detector)    **ppm** (parts per million)    **NAPL** (non-aqueous phase liquid)  
**F** (fine)    **M** (medium)    **C** (coarse)    **P** (plastic)    **LP** (low plastic)    **NP** (non-plastic)

## **APPENDIX C**

### ***Data Summary Tables***

**Table 1: VOCs in Soils**  
**WCD File: AB18113**



All data in mg/Kg (ppm)										
VOCs, #260	Sample ID		SB-01 1.5		SB-02 5.5		SB-03 12		SB-04 2.5	
	UUSCO	RRUSCO	(2019-02-20)		(2019-02-20)		(2019-02-20)		(2019-02-20)	
	Dilution Factor		1	Qualifier	1	Qualifier	1	Qualifier	1	Qualifier
1,1,1,2-Tetrachloroethane	NA	NA	0.0025	U	0.0025	U	0.0025	U	0.0023	U
1,1,1-Trichloroethane	0.68	100	0.0025	U	0.0025	U	0.0025	U	0.0023	U
1,1,2,2-Tetrachloroethane	NA	NA	0.0025	U	0.0025	U	0.0025	U	0.0023	U
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	0.0025	U	0.0025	U	0.0025	U	0.0023	U
1,1,2-Trichloroethane	NA	NA	0.0025	U	0.0025	U	0.0025	U	0.0023	U
1,1-Dichloroethane	0.27	26	0.0025	U	0.0025	U	0.0025	U	0.0023	U
1,1-Dichloroethylene (1,1-DCE)	0.33	100	0.0025	U	0.0025	U	0.0025	U	0.0023	U
1,2,3-Trichlorobenzene	NA	NA	0.0025	U	0.0025	U	0.0025	U	0.0023	U
1,2,3-Trichloropropane	NA	NA	0.0025	U	0.0025	U	0.0025	U	0.0023	U
1,2,4-Trichlorobenzene	NA	NA	0.0025	U	0.0025	U	0.0025	U	0.0023	U
1,2,4-Trimethylbenzene	3.6	52	0.0025	U	0.0046	J	0.0025	U	0.0023	U
1,2-Dibromo-3-chloropropane	NA	NA	0.0025	U	0.0025	U	0.0025	U	0.0023	U
1,2-Dibromoethane	NA	NA	0.0025	U	0.0025	U	0.0025	U	0.0023	U
1,2-Dichlorobenzene	1.1	100	0.0025	U	0.0025	U	0.0025	U	0.0023	U
1,2-Dichloroethane	0.02	3.1	0.0025	U	0.0025	U	0.0025	U	0.0023	U
1,2-Dichloropropane	NA	NA	0.0025	U	0.0025	U	0.0025	U	0.0023	U
1,3,5-Trimethylbenzene	8.4	52	0.0025	U	0.0025	U	0.0025	U	0.0023	U
1,3-Dichlorobenzene	2.4	49	0.0025	U	0.0025	U	0.0025	U	0.0023	U
1,4-Dichlorobenzene	1.8	13	0.0025	U	0.0025	U	0.0025	U	0.0023	U
1,4-Dioxane	0.1	13	0.05	U	0.049	U	0.049	U	0.046	U
2-Butanone (MEK)	0.12	100	0.0025	U	0.0025	U	0.0025	U	0.0026	J
2-Hexanone	NA	NA	0.0025	U	0.0025	U	0.0025	U	0.0023	U
4-Methyl-2-pentanone	NA	NA	0.0025	U	0.0025	U	0.0025	U	0.0023	U
Acetone	0.05	100	0.005	U	0.017		0.0049	U	0.01	
Acrolein	NA	NA	0.005	U	0.0049	U	0.0049	U	0.0046	U
Acrylonitrile	NA	NA	0.0025	U	0.0025	U	0.0025	U	0.0023	U
Benzene	0.06	4.8	0.0025	U	0.0025	U	0.0025	U	0.0023	U
Bromochloromethane	NA	NA	0.0025	U	0.0025	U	0.0025	U	0.0023	U
Bromodichloromethane	NA	NA	0.0025	U	0.0025	U	0.0025	U	0.0023	U
Bromoform	NA	NA	0.0025	U	0.0025	U	0.0025	U	0.0023	U
Bromomethane	NA	NA	0.0025	U	0.0025	U	0.0025	U	0.0023	U
Carbon disulfide	NA	NA	0.0025	U	0.0025	U	0.0025	U	0.0023	U
Carbon tetrachloride	0.76	2.4	0.0025	U	0.0025	U	0.0025	U	0.0023	U
Chlorobenzene	1.1	100	0.0025	U	0.0025	U	0.0025	U	0.0023	U
Chloroethane	NA	NA	0.0025	U	0.0025	U	0.0025	U	0.0023	U
Chloroform	0.37	49	0.0025	U	0.0025	U	0.0025	U	0.0023	U
Chloromethane	NA	NA	0.0025	U	0.0025	U	0.0025	U	0.0023	U
cis-1,2-Dichloroethylene (cis-DCE)	0.25	100	0.0025	U	0.0025	U	0.0025	U	0.0023	U
cis-1,3-Dichloropropylene	NA	NA	0.0025	U	0.0025	U	0.0025	U	0.0023	U
Cyclohexane	NA	NA	0.0025	U	0.0025	U	0.0025	U	0.0023	U
Dibromochloromethane	NA	NA	0.0025	U	0.0025	U	0.0025	U	0.0023	U
Dibromomethane	NA	NA	0.0025	U	0.0025	U	0.0025	U	0.0023	U
Dichlorodifluoromethane	NA	NA	0.0025	U	0.0025	U	0.0025	U	0.0023	U
Ethyl Benzene	1	41	0.0025	U	0.0025	U	0.0025	U	0.0023	U
Hexachlorobutadiene	NA	NA	0.0025	U	0.0025	U	0.0025	U	0.0023	U
Isopropylbenzene	2.3	100	0.0025	U	0.0025	U	0.0025	U	0.0023	U
Methyl acetate	NA	NA	0.0025	U	0.0025	U	0.0025	U	0.0023	U
Methyl tert-butyl ether (MTBE)	0.93	100	0.0025	U	0.0025	U	0.0025	U	0.0023	U
Methylcyclohexane	NA	NA	0.0025	U	0.0034	J	0.0025	U	0.0023	U
Methylene chloride	0.05	100	0.005	U	0.0049	U	0.0049	U	0.0046	U
n-Butylbenzene	12	100	0.0025	U	0.0025	U	0.0025	U	0.0023	U
n-Propylbenzene	3.9	100	0.0025	U	0.0025	U	0.0025	U	0.0023	U
o-Xylene	0.26	100	0.0025	U	0.0025	U	0.0025	U	0.0023	U
p- & m- Xylenes	0.26	100	0.005	U	0.0049	U	0.0049	U	0.0046	U
p-Isopropyltoluene	10	NA	0.0025	U	0.0025	U	0.0025	U	0.0023	U
sec-Butylbenzene	11	100	0.0025	U	0.0025	U	0.0025	U	0.0023	U
Styrene	NA	NA	0.0025	U	0.0025	U	0.0025	U	0.0023	U
tert-Butyl alcohol (TBA)	NA	NA	0.0025	U	0.0025	U	0.0025	U	0.0023	U
tert-Butylbenzene	5.9	100	0.0025	U	0.0025	U	0.0025	U	0.0023	U
Tetrachloroethylene (PCE)	1.3	19	0.0025	U	0.0025	U	0.0025	U	0.0023	U
Toluene	0.7	100	0.0025	U	0.0025	U	0.0025	U	0.0023	U
trans-1,2-Dichloroethylene (trans-DCE)	0.19	100	0.0025	U	0.0025	U	0.0025	U	0.0023	U
trans-1,3-Dichloropropylene	NA	NA	0.0025	U	0.0025	U	0.0025	U	0.0023	U
Trichloroethylene (TCE)	0.47	21	0.0025	U	0.0025	U	0.0025	U	0.0023	U
Trichlorofluoromethane	NA	NA	0.0025	U	0.0025	U	0.0025	U	0.0023	U
Vinyl chloride (VC)	0.02	0.9	0.0025	U	0.0025	U	0.0025	U	0.0023	U
Xylenes, Total	0.26	100	0.0076	U	0.0074	U	0.0074	U	0.0068	U

Analyte Detected  
Analyte Above UUSCO  
Analyte Above RRUSCO

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available  
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

**Table 1: VOCs in Soils**

WCD File: AB18113



All data in mg/Kg (ppm)		Sample ID	SB-05 11		SB-06 9	
U= Not Detected ≥ indicated value		Sample Date	(2019-02-20)		(2019-02-20)	
Data above SCOs shown in <b>Bold</b>		Dilution Factor	1		1	
VOCs, 8260	UUSCO	RRUSCO	Result	Qualifier	Result	Qualifier
1,1,1,2-Tetrachloroethane	NA	NA	0.0022	U	0.0023	U
1,1,1-Trichloroethane	0.68	100	0.0022	U	0.0023	U
1,1,2,2-Tetrachloroethane	NA	NA	0.0022	U	0.0023	U
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	0.0022	U	0.0023	U
1,1,2-Trichloroethane	NA	NA	0.0022	U	0.0023	U
1,1-Dichloroethane	0.27	26	0.0022	U	0.0023	U
1,1-Dichloroethylene (1,1-DCE)	0.33	100	0.0022	U	0.0023	U
1,2,3-Trichlorobenzene	NA	NA	0.0022	U	0.0023	U
1,2,3-Trichloropropane	NA	NA	0.0022	U	0.0023	U
1,2,4-Trichlorobenzene	NA	NA	0.0022	U	0.0023	U
1,2,4-Trimethylbenzene	3.6	52	0.0022	U	0.0023	U
1,2-Dibromo-3-chloropropane	NA	NA	0.0022	U	0.0023	U
1,2-Dibromoethane	NA	NA	0.0022	U	0.0023	U
1,2-Dichlorobenzene	1.1	100	0.0022	U	0.0023	U
1,2-Dichloroethane	0.02	3.1	0.0022	U	0.0023	U
1,2-Dichloropropane	NA	NA	0.0022	U	0.0023	U
1,3,5-Trimethylbenzene	8.4	52	0.0022	U	0.0023	U
1,3-Dichlorobenzene	2.4	49	0.0022	U	0.0023	U
1,4-Dichlorobenzene	1.8	13	0.0022	U	0.0023	U
1,4-Dioxane	0.1	13	0.044	U	0.047	U
2-Butanone (MEK)	0.12	100	0.003	J	0.007	
2-Hexanone	NA	NA	0.0022	U	0.0023	U
4-Methyl-2-pentanone	NA	NA	0.0022	U	0.0023	U
Acetone	0.05	100	0.011		0.027	
Acrolein	NA	NA	0.0044	U	0.0047	U
Acrylonitrile	NA	NA	0.0022	U	0.0023	U
Benzene	0.06	4.8	0.0022	U	0.0023	U
Bromochloromethane	NA	NA	0.0022	U	0.0023	U
Bromodichloromethane	NA	NA	0.0022	U	0.0023	U
Bromoform	NA	NA	0.0022	U	0.0023	U
Bromomethane	NA	NA	0.0022	U	0.0023	U
Carbon disulfide	NA	NA	0.0022	U	0.0023	U
Carbon tetrachloride	0.76	2.4	0.0022	U	0.0023	U
Chlorobenzene	1.1	100	0.0022	U	0.0023	U
Chloroethane	NA	NA	0.0022	U	0.0023	U
Chloroform	0.37	49	0.0022	U	0.0023	U
Chloromethane	NA	NA	0.0022	U	0.0023	U
cis-1,2-Dichloroethylene (cis-DCE)	0.25	100	0.0022	U	0.0023	U
cis-1,3-Dichloropropylene	NA	NA	0.0022	U	0.0023	U
Cyclohexane	NA	NA	0.0022	U	0.0023	U
Dibromochloromethane	NA	NA	0.0022	U	0.0023	U
Dibromomethane	NA	NA	0.0022	U	0.0023	U
Dichlorodifluoromethane	NA	NA	0.0022	U	0.0023	U
Ethyl Benzene	1	41	0.0022	U	0.0023	U
Hexachlorobutadiene	NA	NA	0.0022	U	0.0023	U
Isopropylbenzene	2.3	100	0.0022	U	0.0023	U
Methyl acetate	NA	NA	0.0022	U	0.0023	U
Methyl tert-butyl ether (MTBE)	0.93	100	0.0022	U	0.0023	U
Methylcyclohexane	NA	NA	0.0022	U	0.0023	U
Methylene chloride	0.05	100	0.0044	U	0.0047	U
n-Butylbenzene	12	100	0.0022	U	0.0023	U
n-Propylbenzene	3.9	100	0.0022	U	0.0023	U
o-Xylene	0.26	100	0.0022	U	0.0023	U
p- & m- Xylenes	0.26	100	0.0044	U	0.0047	U
p-Isopropyltoluene	10	NA	0.0022	U	0.0023	U
sec-Butylbenzene	11	100	0.0022	U	0.0023	U
Styrene	NA	NA	0.0022	U	0.0023	U
tert-Butyl alcohol (TBA)	NA	NA	0.0022	U	0.0023	U
tert-Butylbenzene	5.9	100	0.0022	U	0.0023	U
Tetrachloroethylene (PCE)	1.3	19	0.0022	U	0.0023	U
Toluene	0.7	100	0.0022	U	0.0023	U
trans-1,2-Dichloroethylene (trans-DCE)	0.19	100	0.0022	U	0.0023	U
trans-1,3-Dichloropropylene	NA	NA	0.0022	U	0.0023	U
Trichloroethylene (TCE)	0.47	21	0.0022	U	0.0023	U
Trichlorofluoromethane	NA	NA	0.0022	U	0.0023	U
Vinyl chloride (VC)	0.02	0.9	0.0022	U	0.0023	U
Xylenes, Total	0.26	100	0.0066	U	0.007	U

Analyte Detected  
 Analyte Above UUSCO  
 Analyte Above RRUSCO

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available  
 Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

**Table 2: PAHs and Lead in Soils**

WCD File: AB18113



All data in mg/Kg (ppm)		Sample ID	SB-01 1.5		SB-03 12		SB-04 2.5		SB-06 9	
U= Not Detected ≥ indicated value		Sample Date	(2019-02-20)		(2019-02-20)		(2019-02-20)		(2019-02-20)	
Data above SCOs shown in <b>Bold</b>		Dilution Factor	2		2		2		2	
<b>SVOCs, 8270</b>	<b>UUSCO</b>	<b>RRUSCO</b>	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
2-Methylnaphthalene	NA	NA	0.0473	U	0.0488	U	0.0495	U	0.0474	U
Acenaphthene	20	100	0.0473	U	0.0488	U	0.0495	U	0.0474	U
Acenaphthylene	100	100	0.0473	U	0.0488	U	0.0495	U	0.0474	U
Anthracene	100	100	0.0473	U	0.0488	U	0.0495	U	0.0474	U
Benzo(a)anthracene	1	1	0.0473	U	0.0488	U	0.0495	U	0.0474	U
Benzo(a)pyrene	1	1	0.0473	U	0.0488	U	0.0495	U	0.0474	U
Benzo(b)fluoranthene	1	1	0.0473	U	0.0488	U	0.0495	U	0.0474	U
Benzo(g,h,i)perylene	100	100	0.0473	U	0.0488	U	0.0495	U	0.0474	U
Benzo(k)fluoranthene	0.8	3.9	0.0473	U	0.0488	U	0.0495	U	0.0474	U
Chrysene	1	3.9	0.0473	U	0.0488	U	0.0495	U	0.0474	U
Dibenzo(a,h)anthracene	0.33	0.33	0.0473	U	0.0488	U	0.0495	U	0.0474	U
Fluoranthene	100	100	0.0513	JD	0.0488	U	0.0495	U	0.0474	U
Fluorene	30	100	0.0473	U	0.0488	U	0.0495	U	0.0474	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.0473	U	0.0488	U	0.0495	U	0.0474	U
Naphthalene	12	100	0.0473	U	0.0488	U	0.0495	U	0.0474	U
Phenanthrene	100	100	0.0473	U	0.0488	U	0.0495	U	0.0474	U
Pyrene	100	100	0.0604	JD	0.0488	U	0.0495	U	0.0474	U

All data in mg/Kg (ppm)		Sample ID	SB-01 1.5		SB-03 12		SB-04 2.5		SB-06 9	
U= Not Detected ≥ indicated value		Sample Date	(2019-02-20)		(2019-02-20)		(2019-02-20)		(2019-02-20)	
Data above SCOs shown in <b>Bold</b>		Dilution Factor	1		1		1		1	
<b>Total Lead, 6010</b>	<b>UUSCO</b>	<b>RRUSCO</b>	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
lead	63	400	29.9		8.17		40.5		3.67	

- Analyte Detected
- Analyte Above UUSCO
- Analyte Above RRUSCO

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available  
 Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

**Table 3: VOCs in Groundwater**

WCD File: AB18113



All data in µg/L (parts per billion, ppb) U= Not Detected ≥ indicated value Data above AWQS shown in <b>Bold</b>		Sample ID Sample Date	TMW-01 20190220 (2019/02/20)	
		Dilution Factor	1	
VOCs, 8260	AWQS	Result	Qualifier	
1,1,1,2-tetrachloroethane	5	0.2	U	
1,1,1-trichloroethane	5	0.2	U	
1,1,2,2-tetrachloroethane	5	0.2	U	
1,1,2-trichloro-1,2,2-trifluoroethane	5	0.2	U	
1,1,2-trichloroethane	1	0.2	U	
1,1-dichloroethane	5	0.2	U	
1,1-dichloroethylene (1,1-DCE)	5	0.2	U	
1,2,3-trichlorobenzene	5	0.2	U	
1,2,3-trichloropropane	0.04	0.2	U	
1,2,4-trichlorobenzene	5	0.2	U	
1,2,4-trimethylbenzene	5	1.3		
1,2-dibromo-3-chloropropane	0.04	0.2	U	
1,2-dibromoethane	5	0.2	U	
1,2-dichlorobenzene	3	0.2	U	
1,2-dichloroethane	0.6	0.2	U	
1,2-dichloropropane	1	0.2	U	
1,3,5-trimethylbenzene	5	0.5		
1,3-dichlorobenzene	3	0.2	U	
1,4-dichlorobenzene	3	0.2	U	
1,4-dioxane	NA	40	U	
2-butanone (MEK)	50	0.2	U	
2-hexanone (MBK)	50	0.2	U	
4-methyl-2-pentanone	NA	0.2	U	
acetone	50	1	U	
acrolein	5	0.2	U	
acrylonitrile	5	0.2	U	
benzene	1	0.2	U	
bromochloromethane	5	0.2	U	
bromodichloromethane	50	0.2	U	
bromoform	50	0.2	U	
bromomethane	5	0.2	U	
carbon disulfide	NA	0.26	J	
carbon tetrachloride	5	0.2	U	
chlorobenzene	5	0.2	U	
chloroethane	5	0.2	U	
chloroform	7	0.2	U	
chloromethane	5	0.2	U	
cis-1,2-dichloroethylene (cis-DCE)	5	0.2	U	
cis-1,3-dichloropropylene	0.4	0.2	U	
cyclohexane	NA	5.2		
dibromochloromethane	5	0.2	U	
dibromomethane	5	0.2	U	
dichlorodifluoromethane	5	0.2	U	
ethyl benzene	5	0.35	J	
hexachlorobutadiene	0.5	0.2	U	
isopropylbenzene	5	0.2	U	
methyl acetate	NA	0.2	U	
methyl tert-butyl ether (MTBE)	10	0.2	U	
methylcyclohexane	NA	0.2	U	
methylene chloride	5	1	U	
n-butylbenzene	5	0.2	U	
n-propylbenzene	5	0.2	U	
o-xylene (included in total xylenes)	5	0.33	J	
p- & m- xylenes (included in total xylenes)	5	1		
p-isopropyltoluene	5	0.2	U	
sec-butylbenzene	5	0.75		
styrene	5	0.2	U	
tert-butyl alcohol (TBA)	NA	0.5	U	
tert-butylbenzene	5	0.2	U	
tetrachloroethylene (PCE)	5	0.2	U	
toluene	5	0.42	J	
trans-1,2-dichloroethylene (trans-DCE)	5	0.2	U	
trans-1,3-dichloropropylene	0.4	0.2	U	
trichloroethylene (TCE)	5	0.2	U	
trichlorofluoromethane	5	0.2	U	
vinyl chloride (VC)	2	0.2	U	
xylenes, total	5	1.3	J	
<b>TOTAL chlorinated compounds</b>			<b>Not Detected</b>	
<b>TOTAL PCE, TCE and breakdown products</b>			<b>Not Detected</b>	
<b>TOTAL petroleum compounds</b>			<b>9.8</b>	
<b>TOTAL BTEX</b>			<b>2.1</b>	
<b>TOTAL VOCs</b>			<b>10.1</b>	

Detected concentrations

Concentrations above AWQS

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available  
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted



**Table 4: VOCs in Soil Vapor**  
**WCD File: AB18113**



Sample ID Sample Date Dilution Factor	SV-01 (2019-02-20)		SV-02 (2019-02-20)		SV-03 (2019-02-20)		SV-04 (2019-02-20)	
	1.372		1.473		1.386		1.301	
	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
<b>VOCs, TO-15</b>								
1,1,1,2-Tetrachloroethane	0.94	U	1	U	0.95	U	0.89	U
1,1,1,1-Trichloroethane	0.75	U	0.8	U	0.76	U	0.71	U
1,1,2,2-Tetrachloroethane	0.94	U	1	U	0.95	U	0.89	U
1,1,2-Trichloro-1,2,2-trifluoroethane	1.1	U	1.1	U	1.1	U	1	U
1,1,2-Trichloroethane	0.75	U	0.8	U	0.76	U	0.71	U
1,1-Dichloroethane	0.56	U	0.6	U	0.56	U	0.53	U
1,1-Dichloroethene	0.54	U	0.58	U	0.55	U	0.52	U
1,2,4-Trichlorobenzene	1	U	1.1	U	1	U	0.97	U
1,2,4-Trimethylbenzene	0.67	U	0.72	U	0.68	U	0.64	U
1,2-Dibromoethane	1.1	U	1.1	U	1.1	U	1	U
1,2-Dichlorobenzene	0.82	U	0.89	U	0.83	U	0.78	U
1,2-Dichloroethane	0.56	U	0.6	U	0.56	U	0.53	U
1,2-Dichloropropane	0.63	U	0.68	U	0.64	U	0.6	U
1,2-Dichlorotetrafluoroethane	0.96	U	1	U	0.97	U	0.91	U
1,3,5-Trimethylbenzene	0.67	U	0.72	U	0.68	U	0.64	U
1,3-Butadiene	0.91	U	0.98	U	0.92	U	0.86	U
1,3-Dichlorobenzene	0.82	U	0.89	U	0.83	U	0.78	U
1,3-Dichloropropane	0.63	U	0.68	U	0.64	U	0.6	U
1,4-Dichlorobenzene	0.82	U	0.89	U	0.83	U	0.78	U
1,4-Dioxane	0.99	U	1.1	U	1	U	0.94	U
2-Butanone	3.6	D	6.7	D	6.8	D	4.2	D
2-Hexanone	1.1	U	1.2	U	1.1	U	1.1	U
3-Chloropropene	2.1	U	2.3	U	2.2	U	2	U
4-Methyl-2-pentanone	0.56	U	0.6	U	0.57	U	0.53	U
Acetone	5.8	D	11	D	20	D	18	D
Acrylonitrile	0.3	U	0.32	U	0.3	U	0.28	U
Benzene	2.1	D	0.47	D	0.44	U	0.87	D
Benzyl chloride	0.71	U	0.76	U	0.72	U	0.67	U
Bromodichloromethane	0.92	U	0.99	U	0.93	U	0.87	U
Bromoform	1.4	U	1.5	U	1.4	U	1.3	U
Bromomethane	0.53	U	0.57	U	0.54	U	0.51	U
Carbon disulfide	15	D	13	D	0.43	U	12	D
Carbon tetrachloride	0.22	U	0.23	U	0.22	U	0.2	U
Chlorobenzene	0.63	U	0.68	U	0.64	U	0.6	U
Chloroethane	0.36	U	0.39	U	0.37	U	0.34	U
Chloroform	0.67	U	0.72	U	0.68	U	0.64	U
Chloromethane	0.28	U	0.3	U	0.29	U	0.27	U
cis-1,2-Dichloroethene	0.54	U	0.58	U	0.55	U	0.52	U
cis-1,3-Dichloropropene	0.62	U	0.67	U	0.63	U	0.59	U
Cyclohexane	0.66	D	0.51	U	0.48	U	0.67	D
Dibromochloromethane	1.2	U	1.3	U	1.2	U	1.1	U
Dichlorodifluoromethane	1.5	D	2.1	D	2.1	D	2.1	D
Ethyl Acetate	0.99	U	1.1	U	1	U	0.94	U
Ethylbenzene	1	D	0.64	U	0.66	D	0.9	D
Hexachlorobutadiene	1.5	U	1.6	U	1.5	U	1.4	U
Isopropanol	0.94	D	3	D	17	D	4.2	D
Methyl Methacrylate	0.56	U	0.6	U	0.57	U	0.53	U
Methyl tert butyl ether	0.49	U	0.53	U	0.5	U	0.47	U
Methylene chloride	0.95	U	1	U	2.2	D	0.9	U
Naphthalene	7.2	U	7.7	U	7.3	U	6.8	U
n-Heptane	4.1	D	2.5	D	2.5	D	4.5	D
n-Hexane	1.7	D	0.52	U	0.49	U	3.5	D
o-Xylene	0.95	D	0.77	D	0.84	D	0.96	D
p/m-Xylene	2.7	D	2	D	2	D	2.6	D
p-Ethyltoluene	0.67	U	0.72	U	0.68	U	0.64	U
Propylene	1.4	D	1.3	D	1.8	D	2.8	D
Styrene	0.58	U	0.63	U	0.59	U	0.55	U
Tetrachloroethene	5.7	D	5.1	D	4.9	D	5.8	D
Tetrahydrofuran	0.81	U	0.87	U	0.82	U	0.77	U
Toluene	14	D	13	D	12	D	15	D
trans-1,2-Dichloroethene	0.54	U	0.58	U	0.55	U	0.52	U
trans-1,3-Dichloropropene	0.62	U	0.67	U	0.63	U	0.59	U
Trichloroethene	0.18	U	0.2	U	0.19	U	0.17	U
Trichlorofluoromethane	0.77	D	1.1	D	1.2	D	1	D
Vinyl acetate	0.48	U	0.52	U	0.49	U	0.46	U
Vinyl bromide	0.6	U	0.64	U	0.61	U	0.57	U
Vinyl chloride	0.35	U	0.38	U	0.35	U	0.33	U

Detected concentrations  
 Relatively elevated concentrations

Notes: NA = not available  
 Result Qualifiers: J = approximate E = estimated B = detected in blank

**APPENDIX D**

***Laboratory Reports***



# Technical Report

prepared for:

**WCD Group - Poughkeepsie NY**  
24 Davis Avenue  
Poughkeepsie NY, 12603  
**Attention: Erick Salazar**

Report Date: 02/28/2019  
**Client Project ID: AB18113**  
York Project (SDG) No.: 19B0759

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE  
[www.YORKLAB.com](http://www.YORKLAB.com)

STRATFORD, CT 06615  
(203) 325-1371

132-02 89th AVENUE  
FAX (203) 357-0166

RICHMOND HILL, NY 11418  
[ClientServices@yorklab.com](mailto:ClientServices@yorklab.com)

Report Date: 02/28/2019  
Client Project ID: AB18113  
York Project (SDG) No.: 19B0759

**WCD Group - Poughkeepsie NY**  
24 Davis Avenue  
Poughkeepsie NY, 12603  
Attention: Erick Salazar

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## 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 February 21, 2019 and listed below. The project was identified as your project: **AB18113**.

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

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

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

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
19B0759-01	SB-01 1.5	Soil	02/20/2019	02/21/2019
19B0759-02	SB-03 12	Soil	02/20/2019	02/21/2019
19B0759-03	SB-04 2.5	Soil	02/20/2019	02/21/2019
19B0759-04	SB-06 9	Soil	02/20/2019	02/21/2019
19B0759-05	SB-02 5.5	Soil	02/20/2019	02/21/2019
19B0759-06	SB-05 11	Soil	02/20/2019	02/21/2019
19B0759-07	TMW-01 20190220	Water	02/20/2019	02/21/2019

## **General Notes for York Project (SDG) No.: 19B0759**

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:**



Benjamin Gulizia  
Laboratory Director

**Date:** 02/28/2019





### Sample Information

**Client Sample ID:** SB-01 1.5

**York Sample ID:** 19B0759-01

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
19B0759	AB18113	Soil	February 20, 2019 12:00 am	02/21/2019

**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 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/27/2019 07:30	02/27/2019 18:44	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/27/2019 07:30	02/27/2019 18:44	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP
123-91-1	1,4-Dioxane	ND		ug/kg dry	50	100	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP
78-93-3	2-Butanone	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP
591-78-6	2-Hexanone	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP



## Sample Information

**Client Sample ID:** SB-01 1.5

**York Sample ID:** 19B0759-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19B0759

AB18113

Soil

February 20, 2019 12:00 am

02/21/2019

**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
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP
67-64-1	Acetone	ND		ug/kg dry	5.0	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP
107-02-8	Acrolein	ND		ug/kg dry	5.0	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP
107-13-1	Acrylonitrile	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP
71-43-2	Benzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP
74-97-5	Bromochloromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP
75-25-2	Bromoform	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP
74-83-9	Bromomethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP
75-15-0	Carbon disulfide	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP
108-90-7	Chlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP
75-00-3	Chloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP
67-66-3	Chloroform	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP
74-87-3	Chloromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP
110-82-7	Cyclohexane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP
74-95-3	Dibromomethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP



### Sample Information

**Client Sample ID:** SB-01 1.5

**York Sample ID:** 19B0759-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19B0759

AB18113

Soil

February 20, 2019 12:00 am

02/21/2019

**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
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP
79-20-9	Methyl acetate	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP
75-09-2	Methylene chloride	ND		ug/kg dry	5.0	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP
95-47-6	o-Xylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.0	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP
100-42-5	Styrene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP
108-88-3	Toluene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP
79-01-6	Trichloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 18:44	TMP
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.6	15	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/27/2019 07:30	02/27/2019 18:44	TMP

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	111 %	77-125
2037-26-5	Surrogate: SURR: Toluene-d8	117 %	85-120





### Sample Information

**Client Sample ID:** SB-01 1.5

**York Sample ID:** 19B0759-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19B0759

AB18113

Soil

February 20, 2019 12:00 am

02/21/2019

**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	121 %			76-130						

**Semi-Volatiles, PAH Target List**

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
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	47.3	94.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/25/2019 14:30	02/26/2019 12:07	SR
83-32-9	Acenaphthene	ND		ug/kg dry	47.3	94.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/25/2019 14:30	02/26/2019 12:07	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	47.3	94.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/25/2019 14:30	02/26/2019 12:07	SR
120-12-7	Anthracene	ND		ug/kg dry	47.3	94.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/25/2019 14:30	02/26/2019 12:07	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	47.3	94.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/25/2019 14:30	02/26/2019 12:07	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	47.3	94.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/25/2019 14:30	02/26/2019 12:07	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	47.3	94.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/25/2019 14:30	02/26/2019 12:07	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	47.3	94.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/25/2019 14:30	02/26/2019 12:07	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	47.3	94.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/25/2019 14:30	02/26/2019 12:07	SR
218-01-9	Chrysene	ND		ug/kg dry	47.3	94.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/25/2019 14:30	02/26/2019 12:07	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	47.3	94.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/25/2019 14:30	02/26/2019 12:07	SR
206-44-0	<b>Fluoranthene</b>	<b>51.3</b>	J	ug/kg dry	47.3	94.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/25/2019 14:30	02/26/2019 12:07	SR
86-73-7	Fluorene	ND		ug/kg dry	47.3	94.4	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/25/2019 14:30	02/26/2019 12:07	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	47.3	94.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/25/2019 14:30	02/26/2019 12:07	SR
91-20-3	Naphthalene	ND		ug/kg dry	47.3	94.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/25/2019 14:30	02/26/2019 12:07	SR
85-01-8	Phenanthrene	ND		ug/kg dry	47.3	94.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/25/2019 14:30	02/26/2019 12:07	SR
129-00-0	<b>Pyrene</b>	<b>60.4</b>	J	ug/kg dry	47.3	94.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/25/2019 14:30	02/26/2019 12:07	SR

**Surrogate Recoveries**

**Result**

**Acceptance Range**

4165-60-0	Surrogate: SURR: Nitrobenzene-d5	86.6 %	22-108
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	54.6 %	21-113
1718-51-0	Surrogate: SURR: Terphenyl-d14	70.1 %	24-116



### Sample Information

**Client Sample ID:** SB-01 1.5

**York Sample ID:** 19B0759-01

<u>York Project (SDG) No.</u> 19B0759	<u>Client Project ID</u> AB18113	<u>Matrix</u> Soil	<u>Collection Date/Time</u> February 20, 2019 12:00 am	<u>Date Received</u> 02/21/2019
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**Lead by EPA 6010**

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
7439-92-1	Lead	29.9		mg/kg dry	0.568	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2019 09:36	02/22/2019 19:31	KML

**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	88.0		%	0.100	1	SM 2540G Certifications: CTDOH	02/22/2019 09:31	02/22/2019 15:07	JTV

### Sample Information

**Client Sample ID:** SB-03 12

**York Sample ID:** 19B0759-02

<u>York Project (SDG) No.</u> 19B0759	<u>Client Project ID</u> AB18113	<u>Matrix</u> Soil	<u>Collection Date/Time</u> February 20, 2019 12:00 am	<u>Date Received</u> 02/21/2019
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**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	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/26/2019 18:20	02/27/2019 02:56	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/26/2019 18:20	02/27/2019 02:56	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP



### Sample Information

**Client Sample ID:** SB-03 12

**York Sample ID:** 19B0759-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19B0759

AB18113

Soil

February 20, 2019 12:00 am

02/21/2019

**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
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP
123-91-1	1,4-Dioxane	ND		ug/kg dry	49	98	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP
78-93-3	2-Butanone	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP
591-78-6	2-Hexanone	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP
67-64-1	Acetone	ND		ug/kg dry	4.9	9.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP
107-02-8	Acrolein	ND		ug/kg dry	4.9	9.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP
107-13-1	Acrylonitrile	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP
71-43-2	Benzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP
74-97-5	Bromochloromethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP
75-25-2	Bromoform	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP
74-83-9	Bromomethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP
75-15-0	Carbon disulfide	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP



### Sample Information

**Client Sample ID:** SB-03 12

**York Sample ID:** 19B0759-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19B0759

AB18113

Soil

February 20, 2019 12:00 am

02/21/2019

**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
108-90-7	Chlorobenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP
75-00-3	Chloroethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP
67-66-3	Chloroform	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP
74-87-3	Chloromethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP
110-82-7	Cyclohexane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP
74-95-3	Dibromomethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP
79-20-9	Methyl acetate	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP
75-09-2	Methylene chloride	ND		ug/kg dry	4.9	9.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP
95-47-6	o-Xylene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.9	9.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP



### Sample Information

**Client Sample ID:** SB-03 12

**York Sample ID:** 19B0759-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19B0759

AB18113

Soil

February 20, 2019 12:00 am

02/21/2019

**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	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP
108-88-3	Toluene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP
79-01-6	Trichloroethylene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 02:56	TMP
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.4	15	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/26/2019 18:20	02/27/2019 02:56	TMP

**Surrogate Recoveries**

**Result**

**Acceptance Range**

17060-07-0	Surrogate: <i>SURR: 1,2-Dichloroethane-d4</i>	90.3 %									
2037-26-5	Surrogate: <i>SURR: Toluene-d8</i>	108 %									
460-00-4	Surrogate: <i>SURR: p-Bromofluorobenzene</i>	101 %									

**Semi-Volatiles, PAH Target List**

**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
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	48.8	97.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/26/2019 13:13	02/27/2019 10:28	OW
83-32-9	Acenaphthene	ND		ug/kg dry	48.8	97.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/26/2019 13:13	02/27/2019 10:28	OW
208-96-8	Acenaphthylene	ND		ug/kg dry	48.8	97.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/26/2019 13:13	02/27/2019 10:28	OW
120-12-7	Anthracene	ND		ug/kg dry	48.8	97.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/26/2019 13:13	02/27/2019 10:28	OW
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	48.8	97.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/26/2019 13:13	02/27/2019 10:28	OW
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	48.8	97.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/26/2019 13:13	02/27/2019 10:28	OW
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	48.8	97.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/26/2019 13:13	02/27/2019 10:28	OW



### Sample Information

**Client Sample ID:** SB-03 12

**York Sample ID:** 19B0759-02

<u>York Project (SDG) No.</u> 19B0759	<u>Client Project ID</u> AB18113	<u>Matrix</u> Soil	<u>Collection Date/Time</u> February 20, 2019 12:00 am	<u>Date Received</u> 02/21/2019
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**Semi-Volatiles, PAH Target List**

**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
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	48.8	97.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/26/2019 13:13	02/27/2019 10:28	OW
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	48.8	97.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/26/2019 13:13	02/27/2019 10:28	OW
218-01-9	Chrysene	ND		ug/kg dry	48.8	97.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/26/2019 13:13	02/27/2019 10:28	OW
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	48.8	97.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/26/2019 13:13	02/27/2019 10:28	OW
206-44-0	Fluoranthene	ND		ug/kg dry	48.8	97.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/26/2019 13:13	02/27/2019 10:28	OW
86-73-7	Fluorene	ND		ug/kg dry	48.8	97.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/26/2019 13:13	02/27/2019 10:28	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	48.8	97.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/26/2019 13:13	02/27/2019 10:28	OW
91-20-3	Naphthalene	ND		ug/kg dry	48.8	97.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/26/2019 13:13	02/27/2019 10:28	OW
85-01-8	Phenanthrene	ND		ug/kg dry	48.8	97.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/26/2019 13:13	02/27/2019 10:28	OW
129-00-0	Pyrene	ND		ug/kg dry	48.8	97.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/26/2019 13:13	02/27/2019 10:28	OW
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	66.6 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	71.6 %			21-113						
1718-51-0	Surrogate: SURR: Terphenyl-d14	69.5 %			24-116						

**Lead by EPA 6010**

**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
7439-92-1	<b>Lead</b>	<b>8.17</b>		mg/kg dry	0.587	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2019 09:36	02/22/2019 19:33	KML

**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	<b>* % Solids</b>	<b>85.2</b>		%	0.100	1	SM 2540G Certifications: CTDOH	02/22/2019 09:31	02/22/2019 15:07	JTV





### Sample Information

**Client Sample ID:** SB-04 2.5

**York Sample ID:** 19B0759-03

<u>York Project (SDG) No.</u> 19B0759	<u>Client Project ID</u> AB18113	<u>Matrix</u> Soil	<u>Collection Date/Time</u> February 20, 2019 12:00 am	<u>Date Received</u> 02/21/2019
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**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	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/27/2019 07:30	02/27/2019 19:10	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/27/2019 07:30	02/27/2019 19:10	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP
123-91-1	1,4-Dioxane	ND		ug/kg dry	46	91	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP
78-93-3	<b>2-Butanone</b>	<b>2.6</b>	<b>J</b>	ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP
591-78-6	2-Hexanone	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP



### Sample Information

**Client Sample ID:** SB-04 2.5

**York Sample ID:** 19B0759-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19B0759

AB18113

Soil

February 20, 2019 12:00 am

02/21/2019

**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
67-64-1	Acetone	10		ug/kg dry	4.6	9.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP
107-02-8	Acrolein	ND		ug/kg dry	4.6	9.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP
107-13-1	Acrylonitrile	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP
71-43-2	Benzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP
74-97-5	Bromochloromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP
75-25-2	Bromoform	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP
74-83-9	Bromomethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP
75-15-0	Carbon disulfide	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP
108-90-7	Chlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP
75-00-3	Chloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP
67-66-3	Chloroform	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP
74-87-3	Chloromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP
110-82-7	Cyclohexane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP
74-95-3	Dibromomethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP





### Sample Information

**Client Sample ID:** SB-04 2.5

**York Sample ID:** 19B0759-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19B0759

AB18113

Soil

February 20, 2019 12:00 am

02/21/2019

**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
79-20-9	Methyl acetate	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP
75-09-2	Methylene chloride	ND		ug/kg dry	4.6	9.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP
95-47-6	o-Xylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.6	9.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP
100-42-5	Styrene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP
108-88-3	Toluene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP
79-01-6	Trichloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/27/2019 07:30	02/27/2019 19:10	TMP
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.8	14	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/27/2019 07:30	02/27/2019 19:10	TMP

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	114 %	77-125
2037-26-5	Surrogate: SURR: Toluene-d8	111 %	85-120
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	108 %	76-130



### Sample Information

**Client Sample ID:** SB-04 2.5

**York Sample ID:** 19B0759-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19B0759

AB18113

Soil

February 20, 2019 12:00 am

02/21/2019

**Semi-Volatiles, PAH Target List**

**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
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	49.5	98.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/26/2019 13:13	02/27/2019 11:15	OW
83-32-9	Acenaphthene	ND		ug/kg dry	49.5	98.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/26/2019 13:13	02/27/2019 11:15	OW
208-96-8	Acenaphthylene	ND		ug/kg dry	49.5	98.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/26/2019 13:13	02/27/2019 11:15	OW
120-12-7	Anthracene	ND		ug/kg dry	49.5	98.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/26/2019 13:13	02/27/2019 11:15	OW
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	49.5	98.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/26/2019 13:13	02/27/2019 11:15	OW
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	49.5	98.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/26/2019 13:13	02/27/2019 11:15	OW
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	49.5	98.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/26/2019 13:13	02/27/2019 11:15	OW
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	49.5	98.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/26/2019 13:13	02/27/2019 11:15	OW
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	49.5	98.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/26/2019 13:13	02/27/2019 11:15	OW
218-01-9	Chrysene	ND		ug/kg dry	49.5	98.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/26/2019 13:13	02/27/2019 11:15	OW
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	49.5	98.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/26/2019 13:13	02/27/2019 11:15	OW
206-44-0	Fluoranthene	ND		ug/kg dry	49.5	98.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/26/2019 13:13	02/27/2019 11:15	OW
86-73-7	Fluorene	ND		ug/kg dry	49.5	98.7	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/26/2019 13:13	02/27/2019 11:15	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	49.5	98.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/26/2019 13:13	02/27/2019 11:15	OW
91-20-3	Naphthalene	ND		ug/kg dry	49.5	98.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/26/2019 13:13	02/27/2019 11:15	OW
85-01-8	Phenanthrene	ND		ug/kg dry	49.5	98.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/26/2019 13:13	02/27/2019 11:15	OW
129-00-0	Pyrene	ND		ug/kg dry	49.5	98.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/26/2019 13:13	02/27/2019 11:15	OW
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	73.0 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	73.3 %	21-113								
1718-51-0	Surrogate: SURR: Terphenyl-d14	70.3 %	24-116								

**Lead by EPA 6010**

**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
120 RESEARCH DRIVE	STRATFORD, CT 06615									
www.YORKLAB.com	(203) 325-1371									
						132-02 89th AVENUE				
						FAX (203) 357-0166				
								RICHMOND HILL, NY 11418		
								ClientServices@		



Sample Information

Client Sample ID: SB-04 2.5

York Sample ID: 19B0759-03

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 19B0759, AB18113, Soil, February 20, 2019 12:00 am, 02/21/2019

Lead by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 7439-92-1, Lead, 40.5, mg/kg dry, 0.596, 1, EPA 6010D, 02/22/2019 09:36, 02/22/2019 19:36, KML. Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: solids, % Solids, 83.9, %, 0.100, 1, SM 2540G, 02/22/2019 09:31, 02/22/2019 15:07, JTV. Certifications: CTDOH

Sample Information

Client Sample ID: SB-06 9

York Sample ID: 19B0759-04

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 19B0759, AB18113, Soil, February 20, 2019 12:00 am, 02/21/2019

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include: 630-20-6 (1,1,1,2-Tetrachloroethane), 71-55-6 (1,1,1-Trichloroethane), 79-34-5 (1,1,2,2-Tetrachloroethane), 76-13-1 (1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)), 79-00-5 (1,1,2-Trichloroethane), 75-34-3 (1,1-Dichloroethane), 75-35-4 (1,1-Dichloroethylene), 87-61-6 (1,2,3-Trichlorobenzene), 96-18-4 (1,2,3-Trichloropropane), 120-82-1 (1,2,4-Trichlorobenzene). All results are ND.



### Sample Information

**Client Sample ID:** SB-06 9

**York Sample ID:** 19B0759-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19B0759

AB18113

Soil

February 20, 2019 12:00 am

02/21/2019

**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
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 03:58	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 03:58	TMP
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 03:58	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 03:58	TMP
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 03:58	TMP
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 03:58	TMP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 03:58	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 03:58	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 03:58	TMP
123-91-1	1,4-Dioxane	ND		ug/kg dry	47	94	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 03:58	TMP
78-93-3	<b>2-Butanone</b>	<b>7.0</b>		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 03:58	TMP
591-78-6	2-Hexanone	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 03:58	TMP
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 03:58	TMP
67-64-1	<b>Acetone</b>	<b>27</b>		ug/kg dry	4.7	9.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 03:58	TMP
107-02-8	Acrolein	ND		ug/kg dry	4.7	9.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 03:58	TMP
107-13-1	Acrylonitrile	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 03:58	TMP
71-43-2	Benzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 03:58	TMP
74-97-5	Bromochloromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 03:58	TMP
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 03:58	TMP
75-25-2	Bromoform	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 03:58	TMP
74-83-9	Bromomethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 03:58	TMP
75-15-0	Carbon disulfide	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 03:58	TMP
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 03:58	TMP



### Sample Information

**Client Sample ID:** SB-06 9

**York Sample ID:** 19B0759-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19B0759

AB18113

Soil

February 20, 2019 12:00 am

02/21/2019

**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
108-90-7	Chlorobenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 03:58	TMP
75-00-3	Chloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 03:58	TMP
67-66-3	Chloroform	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 03:58	TMP
74-87-3	Chloromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 03:58	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 03:58	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 03:58	TMP
110-82-7	Cyclohexane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 03:58	TMP
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 03:58	TMP
74-95-3	Dibromomethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 03:58	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 03:58	TMP
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 03:58	TMP
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 03:58	TMP
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 03:58	TMP
79-20-9	Methyl acetate	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 03:58	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 03:58	TMP
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 03:58	TMP
75-09-2	Methylene chloride	ND		ug/kg dry	4.7	9.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 03:58	TMP
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 03:58	TMP
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 03:58	TMP
95-47-6	o-Xylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 03:58	TMP
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.7	9.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 03:58	TMP
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 03:58	TMP
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 03:58	TMP



### Sample Information

**Client Sample ID:** SB-06 9

**York Sample ID:** 19B0759-04

<u>York Project (SDG) No.</u> 19B0759	<u>Client Project ID</u> AB18113	<u>Matrix</u> Soil	<u>Collection Date/Time</u> February 20, 2019 12:00 am	<u>Date Received</u> 02/21/2019
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**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	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 03:58	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 03:58	TMP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 03:58	TMP
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 03:58	TMP
108-88-3	Toluene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 03:58	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 03:58	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 03:58	TMP
79-01-6	Trichloroethylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 03:58	TMP
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 03:58	TMP
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 03:58	TMP
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.0	14	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/26/2019 18:20	02/27/2019 03:58	TMP
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	92.9 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	106 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	98.7 %			76-130						

**Semi-Volatiles, PAH Target List**

**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
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	47.4	94.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/26/2019 13:13	02/27/2019 12:03	OW
83-32-9	Acenaphthene	ND		ug/kg dry	47.4	94.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/26/2019 13:13	02/27/2019 12:03	OW
208-96-8	Acenaphthylene	ND		ug/kg dry	47.4	94.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/26/2019 13:13	02/27/2019 12:03	OW
120-12-7	Anthracene	ND		ug/kg dry	47.4	94.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/26/2019 13:13	02/27/2019 12:03	OW
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	47.4	94.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/26/2019 13:13	02/27/2019 12:03	OW
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	47.4	94.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/26/2019 13:13	02/27/2019 12:03	OW
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	47.4	94.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/26/2019 13:13	02/27/2019 12:03	OW





### Sample Information

**Client Sample ID:** SB-06 9

**York Sample ID:** 19B0759-04

<u>York Project (SDG) No.</u> 19B0759	<u>Client Project ID</u> AB18113	<u>Matrix</u> Soil	<u>Collection Date/Time</u> February 20, 2019 12:00 am	<u>Date Received</u> 02/21/2019
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**Semi-Volatiles, PAH Target List**

**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
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	47.4	94.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/26/2019 13:13	02/27/2019 12:03	OW
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	47.4	94.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/26/2019 13:13	02/27/2019 12:03	OW
218-01-9	Chrysene	ND		ug/kg dry	47.4	94.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/26/2019 13:13	02/27/2019 12:03	OW
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	47.4	94.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/26/2019 13:13	02/27/2019 12:03	OW
206-44-0	Fluoranthene	ND		ug/kg dry	47.4	94.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/26/2019 13:13	02/27/2019 12:03	OW
86-73-7	Fluorene	ND		ug/kg dry	47.4	94.5	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/26/2019 13:13	02/27/2019 12:03	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	47.4	94.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/26/2019 13:13	02/27/2019 12:03	OW
91-20-3	Naphthalene	ND		ug/kg dry	47.4	94.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/26/2019 13:13	02/27/2019 12:03	OW
85-01-8	Phenanthrene	ND		ug/kg dry	47.4	94.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/26/2019 13:13	02/27/2019 12:03	OW
129-00-0	Pyrene	ND		ug/kg dry	47.4	94.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/26/2019 13:13	02/27/2019 12:03	OW
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	72.6 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	71.6 %			21-113						
1718-51-0	Surrogate: SURR: Terphenyl-d14	66.2 %			24-116						

**Lead by EPA 6010**

**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
7439-92-1	Lead	3.67		mg/kg dry	0.569	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2019 09:36	02/22/2019 19:38	KML

**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	87.9		%	0.100	1	SM 2540G Certifications: CTDOH	02/22/2019 09:31	02/22/2019 15:07	JTV



### Sample Information

**Client Sample ID:** SB-02 5.5

**York Sample ID:** 19B0759-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19B0759

AB18113

Soil

February 20, 2019 12:00 am

02/21/2019

**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	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/26/2019 18:20	02/27/2019 04:31	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/26/2019 18:20	02/27/2019 04:31	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP
95-63-6	<b>1,2,4-Trimethylbenzene</b>	<b>4.6</b>	<b>J</b>	ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP
123-91-1	1,4-Dioxane	ND		ug/kg dry	49	99	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP
78-93-3	2-Butanone	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP
591-78-6	2-Hexanone	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP





## Sample Information

**Client Sample ID:** SB-02 5.5

**York Sample ID:** 19B0759-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19B0759

AB18113

Soil

February 20, 2019 12:00 am

02/21/2019

**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
67-64-1	Acetone	17		ug/kg dry	4.9	9.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP
107-02-8	Acrolein	ND		ug/kg dry	4.9	9.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP
107-13-1	Acrylonitrile	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP
71-43-2	Benzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP
74-97-5	Bromochloromethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP
75-25-2	Bromoform	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP
74-83-9	Bromomethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP
75-15-0	Carbon disulfide	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP
108-90-7	Chlorobenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP
75-00-3	Chloroethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP
67-66-3	Chloroform	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP
74-87-3	Chloromethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP
110-82-7	Cyclohexane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP
74-95-3	Dibromomethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP



### Sample Information

**Client Sample ID:** SB-02 5.5

**York Sample ID:** 19B0759-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19B0759

AB18113

Soil

February 20, 2019 12:00 am

02/21/2019

**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
79-20-9	Methyl acetate	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP
108-87-2	<b>Methylcyclohexane</b>	<b>3.4</b>	<b>J</b>	ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP
75-09-2	Methylene chloride	ND		ug/kg dry	4.9	9.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP
95-47-6	o-Xylene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.9	9.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP
100-42-5	Styrene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP
108-88-3	Toluene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP
79-01-6	Trichloroethylene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 04:31	TMP
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.4	15	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/26/2019 18:20	02/27/2019 04:31	TMP

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	94.8 %	77-125
2037-26-5	Surrogate: SURR: Toluene-d8	114 %	85-120
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	126 %	76-130



### Sample Information

**Client Sample ID:** SB-02 5.5

**York Sample ID:** 19B0759-05

<u>York Project (SDG) No.</u> 19B0759	<u>Client Project ID</u> AB18113	<u>Matrix</u> Soil	<u>Collection Date/Time</u> February 20, 2019 12:00 am	<u>Date Received</u> 02/21/2019
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**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	89.0		%	0.100	1	SM 2540G Certifications: CTDOH	02/22/2019 09:31	02/22/2019 15:07	JTV

### Sample Information

**Client Sample ID:** SB-05 11

**York Sample ID:** 19B0759-06

<u>York Project (SDG) No.</u> 19B0759	<u>Client Project ID</u> AB18113	<u>Matrix</u> Soil	<u>Collection Date/Time</u> February 20, 2019 12:00 am	<u>Date Received</u> 02/21/2019
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**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 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/26/2019 18:20	02/27/2019 05:04	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/26/2019 18:20	02/27/2019 05:04	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP



### Sample Information

**Client Sample ID:** SB-05 11

**York Sample ID:** 19B0759-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19B0759

AB18113

Soil

February 20, 2019 12:00 am

02/21/2019

**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
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP
123-91-1	1,4-Dioxane	ND		ug/kg dry	44	88	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP
78-93-3	<b>2-Butanone</b>	<b>3.0</b>	J	ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP
591-78-6	2-Hexanone	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP
67-64-1	<b>Acetone</b>	<b>11</b>		ug/kg dry	4.4	8.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP
107-02-8	Acrolein	ND		ug/kg dry	4.4	8.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP
107-13-1	Acrylonitrile	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP
71-43-2	Benzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP
74-97-5	Bromochloromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP
75-25-2	Bromoform	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP
74-83-9	Bromomethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP
75-15-0	Carbon disulfide	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP
108-90-7	Chlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP
75-00-3	Chloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP
67-66-3	Chloroform	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP
74-87-3	Chloromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP



### Sample Information

**Client Sample ID:** SB-05 11

**York Sample ID:** 19B0759-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19B0759

AB18113

Soil

February 20, 2019 12:00 am

02/21/2019

**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
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP
110-82-7	Cyclohexane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP
74-95-3	Dibromomethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP
79-20-9	Methyl acetate	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP
75-09-2	Methylene chloride	ND		ug/kg dry	4.4	8.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP
95-47-6	o-Xylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.4	8.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP
100-42-5	Styrene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP



### Sample Information

**Client Sample ID:** SB-05 11

**York Sample ID:** 19B0759-06

<u>York Project (SDG) No.</u> 19B0759	<u>Client Project ID</u> AB18113	<u>Matrix</u> Soil	<u>Collection Date/Time</u> February 20, 2019 12:00 am	<u>Date Received</u> 02/21/2019
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**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
108-88-3	Toluene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP
79-01-6	Trichloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 18:20	02/27/2019 05:04	TMP
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.6	13	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/26/2019 18:20	02/27/2019 05:04	TMP
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	88.3 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	107 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	101 %			76-130						

**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	87.0		%	0.100	1	SM 2540G Certifications: CTDOH	02/22/2019 09:31	02/22/2019 15:07	JTV

### Sample Information

**Client Sample ID:** TMW-01 20190220

**York Sample ID:** 19B0759-07

<u>York Project (SDG) No.</u> 19B0759	<u>Client Project ID</u> AB18113	<u>Matrix</u> Water	<u>Collection Date/Time</u> February 20, 2019 12:00 am	<u>Date Received</u> 02/21/2019
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**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 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP





### Sample Information

**Client Sample ID:** TMW-01 20190220

**York Sample ID:** 19B0759-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19B0759

AB18113

Water

February 20, 2019 12:00 am

02/21/2019

**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
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP
95-63-6	<b>1,2,4-Trimethylbenzene</b>	<b>1.3</b>		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP
108-67-8	<b>1,3,5-Trimethylbenzene</b>	<b>0.50</b>		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP



### Sample Information

**Client Sample ID:** TMW-01 20190220

**York Sample ID:** 19B0759-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19B0759

AB18113

Water

February 20, 2019 12:00 am

02/21/2019

**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
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP
75-15-0	<b>Carbon disulfide</b>	<b>0.26</b>	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP
110-82-7	<b>Cyclohexane</b>	<b>5.2</b>		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP
100-41-4	<b>Ethyl Benzene</b>	<b>0.35</b>	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP





### Sample Information

**Client Sample ID:** TMW-01 20190220

**York Sample ID:** 19B0759-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19B0759

AB18113

Water

February 20, 2019 12:00 am

02/21/2019

**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
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP
95-47-6	<b>o-Xylene</b>	<b>0.33</b>	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP
179601-23-1	<b>p- &amp; m- Xylenes</b>	<b>1.0</b>		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP
135-98-8	<b>sec-Butylbenzene</b>	<b>0.75</b>		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP
108-88-3	<b>Toluene</b>	<b>0.42</b>	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2019 08:35	02/27/2019 13:53	TMP
1330-20-7	<b>Xylenes, Total</b>	<b>1.3</b>	J	ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/26/2019 08:35	02/27/2019 13:53	TMP

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	117 %	69-130
2037-26-5	Surrogate: SURRE: Toluene-d8	92.0 %	81-117
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	117 %	79-122



## Analytical Batch Summary

**Batch ID:** BB91194      **Preparation Method:** % Solids Prep      **Prepared By:** JTV

YORK Sample ID	Client Sample ID	Preparation Date
19B0759-01	SB-01 1.5	02/22/19
19B0759-02	SB-03 12	02/22/19
19B0759-03	SB-04 2.5	02/22/19
19B0759-04	SB-06 9	02/22/19
19B0759-05	SB-02 5.5	02/22/19
19B0759-06	SB-05 11	02/22/19

**Batch ID:** BB91201      **Preparation Method:** EPA 3050B      **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
19B0759-01	SB-01 1.5	02/22/19
19B0759-02	SB-03 12	02/22/19
19B0759-03	SB-04 2.5	02/22/19
19B0759-04	SB-06 9	02/22/19
BB91201-BLK1	Blank	02/22/19
BB91201-SRM1	Reference	02/22/19

**Batch ID:** BB91295      **Preparation Method:** EPA 3550C      **Prepared By:** MAT

YORK Sample ID	Client Sample ID	Preparation Date
19B0759-01	SB-01 1.5	02/25/19
BB91295-BLK1	Blank	02/25/19
BB91295-BS1	LCS	02/25/19

**Batch ID:** BB91352      **Preparation Method:** EPA 3550C      **Prepared By:** MAT

YORK Sample ID	Client Sample ID	Preparation Date
19B0759-02	SB-03 12	02/26/19
19B0759-03	SB-04 2.5	02/26/19
19B0759-04	SB-06 9	02/26/19
BB91352-BLK1	Blank	02/26/19
BB91352-BS1	LCS	02/26/19

**Batch ID:** BB91377      **Preparation Method:** EPA 5035A      **Prepared By:** TMP

YORK Sample ID	Client Sample ID	Preparation Date
19B0759-02	SB-03 12	02/26/19
19B0759-04	SB-06 9	02/26/19
19B0759-05	SB-02 5.5	02/26/19
19B0759-06	SB-05 11	02/26/19
BB91377-BLK1	Blank	02/26/19
BB91377-BS1	LCS	02/26/19
BB91377-BSD1	LCS Dup	02/26/19



**Batch ID:** BB91418

**Preparation Method:** EPA 5030B

**Prepared By:** LLJ

YORK Sample ID	Client Sample ID	Preparation Date
19B0759-07	TMW-01 20190220	02/26/19
BB91418-BLK1	Blank	02/27/19
BB91418-BS1	LCS	02/27/19
BB91418-BSD1	LCS Dup	02/27/19

**Batch ID:** BB91428

**Preparation Method:** EPA 5035A

**Prepared By:** LLJ

YORK Sample ID	Client Sample ID	Preparation Date
19B0759-01	SB-01 1.5	02/27/19
19B0759-03	SB-04 2.5	02/27/19
BB91428-BLK1	Blank	02/27/19
BB91428-BLK2	Blank	02/27/19
BB91428-BS1	LCS	02/27/19
BB91428-BSD1	LCS Dup	02/27/19



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BB91377 - EPA 5035A**

**Blank (BB91377-BLK1)**

Prepared: 02/26/2019 Analyzed: 02/27/2019

1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2-Butanone	ND	5.0	"								
2-Hexanone	ND	5.0	"								
4-Methyl-2-pentanone	ND	5.0	"								
Acetone	ND	10	"								
Acrolein	ND	10	"								
Acrylonitrile	ND	5.0	"								
Benzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon disulfide	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Cyclohexane	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl acetate	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylcyclohexane	ND	5.0	"								
Methylene chloride	ND	10	"								



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

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

**Batch BB91377 - EPA 5035A**

**Blank (BB91377-BLK1)**

Prepared: 02/26/2019 Analyzed: 02/27/2019

n-Butylbenzene	ND	5.0	ug/kg wet								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butyl alcohol (TBA)	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
<i>Surrogate: SURRE: 1,2-Dichloroethane-d4</i>	45.8		ug/L	50.0		91.6		77-125			
<i>Surrogate: SURRE: Toluene-d8</i>	53.2		"	50.0		106		85-120			
<i>Surrogate: SURRE: p-Bromofluorobenzene</i>	50.5		"	50.0		101		76-130			

**LCS (BB91377-BS1)**

Prepared: 02/26/2019 Analyzed: 02/27/2019

1,1,1,2-Tetrachloroethane	49		ug/L	50.0		98.0		75-129			
1,1,1-Trichloroethane	44		"	50.0		87.5		71-137			
1,1,2,2-Tetrachloroethane	51		"	50.0		102		79-129			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	44		"	50.0		87.9		58-146			
1,1,2-Trichloroethane	45		"	50.0		89.8		83-123			
1,1-Dichloroethane	41		"	50.0		82.3		75-130			
1,1-Dichloroethylene	38		"	50.0		76.6		64-137			
1,2,3-Trichlorobenzene	49		"	50.0		97.8		81-140			
1,2,3-Trichloropropane	53		"	50.0		106		81-126			
1,2,4-Trichlorobenzene	51		"	50.0		102		80-141			
1,2,4-Trimethylbenzene	49		"	50.0		98.9		84-125			
1,2-Dibromo-3-chloropropane	52		"	50.0		103		74-142			
1,2-Dibromoethane	48		"	50.0		96.3		86-123			
1,2-Dichlorobenzene	47		"	50.0		94.3		85-122			
1,2-Dichloroethane	38		"	50.0		76.7		71-133			
1,2-Dichloropropane	46		"	50.0		92.8		81-122			
1,3,5-Trimethylbenzene	55		"	50.0		109		82-126			
1,3-Dichlorobenzene	49		"	50.0		99.0		84-124			
1,4-Dichlorobenzene	50		"	50.0		99.7		84-124			
1,4-Dioxane	830		"	1050		79.4		10-228			
2-Butanone	36		"	50.0		72.7		58-147			
2-Hexanone	45		"	50.0		89.7		70-139			
4-Methyl-2-pentanone	46		"	50.0		91.5		72-132			
Acetone	28		"	50.0		56.5		36-155			
Acrolein	53		"	50.0		106		10-238			
Acrylonitrile	49		"	50.0		98.1		66-141			
Benzene	45		"	50.0		89.4		77-127			
Bromochloromethane	39		"	50.0		79.0		74-129			
Bromodichloromethane	46		"	50.0		91.4		81-124			



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

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

**Batch BB91377 - EPA 5035A**

**LCS (BB91377-BS1)**

Prepared: 02/26/2019 Analyzed: 02/27/2019

Bromoform	49		ug/L	50.0		97.5	80-136				
Bromomethane	36		"	50.0		71.6	32-177				
Carbon disulfide	44		"	50.0		87.5	10-136				
Carbon tetrachloride	43		"	50.0		86.1	66-143				
Chlorobenzene	47		"	50.0		94.0	86-120				
Chloroethane	39		"	50.0		77.0	51-142				
Chloroform	43		"	50.0		85.6	76-131				
Chloromethane	38		"	50.0		75.8	49-132				
cis-1,2-Dichloroethylene	40		"	50.0		80.9	74-132				
cis-1,3-Dichloropropylene	45		"	50.0		90.0	81-129				
Cyclohexane	41		"	50.0		82.4	70-130				
Dibromochloromethane	48		"	50.0		96.5	10-200				
Dibromomethane	43		"	50.0		86.2	83-124				
Dichlorodifluoromethane	25		"	50.0		49.3	28-158				
Ethyl Benzene	48		"	50.0		96.8	84-125				
Hexachlorobutadiene	53		"	50.0		106	83-133				
Isopropylbenzene	50		"	50.0		99.4	81-127				
Methyl acetate	42		"	50.0		85.0	41-143				
Methyl tert-butyl ether (MTBE)	40		"	50.0		79.9	74-131				
Methylcyclohexane	49		"	50.0		97.5	70-130				
Methylene chloride	45		"	50.0		89.2	57-141				
n-Butylbenzene	51		"	50.0		103	80-130				
n-Propylbenzene	49		"	50.0		98.4	74-136				
o-Xylene	47		"	50.0		94.9	83-123				
p- & m- Xylenes	95		"	100		95.5	82-128				
p-Isopropyltoluene	52		"	50.0		105	85-125				
sec-Butylbenzene	53		"	50.0		106	83-125				
Styrene	48		"	50.0		96.8	86-126				
tert-Butyl alcohol (TBA)	190		"	250		77.4	70-130				
tert-Butylbenzene	50		"	50.0		99.2	80-127				
Tetrachloroethylene	48		"	50.0		96.2	80-129				
Toluene	49		"	50.0		98.7	85-121				
trans-1,2-Dichloroethylene	40		"	50.0		79.5	72-132				
trans-1,3-Dichloropropylene	42		"	50.0		83.8	78-132				
Trichloroethylene	46		"	50.0		92.8	84-123				
Trichlorofluoromethane	40		"	50.0		80.3	62-140				
Vinyl Chloride	36		"	50.0		72.9	52-130				
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>45.3</i>		<i>"</i>	<i>50.0</i>		<i>90.6</i>	<i>77-125</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>53.3</i>		<i>"</i>	<i>50.0</i>		<i>107</i>	<i>85-120</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>48.1</i>		<i>"</i>	<i>50.0</i>		<i>96.3</i>	<i>76-130</i>				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting		Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	
		Limit	Units						RPD	Limit
<b>Batch BB91377 - EPA 5035A</b>										
<b>LCS Dup (BB91377-BSD1)</b>										
Prepared: 02/26/2019 Analyzed: 02/27/2019										
1,1,1,2-Tetrachloroethane	52		ug/L	50.0		104	75-129		6.02	30
1,1,1-Trichloroethane	47		"	50.0		93.2	71-137		6.38	30
1,1,2,2-Tetrachloroethane	55		"	50.0		111	79-129		8.18	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	46		"	50.0		92.8	58-146		5.40	30
1,1,2-Trichloroethane	48		"	50.0		95.1	83-123		5.67	30
1,1-Dichloroethane	44		"	50.0		87.1	75-130		5.65	30
1,1-Dichloroethylene	40		"	50.0		80.8	64-137		5.36	30
1,2,3-Trichlorobenzene	51		"	50.0		103	81-140		4.77	30
1,2,3-Trichloropropane	56		"	50.0		112	81-126		5.65	30
1,2,4-Trichlorobenzene	54		"	50.0		108	80-141		6.24	30
1,2,4-Trimethylbenzene	52		"	50.0		104	84-125		4.97	30
1,2-Dibromo-3-chloropropane	54		"	50.0		107	74-142		3.69	30
1,2-Dibromoethane	49		"	50.0		98.8	86-123		2.54	30
1,2-Dichlorobenzene	50		"	50.0		99.4	85-122		5.35	30
1,2-Dichloroethane	38		"	50.0		76.8	71-133		0.0782	30
1,2-Dichloropropane	47		"	50.0		94.9	81-122		2.30	30
1,3,5-Trimethylbenzene	59		"	50.0		117	82-126		6.86	30
1,3-Dichlorobenzene	54		"	50.0		107	84-124		8.07	30
1,4-Dichlorobenzene	52		"	50.0		104	84-124		4.30	30
1,4-Dioxane	900		"	1050		85.8	10-228		7.74	30
2-Butanone	43		"	50.0		85.0	58-147		15.6	30
2-Hexanone	49		"	50.0		97.9	70-139		8.72	30
4-Methyl-2-pentanone	51		"	50.0		102	72-132		10.9	30
Acetone	31		"	50.0		61.5	36-155		8.47	30
Acrolein	58		"	50.0		117	10-238		9.87	30
Acrylonitrile	54		"	50.0		108	66-141		10.0	30
Benzene	47		"	50.0		93.8	77-127		4.78	30
Bromochloromethane	42		"	50.0		84.0	74-129		6.18	30
Bromodichloromethane	49		"	50.0		97.6	81-124		6.58	30
Bromoform	50		"	50.0		99.7	80-136		2.19	30
Bromomethane	39		"	50.0		77.0	32-177		7.27	30
Carbon disulfide	46		"	50.0		91.2	10-136		4.12	30
Carbon tetrachloride	46		"	50.0		91.7	66-143		6.32	30
Chlorobenzene	50		"	50.0		100	86-120		6.39	30
Chloroethane	39		"	50.0		78.9	51-142		2.39	30
Chloroform	45		"	50.0		89.1	76-131		3.99	30
Chloromethane	40		"	50.0		79.6	49-132		4.84	30
cis-1,2-Dichloroethylene	43		"	50.0		85.2	74-132		5.25	30
cis-1,3-Dichloropropylene	47		"	50.0		94.0	81-129		4.37	30
Cyclohexane	44		"	50.0		88.2	70-130		6.71	30
Dibromochloromethane	52		"	50.0		103	10-200		6.61	30
Dibromomethane	47		"	50.0		93.5	83-124		8.08	30
Dichlorodifluoromethane	26		"	50.0		52.9	28-158		7.08	30
Ethyl Benzene	51		"	50.0		102	84-125		5.21	30
Hexachlorobutadiene	59		"	50.0		119	83-133		11.1	30
Isopropylbenzene	54		"	50.0		108	81-127		8.70	30
Methyl acetate	44		"	50.0		88.0	41-143		3.47	30
Methyl tert-butyl ether (MTBE)	42		"	50.0		83.7	74-131		4.60	30
Methylcyclohexane	52		"	50.0		104	70-130		6.76	30
Methylene chloride	46		"	50.0		92.7	57-141		3.83	30
n-Butylbenzene	61		"	50.0		122	80-130		16.8	30



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

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

**Batch BB91377 - EPA 5035A**

**LCS Dup (BB91377-BSD1)**

Prepared: 02/26/2019 Analyzed: 02/27/2019

n-Propylbenzene	54		ug/L	50.0		109	74-136			10.2	30
o-Xylene	50		"	50.0		101	83-123			6.01	30
p- & m- Xylenes	100		"	100		100	82-128			4.70	30
p-Isopropyltoluene	56		"	50.0		113	85-125			7.16	30
sec-Butylbenzene	58		"	50.0		116	83-125			9.05	30
Styrene	51		"	50.0		102	86-126			5.02	30
tert-Butyl alcohol (TBA)	220		"	250		86.7	70-130			11.4	30
tert-Butylbenzene	55		"	50.0		110	80-127			10.2	30
Tetrachloroethylene	50		"	50.0		100	80-129			4.03	30
Toluene	51		"	50.0		103	85-121			3.84	30
trans-1,2-Dichloroethylene	42		"	50.0		83.3	72-132			4.69	30
trans-1,3-Dichloropropylene	44		"	50.0		88.7	78-132			5.63	30
Trichloroethylene	50		"	50.0		99.3	84-123			6.77	30
Trichlorofluoromethane	42		"	50.0		84.2	62-140			4.64	30
Vinyl Chloride	39		"	50.0		78.0	52-130			6.76	30
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>44.7</i>		<i>"</i>	<i>50.0</i>		<i>89.3</i>	<i>77-125</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>53.3</i>		<i>"</i>	<i>50.0</i>		<i>107</i>	<i>85-120</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>49.4</i>		<i>"</i>	<i>50.0</i>		<i>98.7</i>	<i>76-130</i>				

**Batch BB91418 - EPA 5030B**

**Blank (BB91418-BLK1)**

Prepared & Analyzed: 02/27/2019

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								





**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

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

**Batch BB91418 - EPA 5030B**

**Blank (BB91418-BLK1)**

Prepared & Analyzed: 02/27/2019

Bromoform	ND	0.50	ug/L										
Bromomethane	ND	0.50	"										
Carbon disulfide	ND	0.50	"										
Carbon tetrachloride	ND	0.50	"										
Chlorobenzene	ND	0.50	"										
Chloroethane	ND	0.50	"										
Chloroform	ND	0.50	"										
Chloromethane	ND	0.50	"										
cis-1,2-Dichloroethylene	ND	0.50	"										
cis-1,3-Dichloropropylene	ND	0.50	"										
Cyclohexane	ND	0.50	"										
Dibromochloromethane	ND	0.50	"										
Dibromomethane	ND	0.50	"										
Dichlorodifluoromethane	ND	0.50	"										
Ethyl Benzene	ND	0.50	"										
Hexachlorobutadiene	ND	0.50	"										
Isopropylbenzene	ND	0.50	"										
Methyl acetate	ND	0.50	"										
Methyl tert-butyl ether (MTBE)	ND	0.50	"										
Methylcyclohexane	ND	0.50	"										
Methylene chloride	ND	2.0	"										
n-Butylbenzene	ND	0.50	"										
n-Propylbenzene	ND	0.50	"										
o-Xylene	ND	0.50	"										
p- & m- Xylenes	ND	1.0	"										
p-Isopropyltoluene	ND	0.50	"										
sec-Butylbenzene	ND	0.50	"										
Styrene	ND	0.50	"										
tert-Butyl alcohol (TBA)	ND	1.0	"										
tert-Butylbenzene	ND	0.50	"										
Tetrachloroethylene	ND	0.50	"										
Toluene	ND	0.50	"										
trans-1,2-Dichloroethylene	ND	0.50	"										
trans-1,3-Dichloropropylene	ND	0.50	"										
Trichloroethylene	ND	0.50	"										
Trichlorofluoromethane	ND	0.50	"										
Vinyl Chloride	ND	0.50	"										
Xylenes, Total	ND	1.5	"										

<i>Surrogate: SURRE: 1,2-Dichloroethane-d4</i>	11.8		"	10.0		118	69-130						
<i>Surrogate: SURRE: Toluene-d8</i>	8.96		"	10.0		89.6	81-117						
<i>Surrogate: SURRE: p-Bromofluorobenzene</i>	9.57		"	10.0		95.7	79-122						



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting		Spike Level	Source*		%REC Limits	Flag	RPD	
		Limit	Units		Result	%REC			RPD	Limit
<b>Batch BB91418 - EPA 5030B</b>										
<b>LCS (BB91418-BS1)</b>										
Prepared & Analyzed: 02/27/2019										
1,1,1,2-Tetrachloroethane	9.7		ug/L	10.0		97.4	82-126			
1,1,1-Trichloroethane	13		"	10.0		131	78-136			
1,1,2,2-Tetrachloroethane	8.2		"	10.0		81.5	76-129			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12		"	10.0		120	54-165			
1,1,2-Trichloroethane	8.4		"	10.0		83.6	82-123			
1,1-Dichloroethane	9.8		"	10.0		98.0	82-129			
1,1-Dichloroethylene	9.6		"	10.0		95.5	68-138			
1,2,3-Trichlorobenzene	8.6		"	10.0		86.5	76-136			
1,2,3-Trichloropropane	10		"	10.0		102	77-128			
1,2,4-Trichlorobenzene	8.8		"	10.0		87.8	76-137			
1,2,4-Trimethylbenzene	9.8		"	10.0		97.9	82-132			
1,2-Dibromo-3-chloropropane	7.6		"	10.0		76.2	45-147			
1,2-Dibromoethane	9.2		"	10.0		91.6	83-124			
1,2-Dichlorobenzene	9.8		"	10.0		97.5	79-123			
1,2-Dichloroethane	11		"	10.0		115	73-132			
1,2-Dichloropropane	7.0		"	10.0		69.7	78-126	Low Bias		
1,3,5-Trimethylbenzene	10		"	10.0		102	80-131			
1,3-Dichlorobenzene	10		"	10.0		99.9	86-122			
1,4-Dichlorobenzene	9.9		"	10.0		99.4	85-124			
1,4-Dioxane	120		"	210		58.8	10-349			
2-Butanone	11		"	10.0		108	49-152			
2-Hexanone	6.7		"	10.0		67.0	51-146			
4-Methyl-2-pentanone	6.4		"	10.0		63.7	57-145			
Acetone	8.9		"	10.0		89.4	14-150			
Acrolein	10		"	10.0		105	10-153			
Acrylonitrile	9.0		"	10.0		90.1	51-150			
Benzene	11		"	10.0		106	85-126			
Bromochloromethane	8.3		"	10.0		83.4	77-128			
Bromodichloromethane	8.4		"	10.0		84.3	79-128			
Bromoform	9.0		"	10.0		90.0	78-133			
Bromomethane	6.3		"	10.0		63.0	43-168			
Carbon disulfide	9.6		"	10.0		95.5	68-146			
Carbon tetrachloride	13		"	10.0		129	77-141			
Chlorobenzene	9.5		"	10.0		95.3	88-120			
Chloroethane	8.6		"	10.0		85.7	65-136			
Chloroform	11		"	10.0		114	82-128			
Chloromethane	6.6		"	10.0		65.5	43-155			
cis-1,2-Dichloroethylene	10		"	10.0		100	83-129			
cis-1,3-Dichloropropylene	7.9		"	10.0		78.7	80-131	Low Bias		
Cyclohexane	8.9		"	10.0		88.6	63-149			
Dibromochloromethane	9.4		"	10.0		94.4	80-130			
Dibromomethane	8.3		"	10.0		82.6	72-134			
Dichlorodifluoromethane	6.4		"	10.0		63.7	44-144			
Ethyl Benzene	9.4		"	10.0		94.0	80-131			
Hexachlorobutadiene	9.1		"	10.0		91.2	67-146			
Isopropylbenzene	10		"	10.0		102	76-140			
Methyl acetate	8.0		"	10.0		79.8	51-139			
Methyl tert-butyl ether (MTBE)	10		"	10.0		104	76-135			
Methylcyclohexane	8.4		"	10.0		83.7	72-143			
Methylene chloride	10		"	10.0		101	55-137			
n-Butylbenzene	8.8		"	10.0		88.0	79-132			



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB91418 - EPA 5030B

LCS (BB91418-BS1)

Prepared & Analyzed: 02/27/2019

n-Propylbenzene	9.4		ug/L	10.0		93.9	78-133				
o-Xylene	9.5		"	10.0		95.4	78-130				
p- & m- Xylenes	19		"	20.0		96.0	77-133				
p-Isopropyltoluene	10		"	10.0		100	81-136				
sec-Butylbenzene	9.8		"	10.0		97.9	79-137				
Styrene	9.5		"	10.0		95.2	67-132				
tert-Butyl alcohol (TBA)	44		"	50.0		87.8	25-162				
tert-Butylbenzene	10		"	10.0		102	77-138				
Tetrachloroethylene	9.1		"	10.0		91.3	82-131				
Toluene	9.0		"	10.0		89.8	80-127				
trans-1,2-Dichloroethylene	9.5		"	10.0		94.7	80-132				
trans-1,3-Dichloropropylene	8.0		"	10.0		79.6	78-131				
Trichloroethylene	8.6		"	10.0		86.3	82-128				
Trichlorofluoromethane	9.9		"	10.0		98.8	67-139				
Vinyl Chloride	6.4		"	10.0		64.2	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	11.2		"	10.0		112	69-130				
Surrogate: SURR: Toluene-d8	9.08		"	10.0		90.8	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.4		"	10.0		104	79-122				

LCS Dup (BB91418-BSD1)

Prepared & Analyzed: 02/27/2019

1,1,1,2-Tetrachloroethane	9.8		ug/L	10.0		97.6	82-126		0.205	30	
1,1,1-Trichloroethane	13		"	10.0		126	78-136		4.52	30	
1,1,2,2-Tetrachloroethane	8.2		"	10.0		82.3	76-129		0.977	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		112	54-165		7.22	30	
1,1,2-Trichloroethane	8.4		"	10.0		84.4	82-123		0.952	30	
1,1-Dichloroethane	9.2		"	10.0		92.4	82-129		5.88	30	
1,1-Dichloroethylene	8.5		"	10.0		84.8	68-138		11.9	30	
1,2,3-Trichlorobenzene	9.5		"	10.0		94.7	76-136		9.05	30	
1,2,3-Trichloropropane	10		"	10.0		99.5	77-128		2.68	30	
1,2,4-Trichlorobenzene	8.8		"	10.0		87.8	76-137		0.00	30	
1,2,4-Trimethylbenzene	9.0		"	10.0		89.5	82-132		8.96	30	
1,2-Dibromo-3-chloropropane	8.0		"	10.0		79.8	45-147		4.62	30	
1,2-Dibromoethane	9.4		"	10.0		94.0	83-124		2.59	30	
1,2-Dichlorobenzene	9.2		"	10.0		92.2	79-123		5.59	30	
1,2-Dichloroethane	11		"	10.0		110	73-132		4.00	30	
1,2-Dichloropropane	6.6		"	10.0		66.0	78-126	Low Bias	5.45	30	
1,3,5-Trimethylbenzene	9.2		"	10.0		92.2	80-131		10.6	30	
1,3-Dichlorobenzene	9.4		"	10.0		93.8	86-122		6.30	30	
1,4-Dichlorobenzene	9.2		"	10.0		91.7	85-124		8.06	30	
1,4-Dioxane	140		"	210		64.6	10-349		9.39	30	
2-Butanone	9.6		"	10.0		95.6	49-152		11.9	30	
2-Hexanone	7.1		"	10.0		70.8	51-146		5.52	30	
4-Methyl-2-pentanone	7.1		"	10.0		71.3	57-145		11.3	30	
Acetone	9.2		"	10.0		92.0	14-150		2.87	30	
Acrolein	10		"	10.0		102	10-153		2.91	30	
Acrylonitrile	9.3		"	10.0		93.0	51-150		3.17	30	
Benzene	10		"	10.0		103	85-126		2.88	30	
Bromochloromethane	8.2		"	10.0		82.0	77-128		1.69	30	
Bromodichloromethane	8.3		"	10.0		82.9	79-128		1.67	30	
Bromoform	9.6		"	10.0		95.9	78-133		6.35	30	
Bromomethane	5.5		"	10.0		54.8	43-168		13.9	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB91418 - EPA 5030B

LCS Dup (BB91418-BSD1)

Prepared & Analyzed: 02/27/2019

Carbon disulfide	8.9		ug/L	10.0		89.2	68-146		6.82	30	
Carbon tetrachloride	12		"	10.0		119	77-141		8.08	30	
Chlorobenzene	9.2		"	10.0		92.0	88-120		3.52	30	
Chloroethane	7.9		"	10.0		78.8	65-136		8.39	30	
Chloroform	11		"	10.0		111	82-128		2.13	30	
Chloromethane	5.9		"	10.0		58.7	43-155		11.0	30	
cis-1,2-Dichloroethylene	9.5		"	10.0		95.3	83-129		4.91	30	
cis-1,3-Dichloropropylene	7.5		"	10.0		75.3	80-131	Low Bias	4.42	30	
Cyclohexane	8.8		"	10.0		88.2	63-149		0.452	30	
Dibromochloromethane	9.5		"	10.0		95.3	80-130		0.949	30	
Dibromomethane	8.2		"	10.0		82.0	72-134		0.729	30	
Dichlorodifluoromethane	5.9		"	10.0		58.7	44-144		8.17	30	
Ethyl Benzene	9.1		"	10.0		91.0	80-131		3.24	30	
Hexachlorobutadiene	9.6		"	10.0		95.6	67-146		4.71	30	
Isopropylbenzene	9.1		"	10.0		90.8	76-140		11.7	30	
Methyl acetate	8.2		"	10.0		81.7	51-139		2.35	30	
Methyl tert-butyl ether (MTBE)	11		"	10.0		110	76-135		5.81	30	
Methylcyclohexane	7.9		"	10.0		79.3	72-143		5.40	30	
Methylene chloride	9.8		"	10.0		98.3	55-137		2.91	30	
n-Butylbenzene	8.4		"	10.0		83.7	79-132		5.01	30	
n-Propylbenzene	8.5		"	10.0		85.2	78-133		9.72	30	
o-Xylene	9.2		"	10.0		92.0	78-130		3.63	30	
p- & m- Xylenes	18		"	20.0		92.5	77-133		3.71	30	
p-Isopropyltoluene	9.2		"	10.0		92.5	81-136		8.09	30	
sec-Butylbenzene	9.0		"	10.0		90.2	79-137		8.19	30	
Styrene	9.3		"	10.0		92.6	67-132		2.77	30	
tert-Butyl alcohol (TBA)	50		"	50.0		99.9	25-162		12.8	30	
tert-Butylbenzene	9.3		"	10.0		92.8	77-138		9.54	30	
Tetrachloroethylene	8.5		"	10.0		84.7	82-131		7.50	30	
Toluene	8.5		"	10.0		84.8	80-127		5.73	30	
trans-1,2-Dichloroethylene	8.9		"	10.0		89.3	80-132		5.87	30	
trans-1,3-Dichloropropylene	8.0		"	10.0		79.8	78-131		0.251	30	
Trichloroethylene	8.1		"	10.0		80.8	82-128	Low Bias	6.58	30	
Trichlorofluoromethane	9.1		"	10.0		90.9	67-139		8.33	30	
Vinyl Chloride	5.7		"	10.0		56.7	58-145	Low Bias	12.4	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	12.2		"	10.0		122	69-130				
Surrogate: SURR: Toluene-d8	8.94		"	10.0		89.4	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.98		"	10.0		99.8	79-122				



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

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

**Batch BB91428 - EPA 5035A**

**Blank (BB91428-BLK1)**

Prepared & Analyzed: 02/27/2019

1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet									
1,1,1-Trichloroethane	ND	5.0	"									
1,1,2,2-Tetrachloroethane	ND	5.0	"									
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"									
1,1,2-Trichloroethane	ND	5.0	"									
1,1-Dichloroethane	ND	5.0	"									
1,1-Dichloroethylene	ND	5.0	"									
1,2,3-Trichlorobenzene	ND	5.0	"									
1,2,3-Trichloropropane	ND	5.0	"									
1,2,4-Trichlorobenzene	ND	5.0	"									
1,2,4-Trimethylbenzene	ND	5.0	"									
1,2-Dibromo-3-chloropropane	ND	5.0	"									
1,2-Dibromoethane	ND	5.0	"									
1,2-Dichlorobenzene	ND	5.0	"									
1,2-Dichloroethane	ND	5.0	"									
1,2-Dichloropropane	ND	5.0	"									
1,3,5-Trimethylbenzene	ND	5.0	"									
1,3-Dichlorobenzene	ND	5.0	"									
1,4-Dichlorobenzene	ND	5.0	"									
1,4-Dioxane	ND	100	"									
2-Butanone	ND	5.0	"									
2-Hexanone	ND	5.0	"									
4-Methyl-2-pentanone	ND	5.0	"									
Acetone	ND	10	"									
Acrolein	ND	10	"									
Acrylonitrile	ND	5.0	"									
Benzene	ND	5.0	"									
Bromochloromethane	ND	5.0	"									
Bromodichloromethane	ND	5.0	"									
Bromoform	ND	5.0	"									
Bromomethane	ND	5.0	"									
Carbon disulfide	ND	5.0	"									
Carbon tetrachloride	ND	5.0	"									
Chlorobenzene	ND	5.0	"									
Chloroethane	ND	5.0	"									
Chloroform	ND	5.0	"									
Chloromethane	ND	5.0	"									
cis-1,2-Dichloroethylene	ND	5.0	"									
cis-1,3-Dichloropropylene	ND	5.0	"									
Cyclohexane	ND	5.0	"									
Dibromochloromethane	ND	5.0	"									
Dibromomethane	ND	5.0	"									
Dichlorodifluoromethane	ND	5.0	"									
Ethyl Benzene	ND	5.0	"									
Hexachlorobutadiene	ND	5.0	"									
Isopropylbenzene	ND	5.0	"									
Methyl acetate	ND	5.0	"									
Methyl tert-butyl ether (MTBE)	ND	5.0	"									
Methylcyclohexane	ND	5.0	"									
Methylene chloride	ND	10	"									
n-Butylbenzene	ND	5.0	"									



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

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

**Batch BB91428 - EPA 5035A**

**Blank (BB91428-BLK1)**

Prepared & Analyzed: 02/27/2019

n-Propylbenzene	ND	5.0	ug/kg wet								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butyl alcohol (TBA)	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								

<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	55.6		ug/L	50.0		111	77-125				
<i>Surrogate: SURR: Toluene-d8</i>	57.4		"	50.0		115	85-120				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	53.5		"	50.0		107	76-130				

**Blank (BB91428-BLK2)**

Prepared & Analyzed: 02/27/2019

1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2-Butanone	ND	5.0	"								
2-Hexanone	ND	5.0	"								
4-Methyl-2-pentanone	ND	5.0	"								
Acetone	ND	10	"								
Acrolein	ND	10	"								
Acrylonitrile	ND	5.0	"								
Benzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB91428 - EPA 5035A

Blank (BB91428-BLK2)

Prepared & Analyzed: 02/27/2019

Bromomethane	ND	5.0	ug/kg wet								
Carbon disulfide	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Cyclohexane	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl acetate	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylcyclohexane	ND	5.0	"								
Methylene chloride	ND	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butyl alcohol (TBA)	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Surrogate: SURRE: 1,2-Dichloroethane-d4	53.1		ug/L	50.0		106	77-125				
Surrogate: SURRE: Toluene-d8	55.8		"	50.0		112	85-120				
Surrogate: SURRE: p-Bromofluorobenzene	52.7		"	50.0		105	76-130				



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

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

**Batch BB91428 - EPA 5035A**

**LCS (BB91428-BS1)**

Prepared & Analyzed: 02/27/2019

1,1,1,2-Tetrachloroethane	51		ug/L	50.0		102	75-129			
1,1,1-Trichloroethane	47		"	50.0		94.9	71-137			
1,1,2,2-Tetrachloroethane	61		"	50.0		122	79-129			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	43		"	50.0		86.6	58-146			
1,1,2-Trichloroethane	51		"	50.0		102	83-123			
1,1-Dichloroethane	43		"	50.0		85.8	75-130			
1,1-Dichloroethylene	40		"	50.0		80.4	64-137			
1,2,3-Trichlorobenzene	54		"	50.0		107	81-140			
1,2,3-Trichloropropane	61		"	50.0		122	81-126			
1,2,4-Trichlorobenzene	54		"	50.0		107	80-141			
1,2,4-Trimethylbenzene	58		"	50.0		116	84-125			
1,2-Dibromo-3-chloropropane	62		"	50.0		124	74-142			
1,2-Dibromoethane	53		"	50.0		106	86-123			
1,2-Dichlorobenzene	55		"	50.0		110	85-122			
1,2-Dichloroethane	45		"	50.0		89.2	71-133			
1,2-Dichloropropane	52		"	50.0		104	81-122			
1,3,5-Trimethylbenzene	63		"	50.0		126	82-126			
1,3-Dichlorobenzene	54		"	50.0		108	84-124			
1,4-Dichlorobenzene	54		"	50.0		109	84-124			
1,4-Dioxane	620		"	1050		59.1	10-228			
2-Butanone	39		"	50.0		77.3	58-147			
2-Hexanone	51		"	50.0		103	70-139			
4-Methyl-2-pentanone	51		"	50.0		102	72-132			
Acetone	32		"	50.0		64.5	36-155			
Acrolein	43		"	50.0		86.9	10-238			
Acrylonitrile	42		"	50.0		83.3	66-141			
Benzene	42		"	50.0		85.0	77-127			
Bromochloromethane	44		"	50.0		87.9	74-129			
Bromodichloromethane	55		"	50.0		110	81-124			
Bromoform	55		"	50.0		109	80-136			
Bromomethane	38		"	50.0		76.8	32-177			
Carbon disulfide	40		"	50.0		80.3	10-136			
Carbon tetrachloride	44		"	50.0		87.4	66-143			
Chlorobenzene	50		"	50.0		100	86-120			
Chloroethane	37		"	50.0		74.4	51-142			
Chloroform	44		"	50.0		88.8	76-131			
Chloromethane	31		"	50.0		62.2	49-132			
cis-1,2-Dichloroethylene	41		"	50.0		82.2	74-132			
cis-1,3-Dichloropropylene	53		"	50.0		106	81-129			
Cyclohexane	42		"	50.0		83.6	70-130			
Dibromochloromethane	52		"	50.0		104	10-200			
Dibromomethane	53		"	50.0		105	83-124			
Dichlorodifluoromethane	21		"	50.0		41.6	28-158			
Ethyl Benzene	54		"	50.0		108	84-125			
Hexachlorobutadiene	55		"	50.0		110	83-133			
Isopropylbenzene	58		"	50.0		116	81-127			
Methyl acetate	34		"	50.0		67.9	41-143			
Methyl tert-butyl ether (MTBE)	43		"	50.0		86.5	74-131			
Methylcyclohexane	50		"	50.0		101	70-130			
Methylene chloride	45		"	50.0		90.2	57-141			
n-Butylbenzene	56		"	50.0		112	80-130			





Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BB91428 - EPA 5035A

LCS (BB91428-BS1)

Prepared & Analyzed: 02/27/2019

n-Propylbenzene	60		ug/L	50.0		120	74-136			
o-Xylene	53		"	50.0		106	83-123			
p- & m- Xylenes	110		"	100		107	82-128			
p-Isopropyltoluene	58		"	50.0		115	85-125			
sec-Butylbenzene	60		"	50.0		119	83-125			
Styrene	52		"	50.0		103	86-126			
tert-Butyl alcohol (TBA)	210		"	250		82.4	70-130			
tert-Butylbenzene	55		"	50.0		111	80-127			
Tetrachloroethylene	46		"	50.0		91.4	80-129			
Toluene	52		"	50.0		105	85-121			
trans-1,2-Dichloroethylene	41		"	50.0		82.2	72-132			
trans-1,3-Dichloropropylene	53		"	50.0		107	78-132			
Trichloroethylene	53		"	50.0		106	84-123			
Trichlorofluoromethane	41		"	50.0		82.5	62-140			
Vinyl Chloride	32		"	50.0		64.6	52-130			
Surrogate: SURR: 1,2-Dichloroethane-d4	53.7		"	50.0		107	77-125			
Surrogate: SURR: Toluene-d8	57.5		"	50.0		115	85-120			
Surrogate: SURR: p-Bromofluorobenzene	51.8		"	50.0		104	76-130			

LCS Dup (BB91428-BSD1)

Prepared & Analyzed: 02/27/2019

1,1,1,2-Tetrachloroethane	48		ug/L	50.0		96.0	75-129		5.69	30
1,1,1-Trichloroethane	45		"	50.0		90.0	71-137		5.30	30
1,1,2,2-Tetrachloroethane	58		"	50.0		116	79-129		4.73	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	41		"	50.0		82.3	58-146		5.19	30
1,1,2-Trichloroethane	50		"	50.0		99.2	83-123		2.86	30
1,1-Dichloroethane	40		"	50.0		80.8	75-130		5.98	30
1,1-Dichloroethylene	38		"	50.0		76.6	64-137		4.87	30
1,2,3-Trichlorobenzene	51		"	50.0		102	81-140		4.86	30
1,2,3-Trichloropropane	59		"	50.0		118	81-126		2.72	30
1,2,4-Trichlorobenzene	51		"	50.0		103	80-141		4.29	30
1,2,4-Trimethylbenzene	56		"	50.0		113	84-125		2.94	30
1,2-Dibromo-3-chloropropane	58		"	50.0		116	74-142		7.35	30
1,2-Dibromoethane	51		"	50.0		102	86-123		4.45	30
1,2-Dichlorobenzene	53		"	50.0		105	85-122		4.19	30
1,2-Dichloroethane	42		"	50.0		83.9	71-133		6.10	30
1,2-Dichloropropane	50		"	50.0		101	81-122		2.76	30
1,3,5-Trimethylbenzene	61		"	50.0		122	82-126		3.87	30
1,3-Dichlorobenzene	51		"	50.0		103	84-124		5.26	30
1,4-Dichlorobenzene	51		"	50.0		103	84-124		5.78	30
1,4-Dioxane	620		"	1050		58.7	10-228		0.708	30
2-Butanone	35		"	50.0		70.7	58-147		8.86	30
2-Hexanone	49		"	50.0		98.6	70-139		4.31	30
4-Methyl-2-pentanone	48		"	50.0		96.0	72-132		5.92	30
Acetone	32		"	50.0		63.7	36-155		1.15	30
Acrolein	41		"	50.0		82.3	10-238		5.37	30
Acrylonitrile	39		"	50.0		77.7	66-141		6.98	30
Benzene	41		"	50.0		81.6	77-127		4.06	30
Bromochloromethane	41		"	50.0		81.1	74-129		8.02	30
Bromodichloromethane	53		"	50.0		106	81-124		3.79	30
Bromoform	51		"	50.0		102	80-136		6.57	30
Bromomethane	36		"	50.0		72.1	32-177		6.34	30



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Spike	Source*	%REC	%REC	Limits	Flag	RPD	
		Limit							Units	Level
<b>Batch BB91428 - EPA 5035A</b>										
<b>LCS Dup (BB91428-BSD1)</b>										
Prepared & Analyzed: 02/27/2019										
Carbon disulfide	38		ug/L	50.0	75.7	10-136			5.87	30
Carbon tetrachloride	42		"	50.0	83.8	66-143			4.16	30
Chlorobenzene	48		"	50.0	95.7	86-120			4.69	30
Chloroethane	34		"	50.0	68.6	51-142			8.11	30
Chloroform	42		"	50.0	84.9	76-131			4.47	30
Chloromethane	30		"	50.0	59.6	49-132			4.34	30
cis-1,2-Dichloroethylene	39		"	50.0	78.9	74-132			4.17	30
cis-1,3-Dichloropropylene	52		"	50.0	104	81-129			2.76	30
Cyclohexane	40		"	50.0	80.5	70-130			3.75	30
Dibromochloromethane	50		"	50.0	100	10-200			3.70	30
Dibromomethane	50		"	50.0	101	83-124			4.10	30
Dichlorodifluoromethane	20		"	50.0	40.3	28-158			3.37	30
Ethyl Benzene	51		"	50.0	102	84-125			5.01	30
Hexachlorobutadiene	52		"	50.0	105	83-133			4.79	30
Isopropylbenzene	55		"	50.0	111	81-127			4.64	30
Methyl acetate	31		"	50.0	61.3	41-143			10.3	30
Methyl tert-butyl ether (MTBE)	41		"	50.0	81.2	74-131			6.30	30
Methylcyclohexane	50		"	50.0	99.6	70-130			1.06	30
Methylene chloride	42		"	50.0	84.5	57-141			6.57	30
n-Butylbenzene	51		"	50.0	103	80-130			8.67	30
n-Propylbenzene	57		"	50.0	115	74-136			3.87	30
o-Xylene	51		"	50.0	103	83-123			2.78	30
p- & m- Xylenes	100		"	100	102	82-128			4.64	30
p-Isopropyltoluene	55		"	50.0	109	85-125			5.16	30
sec-Butylbenzene	58		"	50.0	116	83-125			3.08	30
Styrene	50		"	50.0	99.4	86-126			3.91	30
tert-Butyl alcohol (TBA)	190		"	250	76.6	70-130			7.26	30
tert-Butylbenzene	53		"	50.0	107	80-127			3.57	30
Tetrachloroethylene	44		"	50.0	87.3	80-129			4.59	30
Toluene	51		"	50.0	102	85-121			2.88	30
trans-1,2-Dichloroethylene	39		"	50.0	77.8	72-132			5.45	30
trans-1,3-Dichloropropylene	51		"	50.0	102	78-132			4.49	30
Trichloroethylene	51		"	50.0	103	84-123			3.43	30
Trichlorofluoromethane	40		"	50.0	79.2	62-140			4.13	30
Vinyl Chloride	31		"	50.0	61.4	52-130			5.02	30
Surrogate: SURR: 1,2-Dichloroethane-d4	53.4		"	50.0	107	77-125				
Surrogate: SURR: Toluene-d8	57.6		"	50.0	115	85-120				
Surrogate: SURR: p-Bromofluorobenzene	52.2		"	50.0	104	76-130				



**Semivolatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

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

**Batch BB91295 - EPA 3550C**

**Blank (BB91295-BLK1)**

Prepared: 02/25/2019 Analyzed: 02/26/2019

2-Methylnaphthalene	ND	41.7	ug/kg wet								
Acenaphthene	ND	41.7	"								
Acenaphthylene	ND	41.7	"								
Anthracene	ND	41.7	"								
Benzo(a)anthracene	ND	41.7	"								
Benzo(a)pyrene	ND	41.7	"								
Benzo(b)fluoranthene	ND	41.7	"								
Benzo(g,h,i)perylene	ND	41.7	"								
Benzo(k)fluoranthene	ND	41.7	"								
Chrysene	ND	41.7	"								
Dibenzo(a,h)anthracene	ND	41.7	"								
Fluoranthene	ND	41.7	"								
Fluorene	ND	41.7	"								
Indeno(1,2,3-cd)pyrene	ND	41.7	"								
Naphthalene	ND	41.7	"								
Phenanthrene	ND	41.7	"								
Pyrene	ND	41.7	"								
<i>Surrogate: SURR: Nitrobenzene-d5</i>	762		"	833		91.4		22-108			
<i>Surrogate: SURR: 2-Fluorobiphenyl</i>	675		"	833		81.0		21-113			
<i>Surrogate: SURR: Terphenyl-d14</i>	801		"	833		96.2		24-116			

**LCS (BB91295-BS1)**

Prepared: 02/25/2019 Analyzed: 02/26/2019

2-Methylnaphthalene	747	41.7	ug/kg wet	833		89.6		16-127			
Acenaphthene	637	41.7	"	833		76.4		17-124			
Acenaphthylene	652	41.7	"	833		78.2		16-124			
Anthracene	719	41.7	"	833		86.3		24-124			
Benzo(a)anthracene	749	41.7	"	833		89.9		25-134			
Benzo(a)pyrene	792	41.7	"	833		95.0		29-144			
Benzo(b)fluoranthene	755	41.7	"	833		90.6		20-151			
Benzo(g,h,i)perylene	721	41.7	"	833		86.6		10-153			
Benzo(k)fluoranthene	684	41.7	"	833		82.1		10-148			
Chrysene	697	41.7	"	833		83.6		24-116			
Dibenzo(a,h)anthracene	740	41.7	"	833		88.8		17-147			
Fluoranthene	731	41.7	"	833		87.7		36-125			
Fluorene	667	41.7	"	833		80.0		16-130			
Indeno(1,2,3-cd)pyrene	810	41.7	"	833		97.2		10-155			
Naphthalene	700	41.7	"	833		84.0		20-121			
Phenanthrene	694	41.7	"	833		83.3		24-123			
Pyrene	752	41.7	"	833		90.2		24-132			
<i>Surrogate: SURR: Nitrobenzene-d5</i>	746		"	833		89.6		22-108			
<i>Surrogate: SURR: 2-Fluorobiphenyl</i>	659		"	833		79.0		21-113			
<i>Surrogate: SURR: Terphenyl-d14</i>	748		"	833		89.7		24-116			



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BB91352 - EPA 3550C

Blank (BB91352-BLK1)

Prepared: 02/26/2019 Analyzed: 02/27/2019

2-Methylnaphthalene	ND	41.7	ug/kg wet								
Acenaphthene	ND	41.7	"								
Acenaphthylene	ND	41.7	"								
Anthracene	ND	41.7	"								
Benzo(a)anthracene	ND	41.7	"								
Benzo(a)pyrene	ND	41.7	"								
Benzo(b)fluoranthene	ND	41.7	"								
Benzo(g,h,i)perylene	ND	41.7	"								
Benzo(k)fluoranthene	ND	41.7	"								
Chrysene	ND	41.7	"								
Dibenzo(a,h)anthracene	ND	41.7	"								
Fluoranthene	ND	41.7	"								
Fluorene	ND	41.7	"								
Indeno(1,2,3-cd)pyrene	ND	41.7	"								
Naphthalene	ND	41.7	"								
Phenanthrene	ND	41.7	"								
Pyrene	ND	41.7	"								
Surrogate: SURRE: Nitrobenzene-d5	711		"	833		85.3		22-108			
Surrogate: SURRE: 2-Fluorobiphenyl	675		"	833		81.0		21-113			
Surrogate: SURRE: Terphenyl-d14	747		"	833		89.7		24-116			

LCS (BB91352-BS1)

Prepared: 02/26/2019 Analyzed: 02/27/2019

2-Methylnaphthalene	565	41.7	ug/kg wet	833		67.8		16-127			
Acenaphthene	565	41.7	"	833		67.8		17-124			
Acenaphthylene	558	41.7	"	833		66.9		16-124			
Anthracene	600	41.7	"	833		72.0		24-124			
Benzo(a)anthracene	591	41.7	"	833		70.9		25-134			
Benzo(a)pyrene	666	41.7	"	833		79.9		29-144			
Benzo(b)fluoranthene	640	41.7	"	833		76.8		20-151			
Benzo(g,h,i)perylene	669	41.7	"	833		80.3		10-153			
Benzo(k)fluoranthene	620	41.7	"	833		74.4		10-148			
Chrysene	616	41.7	"	833		73.9		24-116			
Dibenzo(a,h)anthracene	673	41.7	"	833		80.8		17-147			
Fluoranthene	604	41.7	"	833		72.5		36-125			
Fluorene	552	41.7	"	833		66.3		16-130			
Indeno(1,2,3-cd)pyrene	668	41.7	"	833		80.2		10-155			
Naphthalene	607	41.7	"	833		72.8		20-121			
Phenanthrene	598	41.7	"	833		71.7		24-123			
Pyrene	618	41.7	"	833		74.2		24-132			
Surrogate: SURRE: Nitrobenzene-d5	610		"	833		73.2		22-108			
Surrogate: SURRE: 2-Fluorobiphenyl	576		"	833		69.2		21-113			
Surrogate: SURRE: Terphenyl-d14	615		"	833		73.8		24-116			



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BB91201 - EPA 3050B</b>											
<b>Blank (BB91201-BLK1)</b>								Prepared & Analyzed: 02/22/2019			
Lead	ND	0.500	mg/kg wet								
<b>Reference (BB91201-SRM1)</b>								Prepared & Analyzed: 02/22/2019			
Lead	79.4	0.500	mg/kg wet	73.8		108	68.4-131.6				



### Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
19B0759-01	SB-01 1.5	40mL 01_Clear Vial Cool to 4° C
19B0759-02	SB-03 12	40mL Vial with Stir Bar-Cool 4° C
19B0759-03	SB-04 2.5	40mL 01_Clear Vial Cool to 4° C
19B0759-04	SB-06 9	40mL Vial with Stir Bar-Cool 4° C
19B0759-05	SB-02 5.5	40mL Vial with Stir Bar-Cool 4° C
19B0759-06	SB-05 11	40mL Vial with Stir Bar-Cool 4° C
19B0759-07	TMW-01 20190220	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



## Sample and Data Qualifiers Relating to This Work Order

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-CRL	The RL check for this element recovered outside of control limits.
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-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).

### 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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# Field Chain-of-Custody Record

York Project No. 19B0759

YORK ANALYTICAL LABORATORIES  
120 RESEARCH DR.  
STRATFORD, CT 06615  
(203) 325-1371  
FAX (203) 357-0166

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

YOUR INFORMATION		Report to:		Invoice To:		Your Project ID		Turn-Around Time		Report/Deliverable Type	
Company: WCD Group	<input checked="" type="checkbox"/> SAME	Name: Brenda Wells	Company: Poughkeepsie, NY	Address: 845-452-1658	E-mail: esalazar@wcdgroup.com	AB18113	Purchase Order #	AB18113.20	RUSH-Same Day	Summary Report	<input checked="" type="checkbox"/>
Address: 24 Davis Avenue		Company: Poughkeepsie, NY	Address: 845-452-1658	E-mail: esalazar@wcdgroup.com					RUSH-Next Day	QA Report	
Phone: 845-452-1658		Company: Poughkeepsie, NY	Address: 845-452-1658	E-mail: esalazar@wcdgroup.com					RUSH-Two Day	CT RCP	
Contact: Erick Salazar		Company: Poughkeepsie, NY	Address: 845-452-1658	E-mail: esalazar@wcdgroup.com					RUSH-Three Day	CT RCP DQA/DUE Pkg	
E-mail: esalazar@wcdgroup.com		Company: Poughkeepsie, NY	Address: 845-452-1658	E-mail: esalazar@wcdgroup.com					RUSH-Four Day	NY ASP A Package	
		Company: Poughkeepsie, NY	Address: 845-452-1658	E-mail: esalazar@wcdgroup.com					Standard (5-7day)	NY ASP B Package	
		Company: Poughkeepsie, NY	Address: 845-452-1658	E-mail: esalazar@wcdgroup.com						NJDEP Reduced Deliv	

*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.*

Matrix Codes:  
S - soil  
Other - specify (oil, etc)  
WW - wastewater  
GW - groundwater  
DW - drinking water  
Air-A - ambient air  
Air-SV - soil vapor

Volatiles:  
8260 full  
624  
STARS list  
BTEX  
MTBE  
TCL list  
TAGM list  
CT RCP list  
Arom. only  
Halog. only  
App. IX list  
8021B list

Semi-Volatiles:  
8270 or 625  
STARS list  
BN Only  
Acids Only  
PAH list  
TAGM list  
CT RCP list  
TCL list  
NIDEP list  
App. IX  
TCLP Herb  
App. IX  
TCLP BNA  
SPLP or TCLP

Metals:  
RCA-6  
PP13 list  
TAL  
CT15 list  
TAGM list  
NIDEP list  
Dissolved  
SPLP or TCLP  
Indic. Metals  
LIST Below

Misc. Org. Full Lists:  
TPH GRO  
TPH DRO  
CT ETPH  
NY 310-13  
TPH 1664  
Air T014A  
Air T015  
Air STARS  
Air STARS  
SPLP or TCLP  
Air TICs  
Methane  
Helium

Other:  
Excel  
NYSDEC EQUIS  
NJDEP SRP HazSite  
EQUIS  
GIS/KEY (std)  
YORK Regulatory Comp Excel compared to:  
OTHER:

Sample Identification	Date+Time Sampled	Matrix	Analysis Requested (List above includes common analysis)	Container Description
SB-01 1.5	2/20/2019	S	VOCs (8260), PAHs (8270), Lead	1x VOA kit, 1x 4oz jar
SB-03 12				
SB-04 2.5				
SB-06 9				
SB-02 5.5				
SB-05 11				
TNW-01 20190220	2/20/2019	GW	VOCs (8260)	3x 40ml HCL vials

Preservation (check all applicable):  
 4°C  
 Frozen  
 HCl  
 ZnAc  
 MeOH  
 Ascorbic Acid  
 HNO<sub>3</sub>  
 H<sub>2</sub>SO<sub>4</sub>  
 NaOH  
 Other

Special Instructions:  
 Field Filtered  
 Labio Filter

Comments:  
Lab supplied VOA kit (4 x 40ml vials)

Samples Relinquished By: [Signature] Date/Time: 2/21/19 1522  
 Samples Relinquished By: [Signature] Date/Time: 2/21/19 1522

Temperature on Receipt: 1.9 °C



# Technical Report

prepared for:

**WCD Group - Poughkeepsie NY**  
24 Davis Avenue  
Poughkeepsie NY, 12603  
**Attention: Erick Salazar**

Report Date: 02/28/2019  
**Client Project ID: AB18113**  
York Project (SDG) No.: 19B0762

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE  
[www.YORKLAB.com](http://www.YORKLAB.com)

STRATFORD, CT 06615  
(203) 325-1371



132-02 89th AVENUE  
FAX (203) 357-0166

RICHMOND HILL, NY 11418  
[ClientServices@yorklab.com](mailto:ClientServices@yorklab.com)

Report Date: 02/28/2019  
Client Project ID: AB18113  
York Project (SDG) No.: 19B0762

**WCD Group - Poughkeepsie NY**  
24 Davis Avenue  
Poughkeepsie NY, 12603  
Attention: Erick Salazar

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## 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 February 22, 2019 and listed below. The project was identified as your project: **AB18113**.

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

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

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

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
19B0762-01	SV-01	Soil Vapor	02/20/2019	02/22/2019
19B0762-02	SV-02	Soil Vapor	02/20/2019	02/22/2019
19B0762-03	SV-03	Soil Vapor	02/20/2019	02/22/2019
19B0762-04	SV-04	Soil Vapor	02/20/2019	02/22/2019

## **General Notes for York Project (SDG) No.: 19B0762**

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:**



Benjamin Gulizia  
Laboratory Director

**Date:** 02/28/2019





### Sample Information

**Client Sample ID:** SV-01

**York Sample ID:** 19B0762-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19B0762	AB18113	Soil Vapor	February 20, 2019 12:00 am	02/22/2019

**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/m <sup>3</sup>	0.94	1.372	EPA TO-15 Certifications:	02/26/2019 08:00	02/26/2019 22:45	AS
71-55-6	1,1,1-Trichloroethane	ND		ug/m <sup>3</sup>	0.75	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/26/2019 22:45	AS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	0.94	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/26/2019 22:45	AS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m <sup>3</sup>	1.1	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/26/2019 22:45	AS
79-00-5	1,1,2-Trichloroethane	ND		ug/m <sup>3</sup>	0.75	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/26/2019 22:45	AS
75-34-3	1,1-Dichloroethane	ND		ug/m <sup>3</sup>	0.56	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/26/2019 22:45	AS
75-35-4	1,1-Dichloroethylene	ND		ug/m <sup>3</sup>	0.54	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/26/2019 22:45	AS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m <sup>3</sup>	1.0	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/26/2019 22:45	AS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m <sup>3</sup>	0.67	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/26/2019 22:45	AS
106-93-4	1,2-Dibromoethane	ND		ug/m <sup>3</sup>	1.1	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/26/2019 22:45	AS
95-50-1	1,2-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.82	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/26/2019 22:45	AS
107-06-2	1,2-Dichloroethane	ND		ug/m <sup>3</sup>	0.56	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/26/2019 22:45	AS
78-87-5	1,2-Dichloropropane	ND		ug/m <sup>3</sup>	0.63	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/26/2019 22:45	AS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m <sup>3</sup>	0.96	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/26/2019 22:45	AS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m <sup>3</sup>	0.67	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/26/2019 22:45	AS
106-99-0	1,3-Butadiene	ND		ug/m <sup>3</sup>	0.91	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/26/2019 22:45	AS
541-73-1	1,3-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.82	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/26/2019 22:45	AS
142-28-9	* 1,3-Dichloropropane	ND		ug/m <sup>3</sup>	0.63	1.372	EPA TO-15 Certifications:	02/26/2019 08:00	02/26/2019 22:45	AS
106-46-7	1,4-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.82	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/26/2019 22:45	AS
123-91-1	1,4-Dioxane	ND		ug/m <sup>3</sup>	0.99	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/26/2019 22:45	AS
78-93-3	<b>2-Butanone</b>	<b>3.6</b>		ug/m <sup>3</sup>	0.40	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/26/2019 22:45	AS
591-78-6	* 2-Hexanone	ND		ug/m <sup>3</sup>	1.1	1.372	EPA TO-15 Certifications:	02/26/2019 08:00	02/26/2019 22:45	AS





### Sample Information

**Client Sample ID:** SV-01

**York Sample ID:** 19B0762-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19B0762

AB18113

Soil Vapor

February 20, 2019 12:00 am

02/22/2019

**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
107-05-1	3-Chloropropene	ND		ug/m <sup>3</sup>	2.1	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/26/2019 22:45	AS
108-10-1	4-Methyl-2-pentanone	ND		ug/m <sup>3</sup>	0.56	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/26/2019 22:45	AS
67-64-1	<b>Acetone</b>	<b>5.8</b>		ug/m <sup>3</sup>	0.65	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/26/2019 22:45	AS
107-13-1	Acrylonitrile	ND		ug/m <sup>3</sup>	0.30	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/26/2019 22:45	AS
71-43-2	<b>Benzene</b>	<b>2.1</b>		ug/m <sup>3</sup>	0.44	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/26/2019 22:45	AS
100-44-7	Benzyl chloride	ND		ug/m <sup>3</sup>	0.71	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/26/2019 22:45	AS
75-27-4	Bromodichloromethane	ND		ug/m <sup>3</sup>	0.92	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/26/2019 22:45	AS
75-25-2	Bromoform	ND		ug/m <sup>3</sup>	1.4	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/26/2019 22:45	AS
74-83-9	Bromomethane	ND		ug/m <sup>3</sup>	0.53	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/26/2019 22:45	AS
75-15-0	<b>Carbon disulfide</b>	<b>15</b>		ug/m <sup>3</sup>	0.43	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/26/2019 22:45	AS
56-23-5	Carbon tetrachloride	ND		ug/m <sup>3</sup>	0.22	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/26/2019 22:45	AS
108-90-7	Chlorobenzene	ND		ug/m <sup>3</sup>	0.63	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/26/2019 22:45	AS
75-00-3	Chloroethane	ND		ug/m <sup>3</sup>	0.36	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/26/2019 22:45	AS
67-66-3	Chloroform	ND		ug/m <sup>3</sup>	0.67	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/26/2019 22:45	AS
74-87-3	Chloromethane	ND		ug/m <sup>3</sup>	0.28	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/26/2019 22:45	AS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.54	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/26/2019 22:45	AS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.62	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/26/2019 22:45	AS
110-82-7	<b>Cyclohexane</b>	<b>0.66</b>		ug/m <sup>3</sup>	0.47	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/26/2019 22:45	AS
124-48-1	Dibromochloromethane	ND		ug/m <sup>3</sup>	1.2	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/26/2019 22:45	AS
75-71-8	<b>Dichlorodifluoromethane</b>	<b>1.5</b>		ug/m <sup>3</sup>	0.68	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/26/2019 22:45	AS
141-78-6	* Ethyl acetate	ND		ug/m <sup>3</sup>	0.99	1.372	EPA TO-15 Certifications:	02/26/2019 08:00	02/26/2019 22:45	AS
100-41-4	<b>Ethyl Benzene</b>	<b>1.0</b>		ug/m <sup>3</sup>	0.60	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/26/2019 22:45	AS
87-68-3	Hexachlorobutadiene	ND		ug/m <sup>3</sup>	1.5	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/26/2019 22:45	AS



### Sample Information

**Client Sample ID:** SV-01

**York Sample ID:** 19B0762-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19B0762

AB18113

Soil Vapor

February 20, 2019 12:00 am

02/22/2019

**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
67-63-0	<b>Isopropanol</b>	<b>0.94</b>		ug/m <sup>3</sup>	0.67	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/26/2019 22:45	AS
80-62-6	Methyl Methacrylate	ND		ug/m <sup>3</sup>	0.56	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/26/2019 22:45	AS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m <sup>3</sup>	0.49	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/26/2019 22:45	AS
75-09-2	Methylene chloride	ND		ug/m <sup>3</sup>	0.95	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/26/2019 22:45	AS
91-20-3	* Naphthalene	ND		ug/m <sup>3</sup>	7.2	1.372	EPA TO-15 Certifications: NJDEP-Queens	02/26/2019 08:00	02/26/2019 22:45	AS
142-82-5	<b>n-Heptane</b>	<b>4.1</b>		ug/m <sup>3</sup>	0.56	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/26/2019 22:45	AS
110-54-3	<b>n-Hexane</b>	<b>1.7</b>		ug/m <sup>3</sup>	0.48	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/26/2019 22:45	AS
95-47-6	<b>o-Xylene</b>	<b>0.95</b>		ug/m <sup>3</sup>	0.60	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/26/2019 22:45	AS
179601-23-1	<b>p- &amp; m- Xylenes</b>	<b>2.7</b>		ug/m <sup>3</sup>	1.2	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/26/2019 22:45	AS
622-96-8	* p-Ethyltoluene	ND		ug/m <sup>3</sup>	0.67	1.372	EPA TO-15 Certifications:	02/26/2019 08:00	02/26/2019 22:45	AS
115-07-1	* <b>Propylene</b>	<b>1.4</b>		ug/m <sup>3</sup>	0.24	1.372	EPA TO-15 Certifications:	02/26/2019 08:00	02/26/2019 22:45	AS
100-42-5	Styrene	ND		ug/m <sup>3</sup>	0.58	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/26/2019 22:45	AS
127-18-4	<b>Tetrachloroethylene</b>	<b>5.7</b>		ug/m <sup>3</sup>	0.23	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/26/2019 22:45	AS
109-99-9	* Tetrahydrofuran	ND		ug/m <sup>3</sup>	0.81	1.372	EPA TO-15 Certifications:	02/26/2019 08:00	02/26/2019 22:45	AS
108-88-3	<b>Toluene</b>	<b>14</b>		ug/m <sup>3</sup>	0.52	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/26/2019 22:45	AS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.54	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/26/2019 22:45	AS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.62	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/26/2019 22:45	AS
79-01-6	Trichloroethylene	ND		ug/m <sup>3</sup>	0.18	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/26/2019 22:45	AS
75-69-4	<b>Trichlorofluoromethane (Freon 11)</b>	<b>0.77</b>		ug/m <sup>3</sup>	0.77	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/26/2019 22:45	AS
108-05-4	Vinyl acetate	ND		ug/m <sup>3</sup>	0.48	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/26/2019 22:45	AS
593-60-2	Vinyl bromide	ND		ug/m <sup>3</sup>	0.60	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/26/2019 22:45	AS
75-01-4	Vinyl Chloride	ND		ug/m <sup>3</sup>	0.35	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/26/2019 22:45	AS

Surrogate Recoveries

Result

Acceptance Range



### Sample Information

**Client Sample ID:** SV-01

**York Sample ID:** 19B0762-01

<u>York Project (SDG) No.</u> 19B0762	<u>Client Project ID</u> AB18113	<u>Matrix</u> Soil Vapor	<u>Collection Date/Time</u> February 20, 2019 12:00 am	<u>Date Received</u> 02/22/2019
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**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
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	100 %			70-130					

### Sample Information

**Client Sample ID:** SV-02

**York Sample ID:** 19B0762-02

<u>York Project (SDG) No.</u> 19B0762	<u>Client Project ID</u> AB18113	<u>Matrix</u> Soil Vapor	<u>Collection Date/Time</u> February 20, 2019 12:00 am	<u>Date Received</u> 02/22/2019
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**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/m <sup>3</sup>	1.0	1.473	EPA TO-15 Certifications:	02/26/2019 08:00	02/27/2019 00:29	AS
71-55-6	1,1,1-Trichloroethane	ND		ug/m <sup>3</sup>	0.80	1.473	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 00:29	AS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	1.0	1.473	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 00:29	AS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m <sup>3</sup>	1.1	1.473	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 00:29	AS
79-00-5	1,1,2-Trichloroethane	ND		ug/m <sup>3</sup>	0.80	1.473	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 00:29	AS
75-34-3	1,1-Dichloroethane	ND		ug/m <sup>3</sup>	0.60	1.473	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 00:29	AS
75-35-4	1,1-Dichloroethylene	ND		ug/m <sup>3</sup>	0.58	1.473	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 00:29	AS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m <sup>3</sup>	1.1	1.473	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 00:29	AS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m <sup>3</sup>	0.72	1.473	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 00:29	AS
106-93-4	1,2-Dibromoethane	ND		ug/m <sup>3</sup>	1.1	1.473	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 00:29	AS
95-50-1	1,2-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.89	1.473	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 00:29	AS
107-06-2	1,2-Dichloroethane	ND		ug/m <sup>3</sup>	0.60	1.473	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 00:29	AS
78-87-5	1,2-Dichloropropane	ND		ug/m <sup>3</sup>	0.68	1.473	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 00:29	AS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m <sup>3</sup>	1.0	1.473	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 00:29	AS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m <sup>3</sup>	0.72	1.473	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 00:29	AS
106-99-0	1,3-Butadiene	ND		ug/m <sup>3</sup>	0.98	1.473	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 00:29	AS





### Sample Information

**Client Sample ID:** SV-02

**York Sample ID:** 19B0762-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19B0762

AB18113

Soil Vapor

February 20, 2019 12:00 am

02/22/2019

**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
541-73-1	1,3-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.89	1.473	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 00:29	AS
142-28-9	* 1,3-Dichloropropane	ND		ug/m <sup>3</sup>	0.68	1.473	EPA TO-15 Certifications:	02/26/2019 08:00	02/27/2019 00:29	AS
106-46-7	1,4-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.89	1.473	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 00:29	AS
123-91-1	1,4-Dioxane	ND		ug/m <sup>3</sup>	1.1	1.473	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 00:29	AS
78-93-3	<b>2-Butanone</b>	<b>6.7</b>		ug/m <sup>3</sup>	0.43	1.473	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 00:29	AS
591-78-6	* 2-Hexanone	ND		ug/m <sup>3</sup>	1.2	1.473	EPA TO-15 Certifications:	02/26/2019 08:00	02/27/2019 00:29	AS
107-05-1	3-Chloropropene	ND		ug/m <sup>3</sup>	2.3	1.473	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 00:29	AS
108-10-1	4-Methyl-2-pentanone	ND		ug/m <sup>3</sup>	0.60	1.473	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 00:29	AS
67-64-1	<b>Acetone</b>	<b>11</b>		ug/m <sup>3</sup>	0.70	1.473	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 00:29	AS
107-13-1	Acrylonitrile	ND		ug/m <sup>3</sup>	0.32	1.473	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 00:29	AS
71-43-2	<b>Benzene</b>	<b>0.47</b>		ug/m <sup>3</sup>	0.47	1.473	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 00:29	AS
100-44-7	Benzyl chloride	ND		ug/m <sup>3</sup>	0.76	1.473	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 00:29	AS
75-27-4	Bromodichloromethane	ND		ug/m <sup>3</sup>	0.99	1.473	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 00:29	AS
75-25-2	Bromoform	ND		ug/m <sup>3</sup>	1.5	1.473	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 00:29	AS
74-83-9	Bromomethane	ND		ug/m <sup>3</sup>	0.57	1.473	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 00:29	AS
75-15-0	<b>Carbon disulfide</b>	<b>13</b>		ug/m <sup>3</sup>	0.46	1.473	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 00:29	AS
56-23-5	Carbon tetrachloride	ND		ug/m <sup>3</sup>	0.23	1.473	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 00:29	AS
108-90-7	Chlorobenzene	ND		ug/m <sup>3</sup>	0.68	1.473	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 00:29	AS
75-00-3	Chloroethane	ND		ug/m <sup>3</sup>	0.39	1.473	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 00:29	AS
67-66-3	Chloroform	ND		ug/m <sup>3</sup>	0.72	1.473	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 00:29	AS
74-87-3	Chloromethane	ND		ug/m <sup>3</sup>	0.30	1.473	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 00:29	AS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.58	1.473	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 00:29	AS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.67	1.473	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 00:29	AS



## Sample Information

**Client Sample ID:** SV-02

**York Sample ID:** 19B0762-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19B0762

AB18113

Soil Vapor

February 20, 2019 12:00 am

02/22/2019

**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
110-82-7	Cyclohexane	ND		ug/m <sup>3</sup>	0.51	1.473	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 00:29	AS
124-48-1	Dibromochloromethane	ND		ug/m <sup>3</sup>	1.3	1.473	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 00:29	AS
75-71-8	<b>Dichlorodifluoromethane</b>	<b>2.1</b>		ug/m <sup>3</sup>	0.73	1.473	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 00:29	AS
141-78-6	* Ethyl acetate	ND		ug/m <sup>3</sup>	1.1	1.473	EPA TO-15 Certifications:	02/26/2019 08:00	02/27/2019 00:29	AS
100-41-4	Ethyl Benzene	ND		ug/m <sup>3</sup>	0.64	1.473	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 00:29	AS
87-68-3	Hexachlorobutadiene	ND		ug/m <sup>3</sup>	1.6	1.473	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 00:29	AS
67-63-0	<b>Isopropanol</b>	<b>3.0</b>		ug/m <sup>3</sup>	0.72	1.473	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 00:29	AS
80-62-6	Methyl Methacrylate	ND		ug/m <sup>3</sup>	0.60	1.473	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 00:29	AS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m <sup>3</sup>	0.53	1.473	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 00:29	AS
75-09-2	Methylene chloride	ND		ug/m <sup>3</sup>	1.0	1.473	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 00:29	AS
91-20-3	* Naphthalene	ND		ug/m <sup>3</sup>	7.7	1.473	EPA TO-15 Certifications: NJDEP-Queens	02/26/2019 08:00	02/27/2019 00:29	AS
142-82-5	<b>n-Heptane</b>	<b>2.5</b>		ug/m <sup>3</sup>	0.60	1.473	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 00:29	AS
110-54-3	n-Hexane	ND		ug/m <sup>3</sup>	0.52	1.473	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 00:29	AS
95-47-6	<b>o-Xylene</b>	<b>0.77</b>		ug/m <sup>3</sup>	0.64	1.473	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 00:29	AS
179601-23-1	<b>p- &amp; m- Xylenes</b>	<b>2.0</b>		ug/m <sup>3</sup>	1.3	1.473	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 00:29	AS
622-96-8	* p-Ethyltoluene	ND		ug/m <sup>3</sup>	0.72	1.473	EPA TO-15 Certifications:	02/26/2019 08:00	02/27/2019 00:29	AS
115-07-1	* <b>Propylene</b>	<b>1.3</b>		ug/m <sup>3</sup>	0.25	1.473	EPA TO-15 Certifications:	02/26/2019 08:00	02/27/2019 00:29	AS
100-42-5	Styrene	ND		ug/m <sup>3</sup>	0.63	1.473	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 00:29	AS
127-18-4	<b>Tetrachloroethylene</b>	<b>5.1</b>		ug/m <sup>3</sup>	0.25	1.473	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 00:29	AS
109-99-9	* Tetrahydrofuran	ND		ug/m <sup>3</sup>	0.87	1.473	EPA TO-15 Certifications:	02/26/2019 08:00	02/27/2019 00:29	AS
108-88-3	<b>Toluene</b>	<b>13</b>		ug/m <sup>3</sup>	0.56	1.473	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 00:29	AS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.58	1.473	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 00:29	AS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.67	1.473	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 00:29	AS



Sample Information

Client Sample ID: SV-02

York Sample ID: 19B0762-02

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 19B0762, AB18113, Soil Vapor, February 20, 2019 12:00 am, 02/22/2019

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

Main data table for SV-02 with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for Trichloroethylene, Trichlorofluoromethane (Freon 11), Vinyl acetate, Vinyl bromide, Vinyl Chloride, and Surrogate Recoveries.

Sample Information

Client Sample ID: SV-03

York Sample ID: 19B0762-03

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 19B0762, AB18113, Soil Vapor, February 20, 2019 12:00 am, 02/22/2019

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

Main data table for SV-03 with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for 1,1,1,2-Tetrachloroethane, 1,1,1-Trichloroethane, 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113), 1,1,2-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloroethylene, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, and 1,2-Dibromoethane.



## Sample Information

**Client Sample ID:** SV-03

**York Sample ID:** 19B0762-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19B0762

AB18113

Soil Vapor

February 20, 2019 12:00 am

02/22/2019

**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
95-50-1	1,2-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.83	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 01:21	AS
107-06-2	1,2-Dichloroethane	ND		ug/m <sup>3</sup>	0.56	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 01:21	AS
78-87-5	1,2-Dichloropropane	ND		ug/m <sup>3</sup>	0.64	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 01:21	AS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m <sup>3</sup>	0.97	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 01:21	AS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m <sup>3</sup>	0.68	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 01:21	AS
106-99-0	1,3-Butadiene	ND		ug/m <sup>3</sup>	0.92	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 01:21	AS
541-73-1	1,3-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.83	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 01:21	AS
142-28-9	* 1,3-Dichloropropane	ND		ug/m <sup>3</sup>	0.64	1.386	EPA TO-15 Certifications:	02/26/2019 08:00	02/27/2019 01:21	AS
106-46-7	1,4-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.83	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 01:21	AS
123-91-1	1,4-Dioxane	ND		ug/m <sup>3</sup>	1.0	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 01:21	AS
78-93-3	<b>2-Butanone</b>	<b>6.8</b>		ug/m <sup>3</sup>	0.41	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 01:21	AS
591-78-6	* 2-Hexanone	ND		ug/m <sup>3</sup>	1.1	1.386	EPA TO-15 Certifications:	02/26/2019 08:00	02/27/2019 01:21	AS
107-05-1	3-Chloropropene	ND		ug/m <sup>3</sup>	2.2	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 01:21	AS
108-10-1	4-Methyl-2-pentanone	ND		ug/m <sup>3</sup>	0.57	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 01:21	AS
67-64-1	<b>Acetone</b>	<b>20</b>		ug/m <sup>3</sup>	0.66	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 01:21	AS
107-13-1	Acrylonitrile	ND		ug/m <sup>3</sup>	0.30	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 01:21	AS
71-43-2	Benzene	ND		ug/m <sup>3</sup>	0.44	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 01:21	AS
100-44-7	Benzyl chloride	ND		ug/m <sup>3</sup>	0.72	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 01:21	AS
75-27-4	Bromodichloromethane	ND		ug/m <sup>3</sup>	0.93	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 01:21	AS
75-25-2	Bromoform	ND		ug/m <sup>3</sup>	1.4	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 01:21	AS
74-83-9	Bromomethane	ND		ug/m <sup>3</sup>	0.54	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 01:21	AS
75-15-0	Carbon disulfide	ND		ug/m <sup>3</sup>	0.43	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 01:21	AS
56-23-5	Carbon tetrachloride	ND		ug/m <sup>3</sup>	0.22	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 01:21	AS



### Sample Information

**Client Sample ID:** SV-03

**York Sample ID:** 19B0762-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19B0762

AB18113

Soil Vapor

February 20, 2019 12:00 am

02/22/2019

**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
108-90-7	Chlorobenzene	ND		ug/m <sup>3</sup>	0.64	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 01:21	AS
75-00-3	Chloroethane	ND		ug/m <sup>3</sup>	0.37	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 01:21	AS
67-66-3	Chloroform	ND		ug/m <sup>3</sup>	0.68	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 01:21	AS
74-87-3	Chloromethane	ND		ug/m <sup>3</sup>	0.29	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 01:21	AS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.55	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 01:21	AS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.63	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 01:21	AS
110-82-7	Cyclohexane	ND		ug/m <sup>3</sup>	0.48	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 01:21	AS
124-48-1	Dibromochloromethane	ND		ug/m <sup>3</sup>	1.2	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 01:21	AS
75-71-8	<b>Dichlorodifluoromethane</b>	<b>2.1</b>		ug/m <sup>3</sup>	0.69	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 01:21	AS
141-78-6	* Ethyl acetate	ND		ug/m <sup>3</sup>	1.0	1.386	EPA TO-15 Certifications:	02/26/2019 08:00	02/27/2019 01:21	AS
100-41-4	<b>Ethyl Benzene</b>	<b>0.66</b>		ug/m <sup>3</sup>	0.60	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 01:21	AS
87-68-3	Hexachlorobutadiene	ND		ug/m <sup>3</sup>	1.5	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 01:21	AS
67-63-0	<b>Isopropanol</b>	<b>17</b>		ug/m <sup>3</sup>	0.68	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 01:21	AS
80-62-6	Methyl Methacrylate	ND		ug/m <sup>3</sup>	0.57	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 01:21	AS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m <sup>3</sup>	0.50	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 01:21	AS
75-09-2	<b>Methylene chloride</b>	<b>2.2</b>		ug/m <sup>3</sup>	0.96	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 01:21	AS
91-20-3	* Naphthalene	ND		ug/m <sup>3</sup>	7.3	1.386	EPA TO-15 Certifications: NJDEP-Queens	02/26/2019 08:00	02/27/2019 01:21	AS
142-82-5	<b>n-Heptane</b>	<b>2.5</b>		ug/m <sup>3</sup>	0.57	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 01:21	AS
110-54-3	n-Hexane	ND		ug/m <sup>3</sup>	0.49	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 01:21	AS
95-47-6	<b>o-Xylene</b>	<b>0.84</b>		ug/m <sup>3</sup>	0.60	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 01:21	AS
179601-23-1	<b>p- &amp; m- Xylenes</b>	<b>2.0</b>		ug/m <sup>3</sup>	1.2	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 01:21	AS
622-96-8	* p-Ethyltoluene	ND		ug/m <sup>3</sup>	0.68	1.386	EPA TO-15 Certifications:	02/26/2019 08:00	02/27/2019 01:21	AS
115-07-1	* <b>Propylene</b>	<b>1.8</b>		ug/m <sup>3</sup>	0.24	1.386	EPA TO-15 Certifications:	02/26/2019 08:00	02/27/2019 01:21	AS



### Sample Information

**Client Sample ID:** SV-03

**York Sample ID:** 19B0762-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19B0762

AB18113

Soil Vapor

February 20, 2019 12:00 am

02/22/2019

**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
100-42-5	Styrene	ND		ug/m <sup>3</sup>	0.59	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 01:21	AS
127-18-4	<b>Tetrachloroethylene</b>	<b>4.9</b>		ug/m <sup>3</sup>	0.24	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 01:21	AS
109-99-9	* Tetrahydrofuran	ND		ug/m <sup>3</sup>	0.82	1.386	EPA TO-15 Certifications:	02/26/2019 08:00	02/27/2019 01:21	AS
108-88-3	<b>Toluene</b>	<b>12</b>		ug/m <sup>3</sup>	0.52	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 01:21	AS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.55	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 01:21	AS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.63	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 01:21	AS
79-01-6	Trichloroethylene	ND		ug/m <sup>3</sup>	0.19	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 01:21	AS
75-69-4	<b>Trichlorofluoromethane (Freon 11)</b>	<b>1.2</b>		ug/m <sup>3</sup>	0.78	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 01:21	AS
108-05-4	Vinyl acetate	ND		ug/m <sup>3</sup>	0.49	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 01:21	AS
593-60-2	Vinyl bromide	ND		ug/m <sup>3</sup>	0.61	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 01:21	AS
75-01-4	Vinyl Chloride	ND		ug/m <sup>3</sup>	0.35	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 01:21	AS
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	101 %	70-130							

### Sample Information

**Client Sample ID:** SV-04

**York Sample ID:** 19B0762-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19B0762

AB18113

Soil Vapor

February 20, 2019 12:00 am

02/22/2019

**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/m <sup>3</sup>	0.89	1.301	EPA TO-15 Certifications:	02/26/2019 08:00	02/27/2019 02:13	AS
71-55-6	1,1,1-Trichloroethane	ND		ug/m <sup>3</sup>	0.71	1.301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 02:13	AS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	0.89	1.301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 02:13	AS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m <sup>3</sup>	1.0	1.301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 02:13	AS



## Sample Information

**Client Sample ID:** SV-04

**York Sample ID:** 19B0762-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19B0762

AB18113

Soil Vapor

February 20, 2019 12:00 am

02/22/2019

**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
79-00-5	1,1,2-Trichloroethane	ND		ug/m <sup>3</sup>	0.71	1.301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 02:13	AS
75-34-3	1,1-Dichloroethane	ND		ug/m <sup>3</sup>	0.53	1.301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 02:13	AS
75-35-4	1,1-Dichloroethylene	ND		ug/m <sup>3</sup>	0.52	1.301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 02:13	AS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m <sup>3</sup>	0.97	1.301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 02:13	AS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m <sup>3</sup>	0.64	1.301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 02:13	AS
106-93-4	1,2-Dibromoethane	ND		ug/m <sup>3</sup>	1.0	1.301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 02:13	AS
95-50-1	1,2-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.78	1.301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 02:13	AS
107-06-2	1,2-Dichloroethane	ND		ug/m <sup>3</sup>	0.53	1.301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 02:13	AS
78-87-5	1,2-Dichloropropane	ND		ug/m <sup>3</sup>	0.60	1.301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 02:13	AS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m <sup>3</sup>	0.91	1.301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 02:13	AS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m <sup>3</sup>	0.64	1.301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 02:13	AS
106-99-0	1,3-Butadiene	ND		ug/m <sup>3</sup>	0.86	1.301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 02:13	AS
541-73-1	1,3-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.78	1.301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 02:13	AS
142-28-9	* 1,3-Dichloropropane	ND		ug/m <sup>3</sup>	0.60	1.301	EPA TO-15 Certifications:	02/26/2019 08:00	02/27/2019 02:13	AS
106-46-7	1,4-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.78	1.301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 02:13	AS
123-91-1	1,4-Dioxane	ND		ug/m <sup>3</sup>	0.94	1.301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 02:13	AS
78-93-3	<b>2-Butanone</b>	<b>4.2</b>		ug/m <sup>3</sup>	0.38	1.301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 02:13	AS
591-78-6	* 2-Hexanone	ND		ug/m <sup>3</sup>	1.1	1.301	EPA TO-15 Certifications:	02/26/2019 08:00	02/27/2019 02:13	AS
107-05-1	3-Chloropropene	ND		ug/m <sup>3</sup>	2.0	1.301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 02:13	AS
108-10-1	4-Methyl-2-pentanone	ND		ug/m <sup>3</sup>	0.53	1.301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 02:13	AS
67-64-1	<b>Acetone</b>	<b>18</b>		ug/m <sup>3</sup>	0.62	1.301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 02:13	AS
107-13-1	Acrylonitrile	ND		ug/m <sup>3</sup>	0.28	1.301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 02:13	AS
71-43-2	<b>Benzene</b>	<b>0.87</b>		ug/m <sup>3</sup>	0.42	1.301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 02:13	AS





### Sample Information

**Client Sample ID:** SV-04

**York Sample ID:** 19B0762-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19B0762

AB18113

Soil Vapor

February 20, 2019 12:00 am

02/22/2019

**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
100-44-7	Benzyl chloride	ND		ug/m <sup>3</sup>	0.67	1.301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 02:13	AS
75-27-4	Bromodichloromethane	ND		ug/m <sup>3</sup>	0.87	1.301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 02:13	AS
75-25-2	Bromoform	ND		ug/m <sup>3</sup>	1.3	1.301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 02:13	AS
74-83-9	Bromomethane	ND		ug/m <sup>3</sup>	0.51	1.301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 02:13	AS
75-15-0	<b>Carbon disulfide</b>	<b>12</b>		ug/m <sup>3</sup>	0.41	1.301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 02:13	AS
56-23-5	Carbon tetrachloride	ND		ug/m <sup>3</sup>	0.20	1.301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 02:13	AS
108-90-7	Chlorobenzene	ND		ug/m <sup>3</sup>	0.60	1.301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 02:13	AS
75-00-3	Chloroethane	ND		ug/m <sup>3</sup>	0.34	1.301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 02:13	AS
67-66-3	Chloroform	ND		ug/m <sup>3</sup>	0.64	1.301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 02:13	AS
74-87-3	Chloromethane	ND		ug/m <sup>3</sup>	0.27	1.301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 02:13	AS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.52	1.301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 02:13	AS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.59	1.301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 02:13	AS
110-82-7	<b>Cyclohexane</b>	<b>0.67</b>		ug/m <sup>3</sup>	0.45	1.301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 02:13	AS
124-48-1	Dibromochloromethane	ND		ug/m <sup>3</sup>	1.1	1.301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 02:13	AS
75-71-8	<b>Dichlorodifluoromethane</b>	<b>2.1</b>		ug/m <sup>3</sup>	0.64	1.301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 02:13	AS
141-78-6	* Ethyl acetate	ND		ug/m <sup>3</sup>	0.94	1.301	EPA TO-15 Certifications:	02/26/2019 08:00	02/27/2019 02:13	AS
100-41-4	<b>Ethyl Benzene</b>	<b>0.90</b>		ug/m <sup>3</sup>	0.56	1.301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 02:13	AS
87-68-3	Hexachlorobutadiene	ND		ug/m <sup>3</sup>	1.4	1.301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 02:13	AS
67-63-0	<b>Isopropanol</b>	<b>4.2</b>		ug/m <sup>3</sup>	0.64	1.301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 02:13	AS
80-62-6	Methyl Methacrylate	ND		ug/m <sup>3</sup>	0.53	1.301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 02:13	AS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m <sup>3</sup>	0.47	1.301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 02:13	AS
75-09-2	Methylene chloride	ND		ug/m <sup>3</sup>	0.90	1.301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 02:13	AS
91-20-3	* Naphthalene	ND		ug/m <sup>3</sup>	6.8	1.301	EPA TO-15 Certifications: NJDEP-Queens	02/26/2019 08:00	02/27/2019 02:13	AS





### Sample Information

**Client Sample ID:** SV-04

**York Sample ID:** 19B0762-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19B0762

AB18113

Soil Vapor

February 20, 2019 12:00 am

02/22/2019

**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
142-82-5	n-Heptane	4.5		ug/m <sup>3</sup>	0.53	1.301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 02:13	AS
110-54-3	n-Hexane	3.5		ug/m <sup>3</sup>	0.46	1.301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 02:13	AS
95-47-6	o-Xylene	0.96		ug/m <sup>3</sup>	0.56	1.301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 02:13	AS
179601-23-1	p- & m- Xylenes	2.6		ug/m <sup>3</sup>	1.1	1.301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 02:13	AS
622-96-8	* p-Ethyltoluene	ND		ug/m <sup>3</sup>	0.64	1.301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 02:13	AS
115-07-1	* Propylene	2.8		ug/m <sup>3</sup>	0.22	1.301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 02:13	AS
100-42-5	Styrene	ND		ug/m <sup>3</sup>	0.55	1.301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 02:13	AS
127-18-4	Tetrachloroethylene	5.8		ug/m <sup>3</sup>	0.22	1.301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 02:13	AS
109-99-9	* Tetrahydrofuran	ND		ug/m <sup>3</sup>	0.77	1.301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 02:13	AS
108-88-3	Toluene	15		ug/m <sup>3</sup>	0.49	1.301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 02:13	AS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.52	1.301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 02:13	AS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.59	1.301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 02:13	AS
79-01-6	Trichloroethylene	ND		ug/m <sup>3</sup>	0.17	1.301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 02:13	AS
75-69-4	Trichlorofluoromethane (Freon 11)	1.0		ug/m <sup>3</sup>	0.73	1.301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 02:13	AS
108-05-4	Vinyl acetate	ND		ug/m <sup>3</sup>	0.46	1.301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 02:13	AS
593-60-2	Vinyl bromide	ND		ug/m <sup>3</sup>	0.57	1.301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 02:13	AS
75-01-4	Vinyl Chloride	ND		ug/m <sup>3</sup>	0.33	1.301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/26/2019 08:00	02/27/2019 02:13	AS
	<b>Surrogate Recoveries</b>	<b>Result</b>					<b>Acceptance Range</b>			
460-00-4	Surrogate: Surr: p-Bromofluorobenzene	101 %					70-130			



## Analytical Batch Summary

**Batch ID:** BB91249

**Preparation Method:** EPA TO15 PREP

**Prepared By:** AS

YORK Sample ID	Client Sample ID	Preparation Date
19B0762-01	SV-01	02/26/19
19B0762-02	SV-02	02/26/19
19B0762-03	SV-03	02/26/19
19B0762-04	SV-04	02/26/19
BB91249-BLK1	Blank	02/26/19
BB91249-BS1	LCS	02/26/19
BB91249-DUP1	Duplicate	02/26/19



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB91249 - EPA TO15 PREP

Blank (BB91249-BLK1)

Prepared & Analyzed: 02/26/2019

1,1,1,2-Tetrachloroethane	ND	0.69	ug/m <sup>3</sup>								
1,1,1-Trichloroethane	ND	0.55	"								
1,1,2,2-Tetrachloroethane	ND	0.69	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"								
1,1,2-Trichloroethane	ND	0.55	"								
1,1-Dichloroethane	ND	0.40	"								
1,1-Dichloroethylene	ND	0.40	"								
1,2,4-Trichlorobenzene	ND	0.74	"								
1,2,4-Trimethylbenzene	ND	0.49	"								
1,2-Dibromoethane	ND	0.77	"								
1,2-Dichlorobenzene	ND	0.60	"								
1,2-Dichloroethane	ND	0.40	"								
1,2-Dichloropropane	ND	0.46	"								
1,2-Dichlorotetrafluoroethane	ND	0.70	"								
1,3,5-Trimethylbenzene	ND	0.49	"								
1,3-Butadiene	ND	0.66	"								
1,3-Dichlorobenzene	ND	0.60	"								
1,3-Dichloropropane	ND	0.46	"								
1,4-Dichlorobenzene	ND	0.60	"								
1,4-Dioxane	ND	0.72	"								
2-Butanone	ND	0.29	"								
2-Hexanone	ND	0.82	"								
3-Chloropropene	ND	1.6	"								
4-Methyl-2-pentanone	ND	0.41	"								
Acetone	ND	0.48	"								
Acrylonitrile	ND	0.22	"								
Benzene	ND	0.32	"								
Benzyl chloride	ND	0.52	"								
Bromodichloromethane	ND	0.67	"								
Bromoform	ND	1.0	"								
Bromomethane	ND	0.39	"								
Carbon disulfide	ND	0.31	"								
Carbon tetrachloride	ND	0.16	"								
Chlorobenzene	ND	0.46	"								
Chloroethane	ND	0.26	"								
Chloroform	ND	0.49	"								
Chloromethane	ND	0.21	"								
cis-1,2-Dichloroethylene	ND	0.40	"								
cis-1,3-Dichloropropylene	ND	0.45	"								
Cyclohexane	ND	0.34	"								
Dibromochloromethane	ND	0.85	"								
Dichlorodifluoromethane	ND	0.49	"								
Ethyl acetate	ND	0.72	"								
Ethyl Benzene	ND	0.43	"								
Hexachlorobutadiene	ND	1.1	"								
Isopropanol	ND	0.49	"								
Methyl Methacrylate	ND	0.41	"								
Methyl tert-butyl ether (MTBE)	ND	0.36	"								
Methylene chloride	ND	0.69	"								
Naphthalene	ND	5.2	"								



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB91249 - EPA TO15 PREP

Blank (BB91249-BLK1)

Prepared & Analyzed: 02/26/2019

n-Heptane	ND	0.41	ug/m <sup>3</sup>								
n-Hexane	ND	0.35	"								
o-Xylene	ND	0.43	"								
p- & m- Xylenes	ND	0.87	"								
p-Ethyltoluene	ND	0.49	"								
Propylene	ND	0.17	"								
Styrene	ND	0.43	"								
Tetrachloroethylene	ND	0.17	"								
Tetrahydrofuran	ND	0.59	"								
Toluene	ND	0.38	"								
trans-1,2-Dichloroethylene	ND	0.40	"								
trans-1,3-Dichloropropylene	ND	0.45	"								
Trichloroethylene	ND	0.13	"								
Trichlorofluoromethane (Freon 11)	ND	0.56	"								
Vinyl acetate	ND	0.35	"								
Vinyl bromide	ND	0.44	"								
Vinyl Chloride	ND	0.26	"								
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	9.72		ppbv	10.0		97.2	70-130				

LCS (BB91249-BS1)

Prepared & Analyzed: 02/26/2019

1,1,1,2-Tetrachloroethane	10.1		ppbv	10.0		101	70-130				
1,1,1-Trichloroethane	10.3		"	10.0		103	70-130				
1,1,2,2-Tetrachloroethane	10.4		"	10.0		104	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4		"	10.0		104	70-130				
1,1,2-Trichloroethane	10.0		"	10.0		100	70-130				
1,1-Dichloroethane	10.4		"	10.0		104	70-130				
1,1-Dichloroethylene	10.1		"	10.0		101	70-130				
1,2,4-Trichlorobenzene	10.3		"	10.0		103	70-130				
1,2,4-Trimethylbenzene	10.3		"	10.0		103	70-130				
1,2-Dibromoethane	10.1		"	10.0		101	70-130				
1,2-Dichlorobenzene	10.6		"	10.0		106	70-130				
1,2-Dichloroethane	10.3		"	10.0		103	70-130				
1,2-Dichloropropane	10.2		"	10.0		102	70-130				
1,2-Dichlorotetrafluoroethane	10.4		"	10.0		104	70-130				
1,3,5-Trimethylbenzene	10.0		"	10.0		100	70-130				
1,3-Butadiene	9.86		"	10.0		98.6	70-130				
1,3-Dichlorobenzene	10.9		"	10.0		109	70-130				
1,3-Dichloropropane	10.2		"	10.0		102	70-130				
1,4-Dichlorobenzene	11.0		"	10.0		110	70-130				
1,4-Dioxane	9.68		"	10.0		96.8	70-130				
2-Butanone	9.95		"	10.0		99.5	70-130				
2-Hexanone	9.66		"	10.0		96.6	70-130				
3-Chloropropene	10.2		"	10.0		102	70-130				
4-Methyl-2-pentanone	9.59		"	10.0		95.9	70-130				
Acetone	9.67		"	10.0		96.7	70-130				
Acrylonitrile	10.1		"	10.0		101	70-130				
Benzene	10.1		"	10.0		101	70-130				
Benzyl chloride	12.9		"	10.0		129	70-130				
Bromodichloromethane	9.97		"	10.0		99.7	70-130				
Bromoform	10.6		"	10.0		106	70-130				
Bromomethane	9.64		"	10.0		96.4	70-130				



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting		Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD	
		Limit	Units							Limit	Flag
<b>Batch BB91249 - EPA TO15 PREP</b>											
<b>LCS (BB91249-BS1)</b>											
Prepared & Analyzed: 02/26/2019											
Carbon disulfide	10.9		ppbv	10.0		109	70-130				
Carbon tetrachloride	9.91		"	10.0		99.1	70-130				
Chlorobenzene	10.0		"	10.0		100	70-130				
Chloroethane	10.2		"	10.0		102	70-130				
Chloroform	10.3		"	10.0		103	70-130				
Chloromethane	9.39		"	10.0		93.9	70-130				
cis-1,2-Dichloroethylene	10.0		"	10.0		100	70-130				
cis-1,3-Dichloropropylene	10.7		"	10.0		107	70-130				
Cyclohexane	10.5		"	10.0		105	70-130				
Dibromochloromethane	10.2		"	10.0		102	70-130				
Dichlorodifluoromethane	10.7		"	10.0		107	70-130				
Ethyl acetate	10.8		"	10.0		108	70-130				
Ethyl Benzene	9.61		"	10.0		96.1	70-130				
Hexachlorobutadiene	9.41		"	10.0		94.1	70-130				
Isopropanol	9.94		"	10.0		99.4	70-130				
Methyl Methacrylate	10.3		"	10.0		103	70-130				
Methyl tert-butyl ether (MTBE)	10.5		"	10.0		105	70-130				
Methylene chloride	9.74		"	10.0		97.4	70-130				
Naphthalene	10.1		"	10.0		101	70-130				
n-Heptane	10.5		"	10.0		105	70-130				
n-Hexane	10.6		"	10.0		106	70-130				
o-Xylene	10.1		"	10.0		101	70-130				
p- & m- Xylenes	20.3		"	20.0		102	70-130				
p-Ethyltoluene	10.6		"	10.0		106	70-130				
Propylene	9.47		"	10.0		94.7	70-130				
Styrene	10.5		"	10.0		105	70-130				
Tetrachloroethylene	10.0		"	10.0		100	70-130				
Tetrahydrofuran	10.1		"	10.0		101	70-130				
Toluene	9.93		"	10.0		99.3	70-130				
trans-1,2-Dichloroethylene	10.6		"	10.0		106	70-130				
trans-1,3-Dichloropropylene	10.3		"	10.0		103	70-130				
Trichloroethylene	9.34		"	10.0		93.4	70-130				
Trichlorofluoromethane (Freon 11)	9.97		"	10.0		99.7	70-130				
Vinyl acetate	10.9		"	10.0		109	70-130				
Vinyl bromide	10.2		"	10.0		102	70-130				
Vinyl Chloride	9.63		"	10.0		96.3	70-130				
Surrogate: SURR: p-Bromofluorobenzene	10.2		"	10.0		102	70-130				



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BB91249 - EPA TO15 PREP</b>											
<b>Duplicate (BB91249-DUP1)</b>	*Source sample: 19B0762-01 (SV-01)						Prepared & Analyzed: 02/26/2019				
1,1,1,2-Tetrachloroethane	ND	0.94	ug/m <sup>3</sup>		ND					25	
1,1,1-Trichloroethane	ND	0.75	"		ND					25	
1,1,2,2-Tetrachloroethane	ND	0.94	"		ND					25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.1	"		ND					25	
1,1,2-Trichloroethane	ND	0.75	"		ND					25	
1,1-Dichloroethane	ND	0.56	"		ND					25	
1,1-Dichloroethylene	ND	0.54	"		ND					25	
1,2,4-Trichlorobenzene	ND	1.0	"		ND					25	
1,2,4-Trimethylbenzene	ND	0.67	"		ND					25	
1,2-Dibromoethane	ND	1.1	"		ND					25	
1,2-Dichlorobenzene	ND	0.82	"		ND					25	
1,2-Dichloroethane	ND	0.56	"		ND					25	
1,2-Dichloropropane	ND	0.63	"		ND					25	
1,2-Dichlorotetrafluoroethane	ND	0.96	"		ND					25	
1,3,5-Trimethylbenzene	ND	0.67	"		ND					25	
1,3-Butadiene	ND	0.91	"		ND					25	
1,3-Dichlorobenzene	ND	0.82	"		ND					25	
1,3-Dichloropropane	ND	0.63	"		ND					25	
1,4-Dichlorobenzene	ND	0.82	"		ND					25	
1,4-Dioxane	ND	0.99	"		ND					25	
2-Butanone	3.5	0.40	"		3.6				1.14	25	
2-Hexanone	ND	1.1	"		ND					25	
3-Chloropropene	ND	2.1	"		ND					25	
4-Methyl-2-pentanone	ND	0.56	"		ND					25	
Acetone	5.7	0.65	"		5.8				2.27	25	
Acrylonitrile	ND	0.30	"		ND					25	
Benzene	2.1	0.44	"		2.1				0.00	25	
Benzyl chloride	ND	0.71	"		ND					25	
Bromodichloromethane	ND	0.92	"		ND					25	
Bromoform	ND	1.4	"		ND					25	
Bromomethane	ND	0.53	"		ND					25	
Carbon disulfide	15	0.43	"		15				0.284	25	
Carbon tetrachloride	ND	0.22	"		ND					25	
Chlorobenzene	ND	0.63	"		ND					25	
Chloroethane	ND	0.36	"		ND					25	
Chloroform	ND	0.67	"		ND					25	
Chloromethane	ND	0.28	"		ND					25	
cis-1,2-Dichloroethylene	ND	0.54	"		ND					25	
cis-1,3-Dichloropropylene	ND	0.62	"		ND					25	
Cyclohexane	0.71	0.47	"		0.66				6.90	25	
Dibromochloromethane	ND	1.2	"		ND					25	
Dichlorodifluoromethane	1.4	0.68	"		1.5				4.65	25	
Ethyl acetate	ND	0.99	"		ND					25	
Ethyl Benzene	1.0	0.60	"		1.0				0.00	25	
Hexachlorobutadiene	ND	1.5	"		ND					25	
Isopropanol	0.91	0.67	"		0.94				3.64	25	
Methyl Methacrylate	ND	0.56	"		ND					25	
Methyl tert-butyl ether (MTBE)	ND	0.49	"		ND					25	
Methylene chloride	ND	0.95	"		ND					25	
Naphthalene	ND	7.2	"		ND					25	
n-Heptane	4.1	0.56	"		4.1				0.00	25	



**Volatile Organic Compounds in Air by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

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

**Batch BB91249 - EPA TO15 PREP**

<b>Duplicate (BB91249-DUP1)</b>	<b>*Source sample: 19B0762-01 (SV-01)</b>				<b>Prepared &amp; Analyzed: 02/26/2019</b>				
n-Hexane	1.6	0.48	ug/m <sup>3</sup>	1.7				2.90	25
o-Xylene	0.89	0.60	"	0.95				6.45	25
p- & m- Xylenes	2.7	1.2	"	2.7				0.00	25
p-Ethyltoluene	ND	0.67	"	ND					25
Propylene	1.4	0.24	"	1.4				0.00	25
Styrene	ND	0.58	"	ND					25
Tetrachloroethylene	5.7	0.23	"	5.7				0.00	25
Tetrahydrofuran	ND	0.81	"	ND					25
Toluene	14	0.52	"	14				1.87	25
trans-1,2-Dichloroethylene	ND	0.54	"	ND					25
trans-1,3-Dichloropropylene	ND	0.62	"	ND					25
Trichloroethylene	ND	0.18	"	ND					25
Trichlorofluoromethane (Freon 11)	0.77	0.77	"	0.77				0.00	25
Vinyl acetate	ND	0.48	"	ND					25
Vinyl bromide	ND	0.60	"	ND					25
Vinyl Chloride	ND	0.35	"	ND					25
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	9.98		ppbv	10.0			99.8	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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# Field Chain-of-Custody Record - AIR

YORK Project No.  
19D762

Your

Page 1 of 1

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. signature binds you to YORK's Standard Terms & Conditions.

YOUR Information		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company:	WCD Group	Company:	WCD Group	Company:	WCD Group	AB18113		RUSH - Next Day	
Address:	"	Address:	"	Address:	"	YOUR Project Name		RUSH - Two Day	
Phone:	845 452 1658	Phone:	"	Phone:	"	AB18113.20		RUSH - Three Day	
Contact:	ERICK	Contact:	ERICK	Contact:	Brenda	YOUR PO#:		RUSH - Four Day	
E-mail:		E-mail:		E-mail:				Standard (5-7 Day) <input checked="" type="checkbox"/>	

**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.**

**Report / EDD Type (circle selections)**

CT RCP  Standard Excel EDD  
 CT RCP DQA/DUE  EQUIS (Standard)  
 NY ASP A Package  NYSDEC EQUIS  
 NY ASP B Package  NJDEP SRP HazSite  
 Other:  NJDKQP

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

Sample Identification	Date/Time Sampled	Air Matrix	Please enter the following REQUIRED Field Data		Flow Cont. ID	Analysis Requested	Reporting Units: ug/m <sup>3</sup> ppbv ppmv
			Canister Vacuum Before Sampling (in Hg)	Canister Vacuum After Sampling (in Hg)			
SV-01	2/20/2019	AS	30	6	Y28	TD-15	
SV-02	2/20/2019	↓	30	7	7084	TD-15	
SV-03	↓	↓	↓	5	7418	↓	
SV-04	↓	↓	↓	3	7421	↓	

**Certified Canisters:** Batch \_\_\_\_\_ Individual \_\_\_\_\_

**Comments:**

Sample Identification	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
Christina Orone	2/21/19	Chie	2-21-19 10:15	Chie	2-21-19	Chie	2-21-19	Chie	2-21-19
G. H. H. / YORK	2-21-19/1522	G. H. H. / YORK	2-21-19/1840	G. H. H. / YORK	2-21-19/1840	K. B. B. / YORK	2-21-19	K. B. B. / YORK	2-21-19
K. B. B. / YORK	2/22/19 8:00pm	Chie	2/22/19 8:00pm	Chie	2/22/19 8:00pm	Chie	2/22/19 8:00pm	Chie	2/22/19 8:00pm

**Detection Limits Required**

≤ 1 ug/m<sup>3</sup> Routine Survey \_\_\_\_\_  
 NYSDEC V1 Limits \_\_\_\_\_  
 Other \_\_\_\_\_

**Sampling Media**

6 Liter Canister   
 Tedlar Bag \_\_\_\_\_