WCD GROUP

A GALLAGHER BASSETT COMPANY

PHASE II

ENVIRONMENTAL

SITE ASSESSMENT

11-24 Wyckoff Avenue

Borough of Queens

New York City, New York

December 19, 2018

WCD File: PQ18052.21

Environmental & Construction Risk Management

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December 19, 2018

WCD File: PQ18052.21

Prepared By:

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Prepared For:

Whitlock Group LLC
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Brooklyn, New York 11249

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

The undersigned is a Qualified Environmental Professional as defined by 6 NYCRR Part 375-1.2 (ak) and supporting documents. The undersigned possesses sufficient specific education, training, and experience necessary to exercise professional judgment to develop opinions and conclusions regarding the presence of releases or threatened releases to the surface or subsurface of the site or off-site areas, sufficient to meet the objectives and performance factors for the areas of practice identified in NYSDEC guidance document DER-10.

Paul H. Ciminello	December 19, 2018	
Qualified Environmental Professional	Date	Signature

INSTITUTE OF PROFESSIONAL ENVIRONMENTAL PRACTICE
PAUL H. CIMINELLO
QUALIFIED ENVIRONMENTAL PROFESSIONAL
No. 081300

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APPENDICES

1.0 INTRODUCTION

1.1 Purpose

This Phase II Environmental Site Assessment (Report) documents environmental fieldwork performed by WCD Group (WCD) at the property located at 11-24 Wyckoff Avenue, Borough of Queens, New York City, New York (Site). 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, below). The specific purpose of this Report is to summarize the work performed by WCD and WCD's subcontractors, and to suggest, if appropriate, further investigative and/or remedial options regarding identified on-site conditions.

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, the findings and conclusions contained herein must be considered not as scientific certainties, but as probabilities based on professional judgement.

1.3 Site Location and Description

The property is a 0.34-acre parcel located on the southern side of Wyckoff Avenue, occupied by a vacant, high one-story commercial building. [Note: For clarity of presentation, Wyckoff Avenue, which has an actual northwest/southeast orientation, is described in this Report as having an east/west orientation, and all other road and property descriptions have been likewise appropriately adjusted for descriptive purposes. All report maps indicate approximate true north.] An asphalt parking/loading area is located at the northern-central portion of the property. A Fieldwork Map indicating specific Site characteristics is provided in Appendix A.

1.4 Previous Environmental Reports

A Phase I Environmental Site Assessment (Phase I ESA) performed on the property by WCD in July 2018 identified an on-site, 2,000-gallon fuel-oil underground storage tank (UST) of unknown integrity, and historical on- and off-site commercial/industrial uses (including former on-site uses as a garage and a knitting mill, and a former filling station at an eastern adjoining property) as potential sources of contamination.

2.0 SUBSURFACE INVESTIGATION

2.1 Summary of Services

WCD extended a total of thirteen soil borings, installed four temporary soil vapor implants, and installed one permanent groundwater monitoring well at the Site and collected soil, soil vapor, and groundwater 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 fieldwork locations and 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 RKI Instruments GX-6000 or MiniRAE Lite (Model PGM 7300) 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). Soil boring logs are provided 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 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

Five mechanized soil borings were extended on the Site August 21 and 23, 2018, at the central portion of the building to the east (SB-01) and northwest (SB-02) of the UST, at the eastern portion of the building near the eastern property border (SB-03 and SB-04), and at the western portion of the building (SB-05).

An additional four mechanized and four handheld soil borings were extended on October 22, 2018. The handheld borings were located in the east (HB-01 and HB-02) and west (HB-03 and HB-04) basement areas, and the mechanized borings were located at the central portion of the building near two small floor drains (SB-06 and SB-07) and in the paved area immediately north of the building bay door (SB-08 and SB-09).

All mechanized soil borings were extended by personnel from Core Down Drilling using a track-mounted Geoprobe direct-push corer equipped with disposable acetate sleeves (used to prevent the cross contamination of soil samples). Handheld borings were extended by Core Down Drilling Personnel using a handheld Geoprobe direct push corer equipped with disposable acetate sleeves. Soil was recovered at each boring location at intervals of 2, 4 or 5 feet to a maximum depth of 20 feet below surface grade (bsg).

Subsurface soils encountered at the Site during the extension of the soil borings generally consisted of variable-texture fill materials (unsorted sands with gravel and minimal building debris to depths ranging from 2-6' bsg) overlying likely native, brown sands with trace rock.

No field evidence of contamination was observed at any boring location. Groundwater was not encountered during the extension of the soil borings.

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.

Monitoring Well Installation, Development and Sampling

Permanent monitoring well MW-01 was installed at the central portion of the building, immediately inside the bay door, to a depth of 70 feet bsg. The well was constructed of one-inch PVC casing and 0.01-inch slotted PVC well screening (screen interval from 40 to 70 feet below grade). The annular space between the well screen and the borehole was backfilled with clean #1 silica sand and a one-foot thick bentonite seal was poured above the sand. The annular space above the bentonite seal was then grouted with cement. The well casing was cut flush with the floor and equipped with a gripper cap.

Monitoring well development was conducted on November 2, 2018 in order to clear fine-grained material that might have settled around the well screen and to enhance the natural hydraulic connection between the well screen and the surrounding soils. Prior to development, the monitoring well casing was opened and the well column was immediately screened with a PID to document the presence of any volatile organic vapors. Water removed from the well was visually inspected for indications of contamination. Development was conducted using a bladder pump with dedicated plastic tubing, and was considered complete when purged water no longer appeared to be turbid and all parameters (turbidity, conductivity, pH and temperature) stabilized.

The monitoring well was sampled following well development. Water samples were collected following USEPA "Low Stress" (low flow) methodology, after field parameters stabilized during purging. No groundwater samples were filtered prior to submission to the laboratory.

A PID reading of 18.9 ppm was recorded at the top of the casing after removing the protective cap. No field evidence of contamination was observed in purged water from the well. The static groundwater level at MW-01 was measured at 62.33 feet.

Collection of Soil Vapor

Four soil vapor samples (SV-01 through SV-04) were collected from beneath the on-site building on August 21, 2018. SV-01 was collected from the western portion, SV-02 was collected from the eastern portion, SV-03 was collected from beneath the partial basement at the southeastern corner, and SV-04 was collected from the southern-central portion near the UST.

At each location, the slab was breached utilizing a concrete drill and the holes were extended to a depth of 16 inches below the top of the slab. The end of the sample stubbing (0.188-inch inner diameter Teflon) was attached to an "air stone" filter and inserted through the borehole. Clean sand was poured into the void surrounding the air stone. The holes were backfilled leaving approximately two inches of depth between the top of the sand and the ground/slab surface. The remaining space at the top of each hole was sealed off with bentonite to prevent surface air from entering the system. A properly calibrated PID was used to measure volatile organics before purging. PID readings at all four boreholes were less than 1 part per million (ppm, equivalent to milligrams per kilogram). A vacuum pump was utilized to purge the standing air from the tubing. At least three borehole and tubing volumes were purged prior to sample collection at a rate of 0.2 liters per minute. Following purging, the vapor samples were collected over a two-hour period using 6-liter stainless steel, laboratory supplied Summa canisters with two-hour calibrated flow controllers.

2.3 Laboratory Analysis

2.3.1 Standards, Criteria and/or Guidance

Soil

Laboratory results for organic 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.

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 [October 2006]). Potentially applicable matrix values and/or relatively high concentrations of VOCs are identified in the report text and in data summary tables, as warranted.

2.3.2 Sample Submission

Submission of samples for laboratory analysis was based on observations made by WCD personnel during the extension of the soil borings, including the presence or absence of elevated PID readings, unusual odors, discoloration, or, any other unusual patterns. Samples were collected from borings SB-01 and SB-02 from the 13-15' interval (beneath the likely invert of the 2,000-gallon UST). Samples from all remaining borings were collected from the bottom 2' interval of the boring.

Soil samples SB-01 through SB-05 were analyzed for volatile organic compounds (VOCs) using USEPA Method 8260, and polycyclic aromatic hydrocarbons (PAHs) using USEPA Method 8270. Samples SB-06 through SB-09, and HB-01 through HB-04 were analyzed for VOCs only (halogenated compounds list).

Soil vapor samples were analyzed for VOCs using USEPA Method TO-15.

2.3.3 Laboratory Results

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 ($\mu g/m^3$) for soil vapor. Data summary tables and the laboratory reports are provided as Appendices C and D, respectively.

SOIL

VOCs

Trace-level concentrations of the chlorinated solvent tetrachloroethylene (PCE, peak level of 0.0041 ppm, UU SCO 1.3 ppm) were detected in SB-06 4-5 and SB-07 4-5. Trace-level concentrations of several other chlorinated solvents (1,1,1-trichloroethane and chloroform) were also detected in SB-07 4-5. No other VOCs were detected in any of the soil samples.

PAHs

No PAHs were detected above SCOs. Trace- to low-level concentrations of several PAHs were detected in SB-03 5-7 and SB-04 5-7.

GROUNDWATER

Elevated concentrations of PCE (150 ppb, AWQS 5 ppb), trichloroethylene (TCE; 5.3 ppb, AWQS 5 ppb) and toluene (11 ppb, AWQS 5 ppb) were detected in MW-01. Low-level concentrations of several other solvents (1,1,1,2-tetrachloroethane, 1,1,1-trichloroethane, chloroform and cis-1,2-dichloroethylene) and petroleum compounds (1,2,4-trimethylbenzene and xylenes) were also detected in MW-01 below AWQS.

SOIL VAPOR

Relatively elevated concentrations of PCE were detected in SV-03 (2,700 µg/m^3) and SV-04 (1,700 µg/m^3). A relatively elevated concentration of 1,1,1-trichloroethane (1,1,1-TCA; an industrial solvent) was also detected at SV-04 (620 µg/m^3). Low-level concentrations of numerous other VOCs typically encountered in urban settings were detected in all samples.

3.0 CONCLUSIONS AND RECOMMENDATIONS

This office has completed the services summarized in Section 2.0 on specified portions of the property located at 11-24 Wyckoff Avenue, Borough of Queens, New York City, New York. Services included the extension of thirteen soil borings, installation of four temporary soil vapor implants, installation of one permanent groundwater well, and collection of soil, soil vapor, and groundwater samples to document the presence or absence of contamination resulting from an on-site underground storage tank (UST) of unknown integrity and from historical on- and off-site historical commercial/industrial uses.

Based on the services provided and data generated, the following conclusions and recommendations (in **bold**) have been made.

1. No field evidence of petroleum contamination was encountered in two soil borings extended in the vicinity of the on-site 2,000-gallon fuel-oil UST and laboratory data document an absence of volatile organic compounds (VOCs) and polycyclic aromatic hydrocarbons (PAHs). These findings support the conclusion that no significant releases have occurred in the vicinity of the UST.

   No further investigation is recommended. The UST should be removed from the property or be closed-in-place, in accordance with applicable regulations.

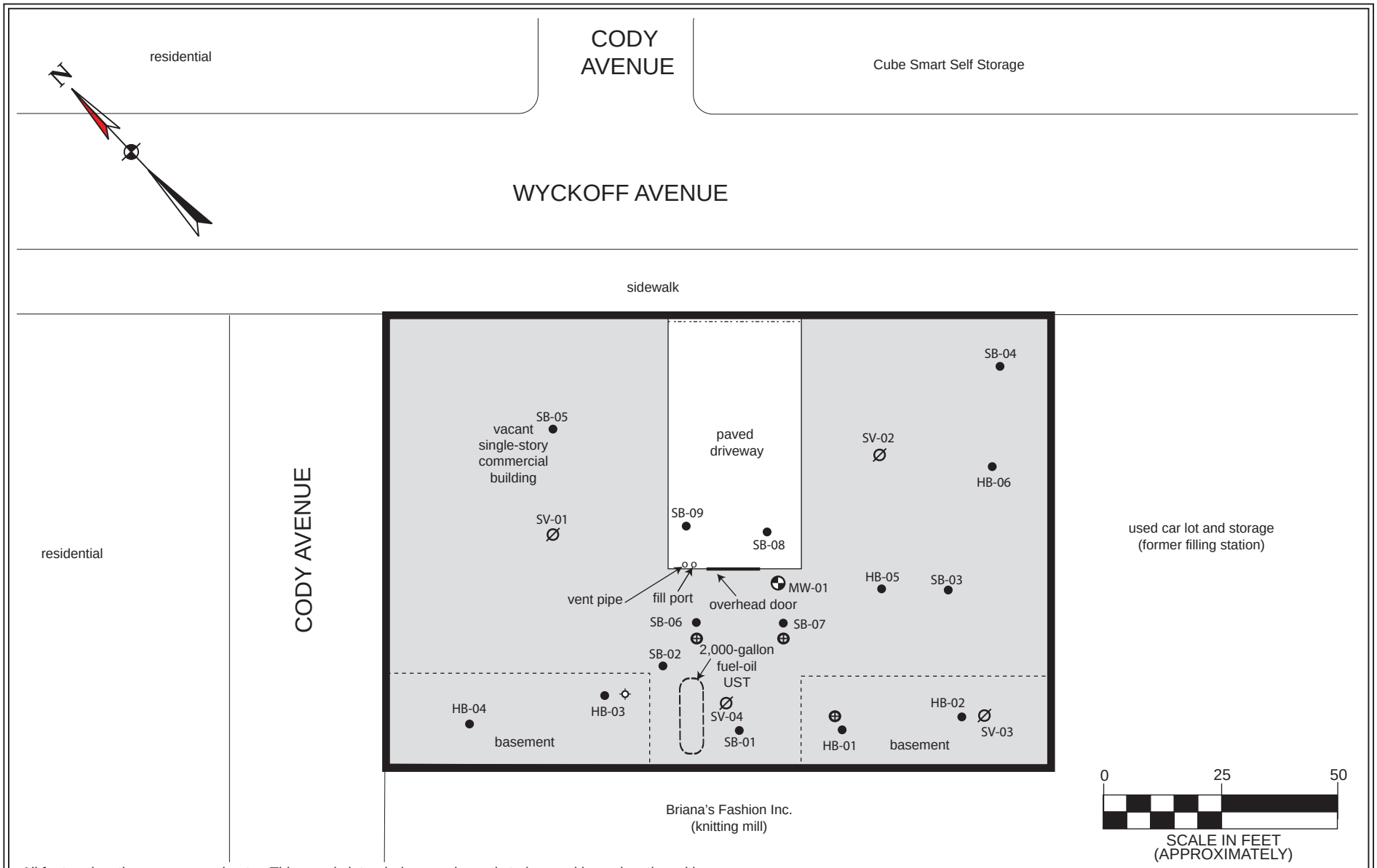
2. Trace-level concentrations of tetrachloroethene (PCE) and 1,1,1-trichloroethane (1,1,1-TCA) were detected in soil samples at the central portion of the building at approximately 5' feet below surface grade, suggesting historical on-site use of these compounds. PCE and 1,1,1-TCA were also detected at relatively elevated concentrations in soil vapor samples beneath the southeastern and southern-central portions of the property, and PCE and trichloroethene (TCE) were detected at elevated levels in on-site groundwater at the central portion of the property. There is insufficient data to determine the source of documented on-site contamination, which may have arisen from on-site releases or may be the result of the migration of off-site contaminated groundwater onto the subject property.

   The following actions are recommended:

   - **Additional groundwater investigation should be conducted to determine: a) the likely source of solvent contamination; and, b) if contamination from an on-site release is likely to be impacting off-site, downgradient adjoining properties.**
   - **In the event of future occupancy of the building, installation of a sub-slab depressurization system (SSDS) is recommended to prevent vapor intrusion into interior spaces.**

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

11-24 Wyckoff Avenue
Borough of Queens, New York

Legend:
- subject property border
- chain link fence
- sump
- floor drain
- boring locations
- soil vapor locations
- monitoring well location

WCD File: PQ18052.21
December 2018
Scale as shown
Appendix A

APPENDIX B

Boring Logs

Soil Boring Log

SB-01 (SHEET 1 OF 1)	Phase II Environmental Site Assessment 11-24 Wyckoff Avenue, Queens, New York	WCD FILE PQ18052.21
	DATE: 2018-08-21 DRILLER (RIG) Core Down Drilling (7822DT Geoprobe, 5' macrocore)	
	WCD STAFF: T. Goodnough WEATHER: Sunny, 85°F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: CONCRETE + GRAVEL (6-8") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 5' (40%)	White/tan, M-C SAND	Dry	0.0	ND	ND	ND	
	Dark brown/orange, M-F SAND with trace gravel	Dry	0.0	ND	ND	ND	
5 – 10' (25%)	Gray/brown, M-F SAND with trace gravel	Dry	0.0	ND	ND	ND	
10 – 15' (60%)	Brown, M-F SAND with trace rock at ~14'	Dry	0.0	Faint	ND	ND	**13-15**
15 – 20' (50%)	Brown, M-F SAND with trace rock ****** End of Boring at 20' *****	Dry	0.0	ND	ND	ND	

Notes

Fill Materials

Potential fill from ~0 - 7'

Field Evidence of Contamination

Not encountered

Saturated Soils

Not 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 Site Assessment 11-24 Wyckoff Avenue, Queens, New York	WCD FILE PQ18052.21
	DATE: 2018-08-21 DRILLER (RIG) Core Down Drilling (7822DT Geoprobe, 5' macrocore)	
	WCD STAFF: T. Goodnough WEATHER: Sunny, 85°F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: CONCRETE + GRAVEL (6-8") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 5' (50%)	Dark brown/orange, M-F SAND with patches of SILT and trace rock and gravel	Dry	0.0	ND	ND	ND	
5 – 10' (50%)	Brown/orange, M-F SAND with trace rock and gravel	Dry	0.0	ND	ND	ND	
10 – 15' (75%)	Brown, M-F SAND	Dry	0.0	ND	ND	ND	**13-15**
15 – 20' (40%)	Brown, M-F SAND becoming more C SAND at ~20' ****** End of Boring at 20' *****	Dry	0.0	ND	ND	ND	

Notes

Fill Materials

Potential fill from ~0 - 5'

Field Evidence of Contamination

Not encountered

Saturated Soils

Not 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-03 (Sheet 1 of 1)	Phase II Environmental Site Assessment 11-24 Wyckoff Avenue, Queens, New York	WCD File PQ18052.21
	Date: 2018-08-23 Driller (Rig) Core Down Drilling (Geoprobe, 4' macrocore)	
	WCD Staff: B. Silveri Weather: Sunny, 85°F	

Boring Interval (Recovery)	Surface Material: Plywood + Concrete (1') Soil / Material Description	Moisture	PID (ppm)	Odors	Staining	NAPL	Samples Collected
0 – 4' (50%)	Brown/gray, M-F SAND with trace rock	Dry	0.0	ND	ND	ND	
	Light gray/brown, M-F SAND with trace rock	Dry	0.0	ND	ND	ND	
4 – 8' (50%)	Brown, M-F SAND with trace rock	Dry	0.0	ND	ND	ND	**5-7**
	****** End of Boring at 7' - Refusal *****						

Notes

Fill Materials

Potential fill from ~0 - 2'

Field Evidence of Contamination

Not encountered

Saturated Soils

Not encountered

Field Notes

Two other attempts made in vicinity – shallow refusal at each location (~2-3')

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 Site Assessment 11-24 Wyckoff Avenue, Queens, New York	WCD FILE PQ18052.21
	DATE: 2018-08-23 DRILLER (RIG) Core Down Drilling (Geoprobe, 4' macrocore)	
	WCD STAFF: B. Silveri WEATHER: Sunny, 85°F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: PLYWOOD + CONCRETE (6") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 4' (40%)	Brown, variable texture SAND with brick and stone	Dry	0.0	ND	ND	ND	
	Brown, M-F SAND with trace gravel	Dry	0.0	ND	ND	ND	
4 – 8' (40%)	Brown, M-F SAND with trace gravel	Dry	0.0	ND	ND	ND	**5-7**
	****** End of Boring at 7' – Refusal*****						

Notes

Fill Materials

Potential fill from ~0 - 5'

Field Evidence of Contamination

Not encountered

Saturated Soils

Not 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-05 (Sheet 1 of 1)	Phase II Environmental Site Assessment 11-24 Wyckoff Avenue, Queens, New York	WCD File PQ18052.21
	Date: 2018-08-23 Driller (Rig) Core Down Drilling (Geoprobe, 4' macrocore)	
	WCD Staff: B. Silveri Weather: Sunny, 85°F	

Boring Interval (recovery)	Surface Material: Plywood + Concrete (6") Soil / Material Description	Moisture	PID (ppm)	Odors	Staining	NAPL	Samples Collected
0 – 4' (30%)	Gray/brown, variable texture SAND with trace rock	Dry	0.0	ND	ND	ND	
4 – 8' (40%)	Gray/brown, variable texture SAND with trace rock Brown, M-F SAND with trace rock	Dry Dry	0.0 0.0	ND ND	ND ND	ND ND	
8 – 12' (25%)	Brown, M-F SAND ****** End of Boring at 11.5' – Refusal *****	Dry	0.0	ND	ND	ND	**9.5-11.5**

Notes

Fill Materials

Potential fill materials from ~0 - 6'

Field Evidence of Contamination

Not encountered

Saturated Soils

Not encountered

Field Notes

One other attempt made in vicinity – shallow refusal at (~3') with apparent coal cinders in bottom of sleeve

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 Site Assessment 11-24 Wyckoff Avenue, Queens, New York	*WCD FILE PQ18052.21*
	DATE: 2018-10-22 DRILLER (RIG) Core Down Drilling (Geoprobe, 5' macrocore)	
	WCD STAFF: T. Goodnough WEATHER: Cloudy, 50°F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: PLYWOOD + CONCRETE (6") **SOIL / MATERIAL DESCRIPTION**	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 5' (40%)	Variable color, variable texture SAND with debris (concrete, masonry, gravel) ****** End of Boring at 5' *****	Dry	0.0	ND	ND	ND	**4-5**

Notes

Fill Materials

Potential fill materials from ~0 - 5'

Field Evidence of Contamination

Not encountered

Saturated Soils

Not 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-07 (SHEET 1 OF 1)	Phase II Environmental Site Assessment 11-24 Wyckoff Avenue, Queens, New York	WCD FILE PQ18052.21
	DATE: 2018-10-22 DRILLER (RIG) Core Down Drilling (Geoprobe, 5' macrocore)	
	WCD STAFF: T. Goodnough WEATHER: Cloudy, 50°F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: PLYWOOD + CONCRETE (6") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 5' (50%)	Variable color, variable texture SAND with trace gravel ****** End of Boring at 5' *****	Moist	0.0	ND	ND	ND	**4-5**

Notes

Fill Materials

Potential fill materials from ~0 - 5'

Field Evidence of Contamination

Not encountered

Saturated Soils

Not 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-08 (SHEET 1 OF 1)	Phase II Environmental Site Assessment 11-24 Wyckoff Avenue, Queens, New York	WCD FILE PQ18052.21
	DATE: 2018-10-22 DRILLER (RIG) Core Down Drilling (Geoprobe, 5' macrocore)	
	WCD STAFF: T. Goodnough WEATHER: Cloudy, 50°F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: PLYWOOD + CONCRETE (6") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 5' (40%)	Variable color, variable texture SAND with drbris (gravel, rock fragments, brick) ****** End of Boring at 5' *****	Dry	0.0	ND	ND	ND	**4-5**

Notes

Fill Materials

Potential fill materials from ~0 - 5'

Field Evidence of Contamination

Not encountered

Saturated Soils

Not 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-09 (SHEET 1 OF 1)	Phase II Environmental Site Assessment 11-24 Wyckoff Avenue, Queens, New York	WCD FILE PQ18052.21
	DATE: 2018-10-22 DRILLER (RIG) Core Down Drilling (Geoprobe, 5' macrocore)	
	WCD STAFF: T. Goodnough WEATHER: Cloudy, 50°F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: PLYWOOD + CONCRETE (6") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 5' (40%)	Variable color, variable texture SAND with drbris (gravel, rock fragments, brick) ****** End of Boring at 5' *****	Dry	0.0	ND	ND	ND	**4-5**

Notes

Fill Materials

Potential fill materials from ~0 - 5'

Field Evidence of Contamination

Not encountered

Saturated Soils

Not 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

HB-01 (SHEET 1 OF 1)	Phase II Environmental Site Assessment 11-24 Wyckoff Avenue, Queens, New York	WCD FILE PQ18052.21
	DATE: 2018-10-22 DRILLER (RIG) Core Down Drilling (Manual Geoprobe, 2' macrocore)	
	WCD STAFF: T. Goodnough WEATHER: Cloudy, 50°F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: PLYWOOD + CONCRETE (6") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 2' (40%)	Variable color, variable texture SAND with large rock fragments Brown, M-F SAND	Dry Dry	0.0 0.0	ND ND	ND ND	ND ND	
2 – 4' (40%)	Brown, M-F SAND ****** End of Boring at 3' – Refusal *****	Dry	0.0	ND	ND	ND	**2-3**

Notes

Fill Materials

Potential fill materials from ~0 - 3'

Field Evidence of Contamination

Not encountered

Saturated Soils

Not 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

HB-02 (SHEET 1 OF 1)	Phase II Environmental Site Assessment 11-24 Wyckoff Avenue, Queens, New York	WCD FILE PQ18052.21
	DATE: 2018-10-22 DRILLER (RIG) Core Down Drilling (Manual Geoprobe, 2' macrocore)	
	WCD STAFF: T. Goodnough WEATHER: Cloudy, 50°F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: PLYWOOD + CONCRETE (6") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 2' (40%)	Brown/orange, M SAND turning brown	Dry	0.0	ND	ND	ND	
2 – 4' (40%)	Brown, M-F SAND with black rock fragments ****** End of Boring at 3' – Refusal *****	Dry	0.0	ND	ND	ND	**2-3**

Notes

Fill Materials

Potential fill materials from ~0 - 3'

Field Evidence of Contamination

Not encountered

Saturated Soils

Not 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

HB-03 (SHEET 1 OF 1)	Phase II Environmental Site Assessment 11-24 Wyckoff Avenue, Queens, New York	WCD FILE PQ18052.21
	DATE: 2018-10-22 DRILLER (RIG) Core Down Drilling (Manual Geoprobe, 2' macrocore)	
	WCD STAFF: T. Goodnough WEATHER: Cloudy, 50°F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: PLYWOOD + CONCRETE (6") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 2' (40%)	Brown, C SAND turning M-F	Dry	0.0	ND	ND	ND	
2 – 4' (40%)	Brown, M-F SAND ****** End of Boring at 4' – Refusal *****	Dry	0.0	ND	ND	ND	**3-4**

Notes

Fill Materials

Potential fill materials from ~0 - 3'

Field Evidence of Contamination

Not encountered

Saturated Soils

Not 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

HB-04 (SHEET 1 OF 1)	Phase II Environmental Site Assessment 11-24 Wyckoff Avenue, Queens, New York	WCD FILE PQ18052.21
	DATE: 2018-10-22 DRILLER (RIG) Core Down Drilling (Manual Geoprobe, 2' macrocore)	
	WCD STAFF: T. Goodnough WEATHER: Cloudy, 50°F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: PLYWOOD + CONCRETE (6") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 2' (40%)	No recovery	NA	NA	NA	NA	NA	
2 – 4' (40%)	Brown, M-F SAND with trace gravel ****** End of Boring at 4' – Refusal *****	Dry	0.0	ND	ND	ND	**3-4**

Notes

Fill Materials

Potential fill materials from ~0 - 3'

Field Evidence of Contamination

Not encountered

Saturated Soils

Not 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

HB-05 (SHEET 1 OF 1)	Phase II Environmental Site Assessment 11-24 Wyckoff Avenue, Queens, New York	WCD FILE PQ18052.21
	DATE: 2018-10-22 DRILLER (RIG) Core Down Drilling (Manual Geoprobe, 2' macrocore)	
	WCD STAFF: T. Goodnough WEATHER: Cloudy, 50°F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: PLYWOOD + CONCRETE (6") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 2' (40%)	Variable color, variable texture SAND with trace debris (brick, ash, glass, rock)	Dry	0.0	ND	ND	ND	
2 – 4' (40%)	Variable color, variable texture SAND with trace debris (brick, ash, glass, rock) Dark brown, F SAND	Dry Dry	0.0 0.0	ND ND	ND ND	ND ND	
4 – 6' (40%)	Brown/orange, M-F SAND ****** End of Boring at 6' – Refusal *****	Dry	0.0	ND	ND	ND	**5-6**

Notes

Fill Materials

Potential fill materials from ~0 - 6'

Field Evidence of Contamination

Not encountered

Saturated Soils

Not 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

HB-06 (SHEET 1 OF 1)	Phase II Environmental Site Assessment 11-24 Wyckoff Avenue, Queens, New York	WCD FILE PQ18052.21
	DATE: 2018-10-22 DRILLER (RIG) Core Down Drilling (Manual Geoprobe, 2' macrocore)	
	WCD STAFF: T. Goodnough WEATHER: Cloudy, 50°F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: PLYWOOD + CONCRETE (6") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 2' (40%)	Brown, M-F SAND with trace gravel	Dry	0.0	ND	ND	ND	
2 – 4' (40%)	Brown, M-F SAND with trace gravel	Dry	0.0	ND	ND	ND	
4 – 6' (40%)	Brown, M-F SAND with trace gravel ****** End of Boring at 5' – Refusal *****	Dry	0.0	ND	ND	ND	**4-5**

Notes

Fill Materials

Potential fill materials from ~0 - 3'

Field Evidence of Contamination

Not encountered

Saturated Soils

Not 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: PQ18052.21

All data in mg/Kg (ppm)	**Sample ID**	**SB-01 13-15**		**SB-02 13-15**		**SB-03 5-7**		**SB-04 5-7**	
U= Not Detected ≥ indicated value	Sample Date	(2018-08-21)		(2018-08-21)		(2018-08-23)		(2018-08-23)	
Data above SCOs shown in **Bold**	Dilution Factor	1		1		1		1	
VOCs, 8260	**UUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-Tetrachloroethane	NA	0.0025	*U*	0.0024	*U*	0.0033	*U*	0.0029	*U*
1,1,1-Trichloroethane	0.68	0.0025	*U*	0.0024	*U*	0.0033	*U*	0.0029	*U*
1,1,2,2-Tetrachloroethane	NA	0.0025	*U*	0.0024	*U*	0.0033	*U*	0.0029	*U*
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	0.0025	*U*	0.0024	*U*	0.0033	*U*	0.0029	*U*
1,1,2-Trichloroethane	NA	0.0025	*U*	0.0024	*U*	0.0033	*U*	0.0029	*U*
1,1-Dichloroethane	0.27	0.0025	*U*	0.0024	*U*	0.0033	*U*	0.0029	*U*
1,1-Dichloroethylene (1,1-DCE)	0.33	0.0025	*U*	0.0024	*U*	0.0033	*U*	0.0029	*U*
1,2,3-Trichlorobenzene	NA	0.0025	*U*	0.0024	*U*	0.0033	*U*	0.0029	*U*
1,2,3-Trichloropropane	NA	0.0025	*U*	0.0024	*U*	0.0033	*U*	0.0029	*U*
1,2,4-Trichlorobenzene	NA	0.0025	*U*	0.0024	*U*	0.0033	*U*	0.0029	*U*
1,2,4-Trimethylbenzene	3.6	0.0025	*U*	0.0024	*U*	0.0033	*U*	0.0029	*U*
1,2-Dibromo-3-chloropropane	NA	0.0025	*U*	0.0024	*U*	0.0033	*U*	0.0029	*U*
1,2-Dibromoethane	NA	0.0025	*U*	0.0024	*U*	0.0033	*U*	0.0029	*U*
1,2-Dichlorobenzene	1.1	0.0025	*U*	0.0024	*U*	0.0033	*U*	0.0029	*U*
1,2-Dichloroethane	0.02	0.0025	*U*	0.0024	*U*	0.0033	*U*	0.0029	*U*
1,2-Dichloropropane	NA	0.0025	*U*	0.0024	*U*	0.0033	*U*	0.0029	*U*
1,3,5-Trimethylbenzene	8.4	0.0025	*U*	0.0024	*U*	0.0033	*U*	0.0029	*U*
1,3-Dichlorobenzene	2.4	0.0025	*U*	0.0024	*U*	0.0033	*U*	0.0029	*U*
1,4-Dichlorobenzene	1.8	0.0025	*U*	0.0024	*U*	0.0033	*U*	0.0029	*U*
1,4-Dioxane	0.1	0.05	*U*	0.049	*U*	0.065	*U*	0.057	*U*
2-Butanone (MEK)	0.12	0.0025	*U*	0.0024	*U*	0.0033	*U*	0.0029	*U*
2-Hexanone	NA	0.0025	*U*	0.0024	*U*	0.0033	*U*	0.0029	*U*
4-Methyl-2-pentanone	NA	0.0025	*U*	0.0024	*U*	0.0033	*U*	0.0029	*U*
Acetone	0.05	0.005	*U*	0.0049	*U*	0.0065	*U*	0.0057	*U*
Acrolein	NA	0.005	*U*	0.0049	*U*	0.0065	*U*	0.0057	*U*
Acrylonitrile	NA	0.0025	*U*	0.0024	*U*	0.0033	*U*	0.0029	*U*
Benzene	0.06	0.0025	*U*	0.0024	*U*	0.0033	*U*	0.0029	*U*
Bromochloromethane	NA	0.0025	*U*	0.0024	*U*	0.0033	*U*	0.0029	*U*
Bromodichloromethane	NA	0.0025	*U*	0.0024	*U*	0.0033	*U*	0.0029	*U*
Bromoform	NA	0.0025	*U*	0.0024	*U*	0.0033	*U*	0.0029	*U*
Bromomethane	NA	0.0025	*U*	0.0024	*U*	0.0033	*U*	0.0029	*U*
Carbon disulfide	NA	0.0025	*U*	0.0024	*U*	0.0033	*U*	0.0029	*U*
Carbon tetrachloride	0.76	0.0025	*U*	0.0024	*U*	0.0033	*U*	0.0029	*U*
Chlorobenzene	1.1	0.0025	*U*	0.0024	*U*	0.0033	*U*	0.0029	*U*
Chloroethane	NA	0.0025	*U*	0.0024	*U*	0.0033	*U*	0.0029	*U*
Chloroform	0.37	0.0025	*U*	0.0024	*U*	0.0033	*U*	0.0029	*U*
Chloromethane	NA	0.0025	*U*	0.0024	*U*	0.0033	*U*	0.0029	*U*
cis-1,2-Dichloroethylene (cis-DCE)	0.25	0.0025	*U*	0.0024	*U*	0.0033	*U*	0.0029	*U*
cis-1,3-Dichloropropylene	NA	0.0025	*U*	0.0024	*U*	0.0033	*U*	0.0029	*U*
Cyclohexane	NA	0.0025	*U*	0.0024	*U*	0.0033	*U*	0.0029	*U*
Dibromochloromethane	NA	0.0025	*U*	0.0024	*U*	0.0033	*U*	0.0029	*U*
Dibromomethane	NA	0.0025	*U*	0.0024	*U*	0.0033	*U*	0.0029	*U*
Dichlorodifluoromethane	NA	0.0025	*U*	0.0024	*U*	0.0033	*U*	0.0029	*U*
Ethyl Benzene	1	0.0025	*U*	0.0024	*U*	0.0033	*U*	0.0029	*U*
Hexachlorobutadiene	NA	0.0025	*U*	0.0024	*U*	0.0033	*U*	0.0029	*U*
Isopropylbenzene	2.3	0.0025	*U*	0.0024	*U*	0.0033	*U*	0.0029	*U*
Methyl acetate	NA	0.0025	*U*	0.0024	*U*	0.0033	*U*	0.0029	*U*
Methyl tert-butyl ether (MTBE)	0.93	0.0025	*U*	0.0024	*U*	0.0033	*U*	0.0029	*U*
Methylcyclohexane	NA	0.0025	*U*	0.0024	*U*	0.0033	*U*	0.0029	*U*
Methylene chloride	0.05	0.005	*U*	0.0049	*U*	0.0065	*U*	0.0057	*U*
n-Butylbenzene	12	0.0025	*U*	0.0024	*U*	0.0033	*U*	0.0029	*U*
n-Propylbenzene	3.9	0.0025	*U*	0.0024	*U*	0.0033	*U*	0.0029	*U*
o-Xylene	0.26	0.0025	*U*	0.0024	*U*	0.0033	*U*	0.0029	*U*
p- & m- Xylenes	0.26	0.005	*U*	0.0049	*U*	0.0065	*U*	0.0057	*U*
p-Isopropyltoluene	10	0.0025	*U*	0.0024	*U*	0.0033	*U*	0.0029	*U*
sec-Butylbenzene	11	0.0025	*U*	0.0024	*U*	0.0033	*U*	0.0029	*U*
Styrene	NA	0.0025	*U*	0.0024	*U*	0.0033	*U*	0.0029	*U*
tert-Butyl alcohol (TBA)	NA	0.0025	*U*	0.0024	*U*	0.0033	*U*	0.0029	*U*
tert-Butylbenzene	5.9	0.0025	*U*	0.0024	*U*	0.0033	*U*	0.0029	*U*
Tetrachloroethylene (PCE)	1.3	0.0025	*U*	0.0024	*U*	0.0033	*U*	0.0029	*U*
Toluene	0.7	0.0025	*U*	0.0024	*U*	0.0033	*U*	0.0029	*U*
trans-1,2-Dichloroethylene (trans-DCE)	0.19	0.0025	*U*	0.0024	*U*	0.0033	*U*	0.0029	*U*
trans-1,3-Dichloropropylene	NA	0.0025	*U*	0.0024	*U*	0.0033	*U*	0.0029	*U*
Trichloroethylene (TCE)	0.47	0.0025	*U*	0.0024	*U*	0.0033	*U*	0.0029	*U*
Trichlorofluoromethane	NA	0.0025	*U*	0.0024	*U*	0.0033	*U*	0.0029	*U*
Vinyl chloride (VC)	0.02	0.0025	*U*	0.0024	*U*	0.0033	*U*	0.0029	*U*
Xylenes, Total	0.26	0.0076	*U*	0.0073	*U*	0.0098	*U*	0.0086	*U*

Analyte Detected

Analyte Above UUSCO

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: PQ18052.21

All data in mg/Kg (ppm)	**Sample ID**	**SB-05 9.5-11.5**	
U= Not Detected ≥ indicated value	Sample Date	(2018-08-23)	
Data above SCOs shown in **Bold**	Dilution Factor	1	
VOCs, 8260	**UUSCO**	*Result*	*Qualifier*
1,1,1,2-Tetrachloroethane	NA	0.0026	*U*
1,1,1-Trichloroethane	0.68	0.0026	*U*
1,1,2,2-Tetrachloroethane	NA	0.0026	*U*
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	0.0026	*U*
1,1,2-Trichloroethane	NA	0.0026	*U*
1,1-Dichloroethane	0.27	0.0026	*U*
1,1-Dichloroethylene (1,1-DCE)	0.33	0.0026	*U*
1,2,3-Trichlorobenzene	NA	0.0026	*U*
1,2,3-Trichloropropane	NA	0.0026	*U*
1,2,4-Trichlorobenzene	NA	0.0026	*U*
1,2,4-Trimethylbenzene	3.6	0.0026	*U*
1,2-Dibromo-3-chloropropane	NA	0.0026	*U*
1,2-Dibromoethane	NA	0.0026	*U*
1,2-Dichlorobenzene	1.1	0.0026	*U*
1,2-Dichloroethane	0.02	0.0026	*U*
1,2-Dichloropropane	NA	0.0026	*U*
1,3,5-Trimethylbenzene	8.4	0.0026	*U*
1,3-Dichlorobenzene	2.4	0.0026	*U*
1,4-Dichlorobenzene	1.8	0.0026	*U*
1,4-Dioxane	0.1	0.053	*U*
2-Butanone (MEK)	0.12	0.0026	*U*
2-Hexanone	NA	0.0026	*U*
4-Methyl-2-pentanone	NA	0.0026	*U*
Acetone	0.05	0.0053	*U*
Acrolein	NA	0.0053	*U*
Acrylonitrile	NA	0.0026	*U*
Benzene	0.06	0.0026	*U*
Bromochloromethane	NA	0.0026	*U*
Bromodichloromethane	NA	0.0026	*U*
Bromoform	NA	0.0026	*U*
Bromomethane	NA	0.0026	*U*
Carbon disulfide	NA	0.0026	*U*
Carbon tetrachloride	0.76	0.0026	*U*
Chlorobenzene	1.1	0.0026	*U*
Chloroethane	NA	0.0026	*U*
Chloroform	0.37	0.0026	*U*
Chloromethane	NA	0.0026	*U*
cis-1,2-Dichloroethylene (cis-DCE)	0.25	0.0026	*U*
cis-1,3-Dichloropropylene	NA	0.0026	*U*
Cyclohexane	NA	0.0026	*U*
Dibromochloromethane	NA	0.0026	*U*
Dibromomethane	NA	0.0026	*U*
Dichlorodifluoromethane	NA	0.0026	*U*
Ethyl Benzene	1	0.0026	*U*
Hexachlorobutadiene	NA	0.0026	*U*
Isopropylbenzene	2.3	0.0026	*U*
Methyl acetate	NA	0.0026	*U*
Methyl tert-butyl ether (MTBE)	0.93	0.0026	*U*
Methylcyclohexane	NA	0.0026	*U*
Methylene chloride	0.05	0.0053	*U*
n-Butylbenzene	12	0.0026	*U*
n-Propylbenzene	3.9	0.0026	*U*
o-Xylene	0.26	0.0026	*U*
p- & m- Xylenes	0.26	0.0053	*U*
p-Isopropyltoluene	10	0.0026	*U*
sec-Butylbenzene	11	0.0026	*U*
Styrene	NA	0.0026	*U*
tert-Butyl alcohol (TBA)	NA	0.0026	*U*
tert-Butylbenzene	5.9	0.0026	*U*
Tetrachloroethylene (PCE)	1.3	0.0026	*U*
Toluene	0.7	0.0026	*U*
trans-1,2-Dichloroethylene (trans-DCE)	0.19	0.0026	*U*
trans-1,3-Dichloropropylene	NA	0.0026	*U*
Trichloroethylene (TCE)	0.47	0.0026	*U*
Trichlorofluoromethane	NA	0.0026	*U*
Vinyl chloride (VC)	0.02	0.0026	*U*
Xylenes, Total	0.26	0.0079	*U*

Analyte Detected

Analyte Above UUSCO

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 in Soils

WCD File: PQ18052.20

All data in mg/Kg (ppm)	**Sample ID**	**SB-01 13-15**		**SB-02 13-15**		**SB-03 5-7**		**SB-04 5-7**		**SB-05 9.5-11.5**	
U= Not Detected ≥ indicated value	Sample Date	(2018-08-21)		(2018-08-21)		(2018-08-23)		(2018-08-23)		(2018-08-23)	
Data above SCOs shown in **Bold**	Dilution Factor	2		2		2		2		2	
SVOCs, 8270	**UUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
2-Methylnaphthalene	NA	0.0432	*U*	0.0431	*U*	0.0501	*U*	0.0458	*U*	0.0432	*U*
Acenaphthene	20	0.0432	*U*	0.0431	*U*	0.0501	*U*	0.0458	*U*	0.0432	*U*
Acenaphthylene	100	0.0432	*U*	0.0431	*U*	0.0501	*U*	0.0458	*U*	0.0432	*U*
Anthracene	100	0.0432	*U*	0.0431	*U*	0.0501	*U*	0.0461	*JD*	0.0432	*U*
Benzo(a)anthracene	1	0.0432	*U*	0.0431	*U*	0.0856	*JD*	0.284	*D*	0.0432	*U*
Benzo(a)pyrene	1	0.0432	*U*	0.0431	*U*	0.122	*D*	0.316	*D*	0.0432	*U*
Benzo(b)fluoranthene	1	0.0432	*U*	0.0431	*U*	0.12	*D*	0.306	*D*	0.0432	*U*
Benzo(g,h,i)perylene	100	0.0432	*U*	0.0431	*U*	0.0776	*JD*	0.193	*D*	0.0432	*U*
Benzo(k)fluoranthene	0.8	0.0432	*U*	0.0431	*U*	0.114	*D*	0.274	*D*	0.0432	*U*
Chrysene	1	0.0432	*U*	0.0431	*U*	0.136	*D*	0.279	*D*	0.0432	*U*
Dibenzo(a,h)anthracene	0.33	0.0432	*U*	0.0431	*U*	0.0501	*U*	0.057	*JD*	0.0432	*U*
Fluoranthene	100	0.0432	*U*	0.0431	*U*	0.314	*D*	0.455	*D*	0.0432	*U*
Fluorene	30	0.0432	*U*	0.0431	*U*	0.0501	*U*	0.0458	*U*	0.0432	*U*
Indeno(1,2,3-cd)pyrene	0.5	0.0432	*U*	0.0431	*U*	0.0656	*JD*	0.2	*D*	0.0432	*U*
Naphthalene	12	0.0432	*U*	0.0431	*U*	0.0501	*U*	0.0458	*U*	0.0432	*U*
Phenanthrene	100	0.0432	*U*	0.0431	*U*	0.192	*D*	0.224	*D*	0.0432	*U*
Pyrene	100	0.0432	*U*	0.0431	*U*	0.228	*D*	0.393	*D*	0.0432	*U*

Analyte Detected

Analyte Above UUSCO

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 1A: VOCs in Soils

WCD File: PQ18052.21

All data in mg/Kg (ppm)	**Sample ID**	**HB-01 2-3**		**HB-02 2-3**		**HB-03 3-4**	
U= Not Detected ≥ indicated value	Sample Date	(2018-10-22)		(2018-10-22)		(2018-10-22)	
Data above SCOs shown in **Bold**	Dilution Factor	1		1		1	
VOCs, 8260	**UUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-Tetrachloroethane	NA	0.0026	*U*	0.0029	*U*	0.0024	*U*
1,1,1-Trichloroethane	0.68	0.0026	*U*	0.0029	*U*	0.0024	*U*
1,1,2,2-Tetrachloroethane	NA	0.0026	*U*	0.0029	*U*	0.0024	*U*
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	0.0026	*U*	0.0029	*U*	0.0024	*U*
1,1,2-Trichloroethane	NA	0.0026	*U*	0.0029	*U*	0.0024	*U*
1,1-Dichloroethane	0.27	0.0026	*U*	0.0029	*U*	0.0024	*U*
1,1-Dichloroethylene (1,1-DCE)	0.33	0.0026	*U*	0.0029	*U*	0.0024	*U*
1,2,3-Trichlorobenzene	NA	0.0026	*U*	0.0029	*U*	0.0024	*U*
1,2,3-Trichloropropane	NA	0.0026	*U*	0.0029	*U*	0.0024	*U*
1,2,4-Trichlorobenzene	NA	0.0026	*U*	0.0029	*U*	0.0024	*U*
1,2,4-Trimethylbenzene	3.6	0.0026	*U*	0.0029	*U*	0.0024	*U*
1,2-Dibromo-3-chloropropane	NA	0.0026	*U*	0.0029	*U*	0.0024	*U*
1,2-Dibromoethane	NA	0.0026	*U*	0.0029	*U*	0.0024	*U*
1,2-Dichlorobenzene	1.1	0.0026	*U*	0.0029	*U*	0.0024	*U*
1,2-Dichloroethane	0.02	0.0026	*U*	0.0029	*U*	0.0024	*U*
1,2-Dichloropropane	NA	0.0026	*U*	0.0029	*U*	0.0024	*U*
1,3-Dichlorobenzene	2.4	0.0026	*U*	0.0029	*U*	0.0024	*U*
1,3-Dichloropropane	NA	0.0026	*U*	0.0029	*U*	0.0024	*U*
1,4-Dichlorobenzene	1.8	0.0026	*U*	0.0029	*U*	0.0024	*U*
2,2-Dichloropropane	0.1	0.0026	*U*	0.0029	*U*	0.0024	*U*
2-Chlorotoluene	NA	0.0026	*U*	0.0029	*U*	0.0024	*U*
4-Chlorotoluene	NA	0.0026	*U*	0.0029	*U*	0.0024	*U*
Bromobenzene	NA	0.0026	*U*	0.0029	*U*	0.0024	*U*
Bromochloromethane	NA	0.0026	*U*	0.0029	*U*	0.0024	*U*
Bromodichloromethane	NA	0.0026	*U*	0.0029	*U*	0.0024	*U*
Bromoform	NA	0.0026	*U*	0.0029	*U*	0.0024	*U*
Bromomethane	NA	0.0026	*U*	0.0029	*U*	0.0024	*U*
Carbon tetrachloride	0.76	0.0026	*U*	0.0029	*U*	0.0024	*U*
Chlorobenzene	1.1	0.0026	*U*	0.0029	*U*	0.0024	*U*
Chloroethane	NA	0.0026	*U*	0.0029	*U*	0.0024	*U*
Chloroform	0.37	0.0026	*U*	0.0029	*U*	0.0024	*U*
Chloromethane	NA	0.0026	*U*	0.0029	*U*	0.0024	*U*
cis-1,2-Dichloroethylene (cis-DCE)	0.25	0.0026	*U*	0.0029	*U*	0.0024	*U*
cis-1,3-Dichloropropylene	NA	0.0026	*U*	0.0029	*U*	0.0024	*U*
Dibromochloromethane	NA	0.0026	*U*	0.0029	*U*	0.0024	*U*
Dibromomethane	NA	0.0026	*U*	0.0029	*U*	0.0024	*U*
Dichlorodifluoromethane	NA	0.0026	*U*	0.0029	*U*	0.0024	*U*
Hexachlorobutadiene	NA	0.0026	*U*	0.0029	*U*	0.0024	*U*
Methylene chloride	0.05	0.0053	*U*	0.0057	*U*	0.0048	*U*
Tetrachloroethylene (PCE)	1.3	0.0026	*U*	0.0029	*U*	0.0024	*U*
trans-1,2-Dichloroethylene (trans-DCE)	0.19	0.0026	*U*	0.0029	*U*	0.0024	*U*
trans-1,3-Dichloropropylene	NA	0.0026	*U*	0.0029	*U*	0.0024	*U*
Trichloroethylene (TCE)	0.47	0.0026	*U*	0.0029	*U*	0.0024	*U*
Trichlorofluoromethane	NA	0.0026	*U*	0.0029	*U*	0.0024	*U*
Vinyl chloride (VC)	0.02	0.0026	*U*	0.0029	*U*	0.0024	*U*

Analyte Detected

Analyte Above UUSCO

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 1A: VOCs in Soils

WCD File: PQ18052.21

All data in mg/Kg (ppm)	**Sample ID**	**HB-04 3-4**		**HB-05 5-6**		**HB-06 4-5**	
U= Not Detected ≥ indicated value	Sample Date	(2018-10-22)		(2018-10-22)		(2018-10-22)	
Data above SCOs shown in **Bold**	Dilution Factor	1		1		1	
VOCs, 8260	**UUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-Tetrachloroethane	NA	0.0023	*U*	0.0025	*U*	0.0021	*U*
1,1,1-Trichloroethane	0.68	0.0023	*U*	0.0025	*U*	0.0021	*U*
1,1,2,2-Tetrachloroethane	NA	0.0023	*U*	0.0025	*U*	0.0021	*U*
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	0.0023	*U*	0.0025	*U*	0.0021	*U*
1,1,2-Trichloroethane	NA	0.0023	*U*	0.0025	*U*	0.0021	*U*
1,1-Dichloroethane	0.27	0.0023	*U*	0.0025	*U*	0.0021	*U*
1,1-Dichloroethylene (1,1-DCE)	0.33	0.0023	*U*	0.0025	*U*	0.0021	*U*
1,2,3-Trichlorobenzene	NA	0.0023	*U*	0.0025	*U*	0.0021	*U*
1,2,3-Trichloropropane	NA	0.0023	*U*	0.0025	*U*	0.0021	*U*
1,2,4-Trichlorobenzene	NA	0.0023	*U*	0.0025	*U*	0.0021	*U*
1,2,4-Trimethylbenzene	3.6	0.0023	*U*	0.0025	*U*	0.0021	*U*
1,2-Dibromo-3-chloropropane	NA	0.0023	*U*	0.0025	*U*	0.0021	*U*
1,2-Dibromoethane	NA	0.0023	*U*	0.0025	*U*	0.0021	*U*
1,2-Dichlorobenzene	1.1	0.0023	*U*	0.0025	*U*	0.0021	*U*
1,2-Dichloroethane	0.02	0.0023	*U*	0.0025	*U*	0.0021	*U*
1,2-Dichloropropane	NA	0.0023	*U*	0.0025	*U*	0.0021	*U*
1,3-Dichlorobenzene	2.4	0.0023	*U*	0.0025	*U*	0.0021	*U*
1,3-Dichloropropane	NA	0.0023	*U*	0.0025	*U*	0.0021	*U*
1,4-Dichlorobenzene	1.8	0.0023	*U*	0.0025	*U*	0.0021	*U*
2,2-Dichloropropane	0.1	0.0023	*U*	0.0025	*U*	0.0021	*U*
2-Chlorotoluene	NA	0.0023	*U*	0.0025	*U*	0.0021	*U*
4-Chlorotoluene	NA	0.0023	*U*	0.0025	*U*	0.0021	*U*
Bromobenzene	NA	0.0023	*U*	0.0025	*U*	0.0021	*U*
Bromochloromethane	NA	0.0023	*U*	0.0025	*U*	0.0021	*U*
Bromodichloromethane	NA	0.0023	*U*	0.0025	*U*	0.0021	*U*
Bromoform	NA	0.0023	*U*	0.0025	*U*	0.0021	*U*
Bromomethane	NA	0.0023	*U*	0.0025	*U*	0.0021	*U*
Carbon tetrachloride	0.76	0.0023	*U*	0.0025	*U*	0.0021	*U*
Chlorobenzene	1.1	0.0023	*U*	0.0025	*U*	0.0021	*U*
Chloroethane	NA	0.0023	*U*	0.0025	*U*	0.0021	*U*
Chloroform	0.37	0.0023	*U*	0.0025	*U*	0.0021	*U*
Chloromethane	NA	0.0023	*U*	0.0025	*U*	0.0021	*U*
cis-1,2-Dichloroethylene (cis-DCE)	0.25	0.0023	*U*	0.0025	*U*	0.0021	*U*
cis-1,3-Dichloropropylene	NA	0.0023	*U*	0.0025	*U*	0.0021	*U*
Dibromochloromethane	NA	0.0023	*U*	0.0025	*U*	0.0021	*U*
Dibromomethane	NA	0.0023	*U*	0.0025	*U*	0.0021	*U*
Dichlorodifluoromethane	NA	0.0023	*U*	0.0025	*U*	0.0021	*U*
Hexachlorobutadiene	NA	0.0023	*U*	0.0025	*U*	0.0021	*U*
Methylene chloride	0.05	0.0047	*U*	0.005	*U*	0.0042	*U*
Tetrachloroethylene (PCE)	1.3	0.0023	*U*	0.0025	*U*	0.0021	*U*
trans-1,2-Dichloroethylene (trans-DCE)	0.19	0.0023	*U*	0.0025	*U*	0.0021	*U*
trans-1,3-Dichloropropylene	NA	0.0023	*U*	0.0025	*U*	0.0021	*U*
Trichloroethylene (TCE)	0.47	0.0023	*U*	0.0025	*U*	0.0021	*U*
Trichlorofluoromethane	NA	0.0023	*U*	0.0025	*U*	0.0021	*U*
Vinyl chloride (VC)	0.02	0.0023	*U*	0.0025	*U*	0.0021	*U*

Analyte Detected

Analyte Above UUSCO

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 1A: VOCs in Soils

WCD File: PQ18052.21

All data in mg/Kg (ppm)	**Sample ID**	**SB-06 4-5**		**SB-07 4-5**		**SB-08 4-5**	
U= Not Detected ≥ indicated value	Sample Date	(2018-10-22)		(2018-10-22)		(2018-10-22)	
Data above SCOs shown in **Bold**	Dilution Factor	1		1		1	
VOCs, 8260	**UUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-Tetrachloroethane	NA	0.0028	*U*	0.0028	*U*	0.0027	*U*
1,1,1-Trichloroethane	0.68	0.0028	*U*	0.0064		0.0027	*U*
1,1,2,2-Tetrachloroethane	NA	0.0028	*U*	0.0028	*U*	0.0027	*U*
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	0.0028	*U*	0.0028	*U*	0.0027	*U*
1,1,2-Trichloroethane	NA	0.0028	*U*	0.0028	*U*	0.0027	*U*
1,1-Dichloroethane	0.27	0.0028	*U*	0.0028	*U*	0.0027	*U*
1,1-Dichloroethylene (1,1-DCE)	0.33	0.0028	*U*	0.0028	*U*	0.0027	*U*
1,2,3-Trichlorobenzene	NA	0.0028	*U*	0.0028	*U*	0.0027	*U*
1,2,3-Trichloropropane	NA	0.0028	*U*	0.0028	*U*	0.0027	*U*
1,2,4-Trichlorobenzene	NA	0.0028	*U*	0.0028	*U*	0.0027	*U*
1,2,4-Trimethylbenzene	3.6	0.0028	*U*	0.0028	*U*	0.0027	*U*
1,2-Dibromo-3-chloropropane	NA	0.0028	*U*	0.0028	*U*	0.0027	*U*
1,2-Dibromoethane	NA	0.0028	*U*	0.0028	*U*	0.0027	*U*
1,2-Dichlorobenzene	1.1	0.0028	*U*	0.0028	*U*	0.0027	*U*
1,2-Dichloroethane	0.02	0.0028	*U*	0.0028	*U*	0.0027	*U*
1,2-Dichloropropane	NA	0.0028	*U*	0.0028	*U*	0.0027	*U*
1,3-Dichlorobenzene	2.4	0.0028	*U*	0.0028	*U*	0.0027	*U*
1,3-Dichloropropane	NA	0.0028	*U*	0.0028	*U*	0.0027	*U*
1,4-Dichlorobenzene	1.8	0.0028	*U*	0.0028	*U*	0.0027	*U*
2,2-Dichloropropane	0.1	0.0028	*U*	0.0028	*U*	0.0027	*U*
2-Chlorotoluene	NA	0.0028	*U*	0.0028	*U*	0.0027	*U*
4-Chlorotoluene	NA	0.0028	*U*	0.0028	*U*	0.0027	*U*
Bromobenzene	NA	0.0028	*U*	0.0028	*U*	0.0027	*U*
Bromochloromethane	NA	0.0028	*U*	0.0028	*U*	0.0027	*U*
Bromodichloromethane	NA	0.0028	*U*	0.0028	*U*	0.0027	*U*
Bromoform	NA	0.0028	*U*	0.0028	*U*	0.0027	*U*
Bromomethane	NA	0.0028	*U*	0.0028	*U*	0.0027	*U*
Carbon tetrachloride	0.76	0.0028	*U*	0.0028	*U*	0.0027	*U*
Chlorobenzene	1.1	0.0028	*U*	0.0028	*U*	0.0027	*U*
Chloroethane	NA	0.0028	*U*	0.0028	*U*	0.0027	*U*
Chloroform	0.37	0.0028	*U*	0.007		0.0027	*U*
Chloromethane	NA	0.0028	*U*	0.0028	*U*	0.0027	*U*
cis-1,2-Dichloroethylene (cis-DCE)	0.25	0.0028	*U*	0.0028	*U*	0.0027	*U*
cis-1,3-Dichloropropylene	NA	0.0028	*U*	0.0028	*U*	0.0027	*U*
Dibromochloromethane	NA	0.0028	*U*	0.0028	*U*	0.0027	*U*
Dibromomethane	NA	0.0028	*U*	0.0028	*U*	0.0027	*U*
Dichlorodifluoromethane	NA	0.0028	*U*	0.0028	*U*	0.0027	*U*
Hexachlorobutadiene	NA	0.0028	*U*	0.0028	*U*	0.0027	*U*
Methylene chloride	0.05	0.0055	*U*	0.0056	*U*	0.0053	*U*
Tetrachloroethylene (PCE)	1.3	0.0041	*J*	0.0035	*J*	0.0027	*U*
trans-1,2-Dichloroethylene (trans-DCE)	0.19	0.0028	*U*	0.0028	*U*	0.0027	*U*
trans-1,3-Dichloropropylene	NA	0.0028	*U*	0.0028	*U*	0.0027	*U*
Trichloroethylene (TCE)	0.47	0.0028	*U*	0.0028	*U*	0.0027	*U*
Trichlorofluoromethane	NA	0.0028	*U*	0.0028	*U*	0.0027	*U*
Vinyl chloride (VC)	0.02	0.0028	*U*	0.0028	*U*	0.0027	*U*

Analyte Detected

Analyte Above UUSCO

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 1A: VOCs in Soils

WCD File: PQ18052.21

All data in mg/Kg (ppm)	**Sample ID**	**SB-09 4-5**	
U= Not Detected ≥ indicated value	Sample Date	(2018-10-22)	
Data above SCOs shown in **Bold**	Dilution Factor	1	
VOCs, 8260	**UUSCO**	*Result*	*Qualifier*
1,1,1,2-Tetrachloroethane	NA	0.0027	*U*
1,1,1-Trichloroethane	0.68	0.0027	*U*
1,1,2,2-Tetrachloroethane	NA	0.0027	*U*
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	0.0027	*U*
1,1,2-Trichloroethane	NA	0.0027	*U*
1,1-Dichloroethane	0.27	0.0027	*U*
1,1-Dichloroethylene (1,1-DCE)	0.33	0.0027	*U*
1,2,3-Trichlorobenzene	NA	0.0027	*U*
1,2,3-Trichloropropane	NA	0.0027	*U*
1,2,4-Trichlorobenzene	NA	0.0027	*U*
1,2,4-Trimethylbenzene	3.6	0.0027	*U*
1,2-Dibromo-3-chloropropane	NA	0.0027	*U*
1,2-Dibromoethane	NA	0.0027	*U*
1,2-Dichlorobenzene	1.1	0.0027	*U*
1,2-Dichloroethane	0.02	0.0027	*U*
1,2-Dichloropropane	NA	0.0027	*U*
1,3-Dichlorobenzene	2.4	0.0027	*U*
1,3-Dichloropropane	NA	0.0027	*U*
1,4-Dichlorobenzene	1.8	0.0027	*U*
2,2-Dichloropropane	0.1	0.0027	*U*
2-Chlorotoluene	NA	0.0027	*U*
4-Chlorotoluene	NA	0.0027	*U*
Bromobenzene	NA	0.0027	*U*
Bromochloromethane	NA	0.0027	*U*
Bromodichloromethane	NA	0.0027	*U*
Bromoform	NA	0.0027	*U*
Bromomethane	NA	0.0027	*U*
Carbon tetrachloride	0.76	0.0027	*U*
Chlorobenzene	1.1	0.0027	*U*
Chloroethane	NA	0.0027	*U*
Chloroform	0.37	0.0027	*U*
Chloromethane	NA	0.0027	*U*
cis-1,2-Dichloroethylene (cis-DCE)	0.25	0.0027	*U*
cis-1,3-Dichloropropylene	NA	0.0027	*U*
Dibromochloromethane	NA	0.0027	*U*
Dibromomethane	NA	0.0027	*U*
Dichlorodifluoromethane	NA	0.0027	*U*
Hexachlorobutadiene	NA	0.0027	*U*
Methylene chloride	0.05	0.0053	*U*
Tetrachloroethylene (PCE)	1.3	0.0027	*U*
trans-1,2-Dichloroethylene (trans-DCE)	0.19	0.0027	*U*
trans-1,3-Dichloropropylene	NA	0.0027	*U*
Trichloroethylene (TCE)	0.47	0.0027	*U*
Trichlorofluoromethane	NA	0.0027	*U*
Vinyl chloride (VC)	0.02	0.0027	*U*

Analyte Detected

Analyte Above UUSCO

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: PQ18052.21

All data in µg/L (parts per billion, ppb)	**Sample ID**	**MW-01**	
U= Not Detected ≥ indicated value	Sample Date	(2018-11-05)	
Data above AWQS shown in **Bold**	Dilution Factor	1	
VOCs, 8260	**AWQS**	*Result*	*Qualifier*
1,1,1,2-tetrachloroethane	5	0.21	*J*
1,1,1-trichloroethane	5	0.31	*J*
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	0.21	*J*
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	0.2	*U*
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	0.2	*U*
carbon tetrachloride	5	0.2	*U*
chlorobenzene	5	0.2	*U*
chloroethane	5	0.2	*U*
chloroform	7	1.8	
chloromethane	5	0.37	*J*
cis-1,2-dichloroethylene (cis-DCE)	5	4.9	
cis-1,3-dichloropropylene	0.4	0.2	*U*
cyclohexane	NA	0.2	*U*
dibromochloromethane	5	0.2	*U*
dibromomethane	5	0.2	*U*
dichlorodifluoromethane	5	0.2	*U*
ethyl benzene	5	0.2	*U*
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	0.29	*J*
p- & m- xylenes (included in total xylenes)	5	0.65	*J*
p-isopropyltoluene	5	0.2	*U*
sec-butylbenzene	5	0.2	*U*
styrene	5	0.2	*U*
tert-butyl alcohol (TBA)	NA	0.5	*U*
tert-butylbenzene	5	0.2	*U*
tetrachloroethylene (PCE)	5	**150**	*E*
toluene	5	**11**	
trans-1,2-dichloroethylene (trans-DCE)	5	0.2	*U*
trans-1,3-dichloropropylene	0.4	0.2	*U*
trans-1,4-dichloro-2-butene	NA	0.2	*U*
trichloroethylene (TCE)	5	**5.3**	
trichlorofluoromethane	5	0.2	*U*
vinyl chloride (VC)	2	0.2	*U*
xylenes, total	5	0.94	*J*

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: PQ18052.21

Sample ID	SV-01		SV-02		SV-03		SV-04	
All data in µg/m³ Sample Date	(2018-08-21)		(2018-08-21)		(2018-08-21)		(2018-08-21)	
U= Not Detected ≥ value Dilution Factor	1.383		14.06		13.58		27.34	
VOCs, TO-15	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-Tetrachloroethane	0.95	*U*	0.97	*U*	0.93	*U*	0.94	*U*
1,1,1-Trichloroethane	4.7	*D*	0.77	*U*	27	*D*	620	*D*
1,1,2,2-Tetrachloroethane	0.95	*U*	0.97	*U*	0.93	*U*	0.94	*U*
1,1,2-Trichloro-1,2,2-trifluoroethane	1.1	*U*	1.1	*U*	1	*U*	1	*U*
1,1,2-Trichloroethane	0.76	*U*	0.77	*U*	0.74	*U*	0.75	*U*
1,1-Dichloroethane	0.56	*U*	0.57	*U*	0.55	*U*	7.8	*D*
1,1-Dichloroethene	0.55	*U*	0.56	*U*	0.54	*U*	0.54	*U*
1,2,4-Trichlorobenzene	1	*U*	1	*U*	1	*U*	1	*U*
1,2,4-Trimethylbenzene	29	*D*	110	*D*	20	*D*	17	*D*
1,2-Dibromoethane	1.1	*U*	1.1	*U*	1	*U*	1.1	*U*
1,2-Dichlorobenzene	0.83	*U*	0.85	*U*	0.82	*U*	0.82	*U*
1,2-Dichloroethane	0.56	*U*	0.57	*U*	0.55	*U*	0.55	*U*
1,2-Dichloropropane	0.64	*U*	0.65	*U*	0.63	*U*	0.63	*U*
1,2-Dichlorotetrafluoroethane	0.97	*U*	0.98	*U*	0.95	*U*	0.96	*U*
1,3,5-Trimethylbenzene	8.9	*D*	28	*D*	4.9	*D*	3.7	*D*
1,3-Butadiene	2	*D*	0.93	*U*	0.9	*U*	0.91	*U*
1,3-Dichlorobenzene	0.83	*U*	0.85	*U*	0.82	*U*	0.82	*U*
1,3-Dichloropropane	0.64	*U*	0.65	*U*	0.63	*U*	0.63	*U*
1,4-Dichlorobenzene	0.83	*U*	0.85	*U*	0.82	*U*	0.82	*U*
1,4-Dioxane	1	*U*	1	*U*	0.98	*U*	0.99	*U*
2-Butanone	28	*D*	73	*D*	6.1	*D*	3.7	*D*
2-Hexanone	3	*D*	8.8	*D*	1.1	*U*	1.1	*U*
3-Chloropropene	2.2	*U*	2.2	*U*	2.1	*U*	2.1	*U*
4-Methyl-2-pentanone	5.5	*D*	9.6	*D*	0.56	*U*	0.56	*U*
Acetone	160	*D*	370	*D*	32	*D*	18	*D*
Acrylonitrile	0.3	*U*	0.31	*U*	0.29	*U*	0.3	*U*
Benzene	11	*D*	6.7	*D*	9.2	*D*	6.7	*D*
Benzyl chloride	0.72	*U*	0.73	*U*	0.7	*U*	0.71	*U*
Bromodichloromethane	0.93	*U*	0.94	*U*	0.91	*U*	0.92	*U*
Bromoform	1.4	*U*	1.5	*U*	1.4	*U*	1.4	*U*
Bromomethane	0.54	*U*	0.55	*U*	0.53	*U*	0.53	*U*
Carbon disulfide	3.5	*D*	0.44	*U*	0.42	*U*	0.43	*U*
Carbon tetrachloride	0.22	*U*	0.22	*U*	0.21	*U*	0.22	*U*
Chlorobenzene	0.64	*U*	0.65	*U*	0.63	*U*	0.63	*U*
Chloroethane	0.37	*U*	0.37	*U*	0.36	*U*	0.36	*U*
Chloroform	0.68	*U*	0.69	*U*	35	*D*	86	*D*
Chloromethane	3.1	*D*	10	*D*	0.28	*U*	0.28	*U*
cis-1,2-Dichloroethene	0.55	*U*	0.56	*U*	0.54	*U*	0.54	*U*
cis-1,3-Dichloropropene	0.63	*U*	0.64	*U*	0.62	*U*	0.62	*U*
Cyclohexane	14	*D*	51	*D*	6.9	*D*	0.47	*U*
Dibromochloromethane	1.2	*U*	1.2	*U*	1.2	*U*	1.2	*U*
Dichlorodifluoromethane	0.69	*U*	0.7	*U*	0.67	*U*	0.68	*U*
Ethyl Acetate	3.9	*D*	5.6	*D*	0.98	*U*	0.99	*U*
Ethylbenzene	30	*D*	25	*D*	24	*D*	19	*D*
Hexachlorobutadiene	1.5	*U*	1.5	*U*	1.4	*U*	1.5	*U*
Isopropanol	4.7	*D*	17	*D*	3.1	*D*	3.9	*D*
Methyl Methacrylate	0.57	*U*	0.58	*U*	0.56	*U*	0.56	*U*
Methyl tert butyl ether	0.5	*U*	0.51	*U*	0.49	*U*	0.49	*U*
Methylene chloride	4.8	*D*	4.8	*D*	0.94	*U*	0.95	*U*
Naphthalene	9.4	*D*	9.8	*D*	8.9	*D*	7.3	*D*
n-Heptane	13	*D*	40	*D*	12	*D*	12	*D*
n-Hexane	6.6	*D*	6	*D*	4.5	*D*	6.6	*D*
o-Xylene	31	*D*	35	*D*	22	*D*	18	*D*
p/m-Xylene	90	*D*	91	*D*	67	*D*	53	*D*
p-Ethyltoluene	31	*D*	100	*D*	19	*D*	16	*D*
Propylene	11	*D*	11	*D*	2.9	*D*	2.4	*D*
Styrene	4.5	*D*	6.5	*D*	3.6	*D*	0.58	*U*
Tetrachloroethene	8.4	*D*	7.4	*D*	2,700	*D*	1,700	*D*
Tetrahydrofuran	20	*D*	30	*D*	5	*D*	4.4	*D*
Toluene	110	*D*	74	*D*	90	*D*	68	*D*
trans-1,2-Dichloroethene	0.55	*U*	0.56	*U*	0.54	*U*	0.54	*U*
trans-1,3-Dichloropropene	0.63	*U*	0.64	*U*	0.62	*U*	0.62	*U*
Trichloroethene	0.19	*U*	0.19	*U*	10	*D*	5.3	*D*
Trichlorofluoromethane	0.78	*U*	0.79	*U*	4.9	*D*	0.77	*U*
Vinyl acetate	0.49	*U*	0.5	*U*	0.48	*U*	0.48	*U*
Vinyl bromide	0.61	*U*	0.62	*U*	0.59	*U*	0.6	*U*
Vinyl chloride	0.35	*U*	0.36	*U*	0.35	*U*	0.35	*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: Tyler Goodnough

Report Date: 08/28/2018
Client Project ID: PQ18052
York Project (SDG) No.: 18H0955

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

Report Date: 08/28/2018
Client Project ID: PQ18052
York Project (SDG) No.: 18H0955

WCD Group - Poughkeepsie NY
24 Davis Avenue
Poughkeepsie NY, 12603
Attention: Tyler Goodnough

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on August 21, 2018 and listed below. The project was identified as your project: **PQ18052**.

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

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

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

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
18H0955-01	SB-01 13-15	Soil	08/21/2018	08/21/2018
18H0955-02	SB-02 13-15	Soil	08/21/2018	08/21/2018

General Notes for York Project (SDG) No.: 18H0955

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

Approved By: 

Date: 08/28/2018

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: SB-01 13-15 **York Sample ID:** 18H0955-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0955	PQ18052	Soil	August 21, 2018 12:00 pm	08/21/2018

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:	08/23/2018 14:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/23/2018 22:37	LL
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	08/23/2018 14:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/23/2018 22:37	LL
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	08/23/2018 14:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/23/2018 22:37	LL
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:	08/23/2018 14:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/23/2018 22:37	LL
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	08/23/2018 14:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/23/2018 22:37	LL
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	08/23/2018 14:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/23/2018 22:37	LL
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	08/23/2018 14:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/23/2018 22:37	LL
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	08/23/2018 14:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/23/2018 22:37	LL
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	08/23/2018 14:00 NELAC-NY10854,NELAC-NY12058,NJDEP	08/23/2018 22:37	LL
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	08/23/2018 14:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/23/2018 22:37	LL
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	08/23/2018 14:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/23/2018 22:37	LL
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	08/23/2018 14:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/23/2018 22:37	LL
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	08/23/2018 14:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/23/2018 22:37	LL
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	08/23/2018 14:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/23/2018 22:37	LL
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	08/23/2018 14:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/23/2018 22:37	LL
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	08/23/2018 14:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/23/2018 22:37	LL
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	08/23/2018 14:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/23/2018 22:37	LL
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	08/23/2018 14:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/23/2018 22:37	LL
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	08/23/2018 14:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/23/2018 22:37	LL
123-91-1	1,4-Dioxane	ND		ug/kg dry	50	100	1	EPA 8260C Certifications:	08/23/2018 14:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/23/2018 22:37	LL
78-93-3	2-Butanone	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	08/23/2018 14:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/23/2018 22:37	LL
591-78-6	2-Hexanone	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	08/23/2018 14:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/23/2018 22:37	LL

Sample Information

Client Sample ID: SB-01 13-15 **York Sample ID:** 18H0955-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0955	PQ18052	Soil	August 21, 2018 12:00 pm	08/21/2018

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:	08/23/2018 14:00	08/23/2018 22:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
67-64-1	Acetone	ND		ug/kg dry	5.0	10	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 22:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
107-02-8	Acrolein	ND		ug/kg dry	5.0	10	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 22:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
107-13-1	Acrylonitrile	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 22:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
71-43-2	Benzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 22:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
74-97-5	Bromochloromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 22:37 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 22:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
75-25-2	Bromoform	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 22:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
74-83-9	Bromomethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 22:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
75-15-0	Carbon disulfide	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 22:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 22:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
108-90-7	Chlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 22:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
75-00-3	Chloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 22:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
67-66-3	Chloroform	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 22:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
74-87-3	Chloromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 22:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 22:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 22:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
110-82-7	Cyclohexane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 22:37 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 22:37 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
74-95-3	Dibromomethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 22:37 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 22:37 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 22:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 22:37 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL

Sample Information

Client Sample ID: SB-01 13-15 **York Sample ID:** 18H0955-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0955	PQ18052	Soil	August 21, 2018 12:00 pm	08/21/2018

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:	08/23/2018 14:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/23/2018 22:37	LL
79-20-9	Methyl acetate	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	08/23/2018 14:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/23/2018 22:37	LL
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	08/23/2018 14:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/23/2018 22:37	LL
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	08/23/2018 14:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/23/2018 22:37	LL
75-09-2	Methylene chloride	ND		ug/kg dry	5.0	10	1	EPA 8260C Certifications:	08/23/2018 14:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/23/2018 22:37	LL
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	08/23/2018 14:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/23/2018 22:37	LL
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	08/23/2018 14:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/23/2018 22:37	LL
95-47-6	o-Xylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	08/23/2018 14:00 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/23/2018 22:37	LL
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.0	10	1	EPA 8260C Certifications:	08/23/2018 14:00 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/23/2018 22:37	LL
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	08/23/2018 14:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/23/2018 22:37	LL
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	08/23/2018 14:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/23/2018 22:37	LL
100-42-5	Styrene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	08/23/2018 14:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/23/2018 22:37	LL
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	08/23/2018 14:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/23/2018 22:37	LL
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	08/23/2018 14:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/23/2018 22:37	LL
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	08/23/2018 14:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/23/2018 22:37	LL
108-88-3	Toluene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	08/23/2018 14:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/23/2018 22:37	LL
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	08/23/2018 14:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/23/2018 22:37	LL
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	08/23/2018 14:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/23/2018 22:37	LL
79-01-6	Trichloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	08/23/2018 14:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/23/2018 22:37	LL
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	08/23/2018 14:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/23/2018 22:37	LL
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	08/23/2018 14:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/23/2018 22:37	LL
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.6	15	1	EPA 8260C Certifications:	08/23/2018 14:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/23/2018 22:37	LL

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*93.7 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*93.7 %*	*85-120*

Sample Information

Client Sample ID: SB-01 13-15 **York Sample ID:** 18H0955-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0955	PQ18052	Soil	August 21, 2018 12:00 pm	08/21/2018

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: p-Bromofluorobenzene*	*108 %*			*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	43.2	86.1	2	EPA 8270D Certifications:	08/27/2018 09:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:32	OW
83-32-9	Acenaphthene	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications:	08/27/2018 09:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:32	OW
208-96-8	Acenaphthylene	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications:	08/27/2018 09:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:32	OW
120-12-7	Anthracene	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications:	08/27/2018 09:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:32	OW
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications:	08/27/2018 09:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:32	OW
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications:	08/27/2018 09:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:32	OW
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications:	08/27/2018 09:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:32	OW
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications:	08/27/2018 09:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:32	OW
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications:	08/27/2018 09:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:32	OW
218-01-9	Chrysene	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications:	08/27/2018 09:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:32	OW
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications:	08/27/2018 09:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:32	OW
206-44-0	Fluoranthene	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications:	08/27/2018 09:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:32	OW
86-73-7	Fluorene	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications:	08/27/2018 09:18 NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:32	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications:	08/27/2018 09:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:32	OW
91-20-3	Naphthalene	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications:	08/27/2018 09:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:32	OW
85-01-8	Phenanthrene	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications:	08/27/2018 09:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:32	OW
129-00-0	Pyrene	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications:	08/27/2018 09:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:32	OW

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: Nitrobenzene-d5*	*94.7 %*	*22-108*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*88.6 %*	*21-113*
1718-51-0	*Surrogate: Terphenyl-d14*	*93.7 %*	*24-116*

Sample Information

Client Sample ID: SB-01 13-15 **York Sample ID:** 18H0955-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0955	PQ18052	Soil	August 21, 2018 12:00 pm	08/21/2018

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**	**96.5**		%	0.100	1	SM 2540G	08/25/2018 10:07	08/27/2018 12:37	TAJ
							Certifications: CTDOH			

Sample Information

Client Sample ID: SB-02 13-15 **York Sample ID:** 18H0955-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0955	PQ18052	Soil	August 21, 2018 12:00 pm	08/21/2018

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

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C	08/23/2018 14:00	08/23/2018 23:07	LL
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C	08/23/2018 14:00	08/23/2018 23:07	LL
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C	08/23/2018 14:00	08/23/2018 23:07	LL
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.4	4.9	1	EPA 8260C	08/23/2018 14:00	08/23/2018 23:07	LL
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C	08/23/2018 14:00	08/23/2018 23:07	LL
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C	08/23/2018 14:00	08/23/2018 23:07	LL
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C	08/23/2018 14:00	08/23/2018 23:07	LL
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C	08/23/2018 14:00	08/23/2018 23:07	LL
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C	08/23/2018 14:00	08/23/2018 23:07	LL
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C	08/23/2018 14:00	08/23/2018 23:07	LL
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C	08/23/2018 14:00	08/23/2018 23:07	LL
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C	08/23/2018 14:00	08/23/2018 23:07	LL
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C	08/23/2018 14:00	08/23/2018 23:07	LL
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C	08/23/2018 14:00	08/23/2018 23:07	LL
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: SB-02 13-15 **York Sample ID:** 18H0955-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0955	PQ18052	Soil	August 21, 2018 12:00 pm	08/21/2018

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	2.4	4.9	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 23:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 23:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 23:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 23:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 23:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
123-91-1	1,4-Dioxane	ND		ug/kg dry	49	98	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 23:07 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
78-93-3	2-Butanone	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 23:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
591-78-6	2-Hexanone	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 23:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 23:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
67-64-1	Acetone	ND		ug/kg dry	4.9	9.8	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 23:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
107-02-8	Acrolein	ND		ug/kg dry	4.9	9.8	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 23:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
107-13-1	Acrylonitrile	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 23:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
71-43-2	Benzene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 23:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
74-97-5	Bromochloromethane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 23:07 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 23:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
75-25-2	Bromoform	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 23:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
74-83-9	Bromomethane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 23:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
75-15-0	Carbon disulfide	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 23:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 23:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
108-90-7	Chlorobenzene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 23:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
75-00-3	Chloroethane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 23:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
67-66-3	Chloroform	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 23:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
74-87-3	Chloromethane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 23:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL

Sample Information

Client Sample ID: SB-02 13-15 **York Sample ID:** 18H0955-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0955	PQ18052	Soil	August 21, 2018 12:00 pm	08/21/2018

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	2.4	4.9	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 23:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 23:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
110-82-7	Cyclohexane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 23:07 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 23:07 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
74-95-3	Dibromomethane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 23:07 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 23:07 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 23:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 23:07 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 23:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
79-20-9	Methyl acetate	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 23:07 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 23:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 23:07 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
75-09-2	Methylene chloride	ND		ug/kg dry	4.9	9.8	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 23:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 23:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 23:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
95-47-6	o-Xylene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 23:07 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	LL
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.9	9.8	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 23:07 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	LL
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 23:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 23:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
100-42-5	Styrene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 23:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 23:07 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 23:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/23/2018 14:00	08/23/2018 23:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL

Sample Information

Client Sample ID: SB-02 13-15 **York Sample ID:** 18H0955-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0955	PQ18052	Soil	August 21, 2018 12:00 pm	08/21/2018

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	2.4	4.9	1	EPA 8260C Certifications:	08/23/2018 14:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/23/2018 23:07	LL
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/23/2018 14:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/23/2018 23:07	LL
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/23/2018 14:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/23/2018 23:07	LL
79-01-6	Trichloroethylene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/23/2018 14:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/23/2018 23:07	LL
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/23/2018 14:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/23/2018 23:07	LL
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications:	08/23/2018 14:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/23/2018 23:07	LL
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.3	15	1	EPA 8260C Certifications:	08/23/2018 14:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/23/2018 23:07	LL

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*91.7 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*93.9 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*104 %*	*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	43.1	86.0	2	EPA 8270D Certifications:	08/27/2018 09:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 13:03	OW
83-32-9	Acenaphthene	ND		ug/kg dry	43.1	86.0	2	EPA 8270D Certifications:	08/27/2018 09:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 13:03	OW
208-96-8	Acenaphthylene	ND		ug/kg dry	43.1	86.0	2	EPA 8270D Certifications:	08/27/2018 09:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 13:03	OW
120-12-7	Anthracene	ND		ug/kg dry	43.1	86.0	2	EPA 8270D Certifications:	08/27/2018 09:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 13:03	OW
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	43.1	86.0	2	EPA 8270D Certifications:	08/27/2018 09:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 13:03	OW
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	43.1	86.0	2	EPA 8270D Certifications:	08/27/2018 09:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 13:03	OW
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	43.1	86.0	2	EPA 8270D Certifications:	08/27/2018 09:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 13:03	OW
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	43.1	86.0	2	EPA 8270D Certifications:	08/27/2018 09:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 13:03	OW
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	43.1	86.0	2	EPA 8270D Certifications:	08/27/2018 09:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 13:03	OW
218-01-9	Chrysene	ND		ug/kg dry	43.1	86.0	2	EPA 8270D Certifications:	08/27/2018 09:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 13:03	OW
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	43.1	86.0	2	EPA 8270D Certifications:	08/27/2018 09:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 13:03	OW

Sample Information

Client Sample ID: SB-02 13-15 **York Sample ID:** 18H0955-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0955	PQ18052	Soil	August 21, 2018 12:00 pm	08/21/2018

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
206-44-0	Fluoranthene	ND		ug/kg dry	43.1	86.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 09:18	08/27/2018 13:03	OW
86-73-7	Fluorene	ND		ug/kg dry	43.1	86.0	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/27/2018 09:18	08/27/2018 13:03	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	43.1	86.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 09:18	08/27/2018 13:03	OW
91-20-3	Naphthalene	ND		ug/kg dry	43.1	86.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 09:18	08/27/2018 13:03	OW
85-01-8	Phenanthrene	ND		ug/kg dry	43.1	86.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 09:18	08/27/2018 13:03	OW
129-00-0	Pyrene	ND		ug/kg dry	43.1	86.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 09:18	08/27/2018 13:03	OW

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: Nitrobenzene-d5*	*90.5 %*	*22-108*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*74.2 %*	*21-113*
1718-51-0	*Surrogate: Terphenyl-d14*	*85.8 %*	*24-116*

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**	**97.0**		%	0.100	1	SM 2540G Certifications: CTDOH	08/25/2018 10:07	08/27/2018 12:37	TAJ

Analytical Batch Summary

Batch ID: BH81146 **Preparation Method:** EPA 5035A **Prepared By:** AS

YORK Sample ID	Client Sample ID	Preparation Date
18H0955-01	SB-01 13-15	08/23/18
18H0955-02	SB-02 13-15	08/23/18
BH81146-BLK1	Blank	08/23/18
BH81146-BS1	LCS	08/23/18
BH81146-BSD1	LCS Dup	08/23/18

Batch ID: BH81294 **Preparation Method:** % Solids Prep **Prepared By:** TAJ

YORK Sample ID	Client Sample ID	Preparation Date
18H0955-01	SB-01 13-15	08/25/18
18H0955-02	SB-02 13-15	08/25/18
BH81294-DUP1	Duplicate	08/25/18

Batch ID: BH81310 **Preparation Method:** EPA 3550C **Prepared By:** SGM

YORK Sample ID	Client Sample ID	Preparation Date
18H0955-01	SB-01 13-15	08/27/18
18H0955-02	SB-02 13-15	08/27/18
BH81310-BLK1	Blank	08/27/18
BH81310-BS1	LCS	08/27/18

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
Batch BH81146 - EPA 5035A											
Blank (BH81146-BLK1)											Prepared & Analyzed: 08/23/2018
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 Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH81146 - EPA 5035A											
Blank (BH81146-BLK1)									Prepared & Analyzed: 08/23/2018		
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	"								
Surrogate: 1,2-Dichloroethane-d4	*45.8*		*ug/L*	*50.0*		*91.7*	*77-125*				
Surrogate: Toluene-d8	*47.3*		*"*	*50.0*		*94.6*	*85-120*				
Surrogate: p-Bromofluorobenzene	*52.1*		*"*	*50.0*		*104*	*76-130*				
LCS (BH81146-BS1)									Prepared & Analyzed: 08/23/2018		
1,1,1,2-Tetrachloroethane	56		ug/L	50.0		112	75-129				
1,1,1-Trichloroethane	53		"	50.0		106	71-137				
1,1,2,2-Tetrachloroethane	62		"	50.0		124	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	49		"	50.0		98.3	58-146				
1,1,2-Trichloroethane	53		"	50.0		105	83-123				
1,1-Dichloroethane	50		"	50.0		100	75-130				
1,1-Dichloroethylene	46		"	50.0		92.3	64-137				
1,2,3-Trichlorobenzene	62		"	50.0		125	81-140				
1,2,3-Trichloropropane	62		"	50.0		125	81-126				
1,2,4-Trichlorobenzene	62		"	50.0		124	80-141				
1,2,4-Trimethylbenzene	57		"	50.0		114	84-125				
1,2-Dibromo-3-chloropropane	64		"	50.0		127	74-142				
1,2-Dibromoethane	58		"	50.0		116	86-123				
1,2-Dichlorobenzene	55		"	50.0		111	85-122				
1,2-Dichloroethane	47		"	50.0		94.7	71-133				
1,2-Dichloropropane	50		"	50.0		100	81-122				
1,3,5-Trimethylbenzene	56		"	50.0		111	82-126				
1,3-Dichlorobenzene	58		"	50.0		117	84-124				
1,4-Dichlorobenzene	58		"	50.0		117	84-124				
1,4-Dioxane	400		"	1050		38.4	10-228				
2-Butanone	57		"	50.0		115	58-147				
2-Hexanone	53		"	50.0		107	70-139				
4-Methyl-2-pentanone	38		"	50.0		75.6	72-132				
Acetone	46		"	50.0		91.8	36-155				
Acrolein	33		"	50.0		66.9	10-238				
Acrylonitrile	55		"	50.0		110	66-141				
Benzene	50		"	50.0		101	77-127				
Bromochloromethane	50		"	50.0		99.7	74-129				
Bromodichloromethane	54		"	50.0		109	81-124				

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
Batch BH81146 - EPA 5035A											
LCS (BH81146-BS1)								Prepared & Analyzed: 08/23/2018			
Bromoform	63		ug/L	50.0		127	80-136				
Bromomethane	24		"	50.0		47.7	32-177				
Carbon disulfide	50		"	50.0		100	10-136				
Carbon tetrachloride	54		"	50.0		109	66-143				
Chlorobenzene	52		"	50.0		104	86-120				
Chloroethane	26		"	50.0		51.1	51-142				
Chloroform	53		"	50.0		105	76-131				
Chloromethane	28		"	50.0		56.8	49-132				
cis-1,2-Dichloroethylene	51		"	50.0		102	74-132				
cis-1,3-Dichloropropylene	55		"	50.0		111	81-129				
Cyclohexane	43		"	50.0		86.1	70-130				
Dibromochloromethane	57		"	50.0		115	10-200				
Dibromomethane	51		"	50.0		103	83-124				
Dichlorodifluoromethane	71		"	50.0		143	28-158				
Ethyl Benzene	52		"	50.0		104	84-125				
Hexachlorobutadiene	63		"	50.0		125	83-133				
Isopropylbenzene	56		"	50.0		113	81-127				
Methyl acetate	49		"	50.0		98.6	41-143				
Methyl tert-butyl ether (MTBE)	51		"	50.0		102	74-131				
Methylcyclohexane	52		"	50.0		104	70-130				
Methylene chloride	47		"	50.0		94.7	57-141				
n-Butylbenzene	53		"	50.0		107	80-130				
n-Propylbenzene	56		"	50.0		112	74-136				
o-Xylene	51		"	50.0		101	83-123				
p- & m- Xylenes	96		"	100		95.8	82-128				
p-Isopropyltoluene	58		"	50.0		116	85-125				
sec-Butylbenzene	59		"	50.0		118	83-125				
Styrene	50		"	50.0		99.5	86-126				
tert-Butyl alcohol (TBA)	260		"	250		105	70-130				
tert-Butylbenzene	52		"	50.0		105	80-127				
Tetrachloroethylene	41		"	50.0		82.8	80-129				
Toluene	50		"	50.0		99.7	85-121				
trans-1,2-Dichloroethylene	49		"	50.0		97.3	72-132				
trans-1,3-Dichloropropylene	55		"	50.0		110	78-132				
Trichloroethylene	55		"	50.0		110	84-123				
Trichlorofluoromethane	25		"	50.0		49.3	62-140	Low Bias			
Vinyl Chloride	27		"	50.0		53.8	52-130				
Surrogate: 1,2-Dichloroethane-d4	*45.9*		*"*	*50.0*		*91.8*	*77-125*				
Surrogate: Toluene-d8	*47.2*		*"*	*50.0*		*94.5*	*85-120*				
Surrogate: p-Bromofluorobenzene	*57.4*		*"*	*50.0*		*115*	*76-130*				

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
Batch BH81146 - EPA 5035A											
LCS Dup (BH81146-BSD1)								Prepared & Analyzed: 08/23/2018			
1,1,1,2-Tetrachloroethane	55		ug/L	50.0		110	75-129		1.78	30	
1,1,1-Trichloroethane	52		"	50.0		103	71-137		2.43	30	
1,1,2,2-Tetrachloroethane	60		"	50.0		120	79-129		2.57	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	48		"	50.0		95.9	58-146		2.45	30	
1,1,2-Trichloroethane	51		"	50.0		101	83-123		3.73	30	
1,1-Dichloroethane	49		"	50.0		97.7	75-130		2.35	30	
1,1-Dichloroethylene	45		"	50.0		90.2	64-137		2.32	30	
1,2,3-Trichlorobenzene	61		"	50.0		122	81-140		2.43	30	
1,2,3-Trichloropropane	60		"	50.0		120	81-126		3.36	30	
1,2,4-Trichlorobenzene	63		"	50.0		127	80-141		2.12	30	
1,2,4-Trimethylbenzene	57		"	50.0		114	84-125		0.123	30	
1,2-Dibromo-3-chloropropane	60		"	50.0		121	74-142		4.95	30	
1,2-Dibromoethane	56		"	50.0		113	86-123		3.16	30	
1,2-Dichlorobenzene	56		"	50.0		111	85-122		0.667	30	
1,2-Dichloroethane	45		"	50.0		90.9	71-133		4.03	30	
1,2-Dichloropropane	50		"	50.0		100	81-122		0.160	30	
1,3,5-Trimethylbenzene	55		"	50.0		109	82-126		1.98	30	
1,3-Dichlorobenzene	58		"	50.0		116	84-124		0.189	30	
1,4-Dichlorobenzene	59		"	50.0		118	84-124		0.837	30	
1,4-Dioxane	380		"	1050		36.3	10-228		5.68	30	
2-Butanone	56		"	50.0		112	58-147		2.06	30	
2-Hexanone	50		"	50.0		99.5	70-139		6.89	30	
4-Methyl-2-pentanone	36		"	50.0		72.7	72-132		3.88	30	
Acetone	41		"	50.0		81.3	36-155		12.0	30	
Acrolein	31		"	50.0		61.6	10-238		8.34	30	
Acrylonitrile	53		"	50.0		105	66-141		4.90	30	
Benzene	49		"	50.0		97.8	77-127		3.02	30	
Bromochloromethane	49		"	50.0		97.4	74-129		2.37	30	
Bromodichloromethane	53		"	50.0		106	81-124		2.20	30	
Bromoform	63		"	50.0		127	80-136		0.189	30	
Bromomethane	23		"	50.0		45.3	32-177		5.25	30	
Carbon disulfide	48		"	50.0		95.5	10-136		4.98	30	
Carbon tetrachloride	52		"	50.0		104	66-143		4.18	30	
Chlorobenzene	51		"	50.0		103	86-120		1.31	30	
Chloroethane	25		"	50.0		50.1	51-142	Low Bias	2.02	30	
Chloroform	51		"	50.0		101	76-131		3.75	30	
Chloromethane	27		"	50.0		53.4	49-132		6.14	30	
cis-1,2-Dichloroethylene	50		"	50.0		99.5	74-132		2.89	30	
cis-1,3-Dichloropropylene	53		"	50.0		106	81-129		4.00	30	
Cyclohexane	41		"	50.0		82.3	70-130		4.49	30	
Dibromochloromethane	55		"	50.0		111	10-200		3.19	30	
Dibromomethane	51		"	50.0		101	83-124		1.61	30	
Dichlorodifluoromethane	68		"	50.0		136	28-158		4.40	30	
Ethyl Benzene	51		"	50.0		102	84-125		2.18	30	
Hexachlorobutadiene	62		"	50.0		124	83-133		1.08	30	
Isopropylbenzene	56		"	50.0		112	81-127		0.373	30	
Methyl acetate	46		"	50.0		92.2	41-143		6.77	30	
Methyl tert-butyl ether (MTBE)	50		"	50.0		99.2	74-131		3.31	30	
Methylcyclohexane	50		"	50.0		100	70-130		3.88	30	
Methylene chloride	48		"	50.0		95.6	57-141		0.883	30	
n-Butylbenzene	53		"	50.0		107	80-130		0.112	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
Batch BH81146 - EPA 5035A											
LCS Dup (BH81146-BSD1)								Prepared & Analyzed: 08/23/2018			
n-Propylbenzene	56		ug/L	50.0		111	74-136		0.179	30	
o-Xylene	49		"	50.0		98.8	83-123		2.48	30	
p- & m- Xylenes	95		"	100		94.6	82-128		1.23	30	
p-Isopropyltoluene	58		"	50.0		115	85-125		0.727	30	
sec-Butylbenzene	58		"	50.0		116	83-125		1.49	30	
Styrene	49		"	50.0		97.4	86-126		2.09	30	
tert-Butyl alcohol (TBA)	250		"	250		98.2	70-130		6.70	30	
tert-Butylbenzene	52		"	50.0		103	80-127		1.43	30	
Tetrachloroethylene	40		"	50.0		80.9	80-129		2.37	30	
Toluene	49		"	50.0		97.7	85-121		2.01	30	
trans-1,2-Dichloroethylene	47		"	50.0		93.1	72-132		4.43	30	
trans-1,3-Dichloropropylene	53		"	50.0		105	78-132		4.45	30	
Trichloroethylene	53		"	50.0		107	84-123		2.55	30	
Trichlorofluoromethane	24		"	50.0		47.8	62-140	Low Bias	3.25	30	
Vinyl Chloride	26		"	50.0		52.1	52-130		3.06	30	
Surrogate: 1,2-Dichloroethane-d4	*45.5*		*"*	*50.0*		*91.0*	*77-125*				
Surrogate: Toluene-d8	*46.5*		*"*	*50.0*		*93.1*	*85-120*				
Surrogate: p-Bromofluorobenzene	*56.5*		*"*	*50.0*		*113*	*76-130*				

Semivolatile 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
Batch BH81310 - EPA 3550C											
Blank (BH81310-BLK1)									Prepared & Analyzed: 08/27/2018		
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: Nitrobenzene-d5	*934*		*"*	*833*		*112*	*22-108*				
Surrogate: 2-Fluorobiphenyl	*746*		*"*	*833*		*89.5*	*21-113*				
Surrogate: Terphenyl-d14	*874*		*"*	*833*		*105*	*24-116*				
LCS (BH81310-BS1)									Prepared & Analyzed: 08/27/2018		
2-Methylnaphthalene	820	41.7	ug/kg wet	833		98.4	16-127				
Acenaphthene	746	41.7	"	833		89.6	17-124				
Acenaphthylene	642	41.7	"	833		77.0	16-124				
Anthracene	766	41.7	"	833		92.0	24-124				
Benzo(a)anthracene	843	41.7	"	833		101	25-134				
Benzo(a)pyrene	963	41.7	"	833		116	29-144				
Benzo(b)fluoranthene	889	41.7	"	833		107	20-151				
Benzo(g,h,i)perylene	761	41.7	"	833		91.3	10-153				
Benzo(k)fluoranthene	874	41.7	"	833		105	10-148				
Chrysene	833	41.7	"	833		100	24-116				
Dibenzo(a,h)anthracene	805	41.7	"	833		96.6	17-147				
Fluoranthene	928	41.7	"	833		111	36-125				
Fluorene	793	41.7	"	833		95.1	16-130				
Indeno(1,2,3-cd)pyrene	778	41.7	"	833		93.4	10-155				
Naphthalene	828	41.7	"	833		99.4	20-121				
Phenanthrene	802	41.7	"	833		96.2	24-123				
Pyrene	768	41.7	"	833		92.2	24-132				
Surrogate: Nitrobenzene-d5	*973*		*"*	*833*		*117*	*22-108*				
Surrogate: 2-Fluorobiphenyl	*784*		*"*	*833*		*94.1*	*21-113*				
Surrogate: Terphenyl-d14	*924*		*"*	*833*		*111*	*24-116*				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH81294 - % Solids Prep											
Duplicate (BH81294-DUP1)	*Source sample: 18H0955-01 (SB-01 13-15)								Prepared: 08/25/2018 Analyzed: 08/27/2018		
% Solids	96.7	0.100	%		96.5				0.181	20	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
18H0955-01	SB-01 13-15	40mL Vial with Stir Bar-Cool 4° C
18H0955-02	SB-02 13-15	40mL Vial with Stir Bar-Cool 4° C

Sample and Data Qualifiers Relating to This Work Order

S-08	The recovery of this surrogate was outside of QC limits.
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.
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.

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

Field Chain-of-Custody Record

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 18H0955

YOUR Information	Report To:	Invoice To:
Company: WCD Group	Company:	Company:
Address: 24 Davis Ave Poughkeepsie, NY	Address:	Address:
Phone.: 845-452-1658	Phone.:	Phone.:
Contact: Tyler Goodnough	Contact: Tyler Goodnough	Contact: Brenda Wells
E-mail:	E-mail:	E-mail:

YOUR Project Number: PQ18052

YOUR Project Name: PQ18052.20

YOUR PO#:

Turn-Around Time

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

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

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

Matrix Codes

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

Samples From

New York	X
New Jersey	
Connecticut	
Pennsylvania	
Other	

Report / EDD Type (circle selections)

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

YORK Reg. Comp.

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

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
SB-01 13-15	S	8/21/18	VOCs 8260, PAHs 8270	1x VOA kit, 1x 4oz jar
SB-02 13-15	S	8/21/18		

Comments:

Preservation: (check all that apply)
HCl ___ MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___ ZnAc ___
Ascorbic Acid ___ Other: ___

Special Instruction
Field Filtered ___
Lab to Filter ___

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
WCD	8/21/18 12:50 pm		8/21/18 12:50 pm
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
	8/21/18 3:11		8/21/18 1637
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time

Samples Received by / Company	Date/Time
	8/21/18 12:50 pm
Samples Received by / Company	Date/Time
Samples Received in LAB by	Date/Time
	8-21-18 1637

Temp. Received at Lab: 2.0 Degrees C

Technical Report

prepared for:

WCD Group - Poughkeepsie NY
24 Davis Avenue
Poughkeepsie NY, 12603
Attention: Tyler Goodnough

Report Date: 08/27/2018
Client Project ID: PQ18052
York Project (SDG) No.: 18H0990

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

Report Date: 08/27/2018
Client Project ID: PQ18052
York Project (SDG) No.: 18H0990

WCD Group - Poughkeepsie NY
24 Davis Avenue
Poughkeepsie NY, 12603
Attention: Tyler Goodnough

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on August 21, 2018 and listed below. The project was identified as your project: **PQ18052**.

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

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

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

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
18H0990-01	SV-01	Soil Vapor	08/21/2018	08/21/2018
18H0990-02	SV-02	Soil Vapor	08/21/2018	08/21/2018
18H0990-03	SV-03	Soil Vapor	08/21/2018	08/21/2018
18H0990-04	SV-04	Soil Vapor	08/21/2018	08/21/2018

General Notes for York Project (SDG) No.: 18H0990

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

Approved By: 

Date: 08/27/2018

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: **SV-01** **York Sample ID:** **18H0990-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0990	PQ18052	Soil Vapor	August 21, 2018 12:00 pm	08/21/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	0.95	1.386	EPA TO-15	08/23/2018 17:30	08/24/2018 08:24	LDS
							Certifications:			
71-55-6	**1,1,1-Trichloroethane**	**4.7**		ug/m³	0.76	1.386	EPA TO-15	08/23/2018 17:30	08/24/2018 08:24	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.95	1.386	EPA TO-15	08/23/2018 17:30	08/24/2018 08:24	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	1.1	1.386	EPA TO-15	08/23/2018 17:30	08/24/2018 08:24	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.76	1.386	EPA TO-15	08/23/2018 17:30	08/24/2018 08:24	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.56	1.386	EPA TO-15	08/23/2018 17:30	08/24/2018 08:24	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.55	1.386	EPA TO-15	08/23/2018 17:30	08/24/2018 08:24	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	1.0	1.386	EPA TO-15	08/23/2018 17:30	08/24/2018 08:24	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-63-6	**1,2,4-Trimethylbenzene**	**29**		ug/m³	0.68	1.386	EPA TO-15	08/23/2018 17:30	08/24/2018 08:24	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.1	1.386	EPA TO-15	08/23/2018 17:30	08/24/2018 08:24	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.83	1.386	EPA TO-15	08/23/2018 17:30	08/24/2018 08:24	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.56	1.386	EPA TO-15	08/23/2018 17:30	08/24/2018 08:24	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.64	1.386	EPA TO-15	08/23/2018 17:30	08/24/2018 08:24	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.97	1.386	EPA TO-15	08/23/2018 17:30	08/24/2018 08:24	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-67-8	**1,3,5-Trimethylbenzene**	**8.9**		ug/m³	0.68	1.386	EPA TO-15	08/23/2018 17:30	08/24/2018 08:24	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
106-99-0	**1,3-Butadiene**	**2.0**		ug/m³	0.92	1.386	EPA TO-15	08/23/2018 17:30	08/24/2018 08:24	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.83	1.386	EPA TO-15	08/23/2018 17:30	08/24/2018 08:24	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.64	1.386	EPA TO-15	08/23/2018 17:30	08/24/2018 08:24	LDS
							Certifications:			
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.83	1.386	EPA TO-15	08/23/2018 17:30	08/24/2018 08:24	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
123-91-1	1,4-Dioxane	ND		ug/m³	1.0	1.386	EPA TO-15	08/23/2018 17:30	08/24/2018 08:24	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-93-3	**2-Butanone**	**28**		ug/m³	0.41	1.386	EPA TO-15	08/23/2018 17:30	08/24/2018 08:24	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
591-78-6	*** 2-Hexanone**	**3.0**		ug/m³	1.1	1.386	EPA TO-15	08/23/2018 17:30	08/24/2018 08:24	LDS
							Certifications:			

Sample Information

Client Sample ID: **SV-01** **York Sample ID:** **18H0990-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0990	PQ18052	Soil Vapor	August 21, 2018 12:00 pm	08/21/2018

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
107-05-1	3-Chloropropene	ND		ug/m³	2.2	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 08:24	LDS
108-10-1	**4-Methyl-2-pentanone**	**5.5**		ug/m³	0.57	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 08:24	LDS
67-64-1	**Acetone**	**160**		ug/m³	0.66	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 08:24	LDS
107-13-1	Acrylonitrile	ND		ug/m³	0.30	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 08:24	LDS
71-43-2	**Benzene**	**11**		ug/m³	0.44	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 08:24	LDS
100-44-7	Benzyl chloride	ND		ug/m³	0.72	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 08:24	LDS
75-27-4	Bromodichloromethane	ND		ug/m³	0.93	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 08:24	LDS
75-25-2	Bromoform	ND		ug/m³	1.4	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 08:24	LDS
74-83-9	Bromomethane	ND		ug/m³	0.54	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 08:24	LDS
75-15-0	**Carbon disulfide**	**3.5**		ug/m³	0.43	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 08:24	LDS
56-23-5	Carbon tetrachloride	ND		ug/m³	0.22	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 08:24	LDS
108-90-7	Chlorobenzene	ND		ug/m³	0.64	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 08:24	LDS
75-00-3	Chloroethane	ND		ug/m³	0.37	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 08:24	LDS
67-66-3	Chloroform	ND		ug/m³	0.68	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 08:24	LDS
74-87-3	**Chloromethane**	**3.1**		ug/m³	0.29	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 08:24	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.55	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 08:24	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.63	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 08:24	LDS
110-82-7	**Cyclohexane**	**14**		ug/m³	0.48	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 08:24	LDS
124-48-1	Dibromochloromethane	ND		ug/m³	1.2	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 08:24	LDS
75-71-8	Dichlorodifluoromethane	ND		ug/m³	0.69	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 08:24	LDS
141-78-6	*** Ethyl acetate**	**3.9**		ug/m³	1.0	1.386	EPA TO-15 Certifications:	08/23/2018 17:30	08/24/2018 08:24	LDS
100-41-4	**Ethyl Benzene**	**30**		ug/m³	0.60	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 08:24	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.5	1.386	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 08:24	LDS

Sample Information

Client Sample ID: **SV-01** **York Sample ID:** **18H0990-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0990	PQ18052	Soil Vapor	August 21, 2018 12:00 pm	08/21/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-63-0	**Isopropanol**	**4.7**		ug/m³	0.68	1.386	EPA TO-15	08/23/2018 17:30	08/24/2018 08:24	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
80-62-6	Methyl Methacrylate	ND		ug/m³	0.57	1.386	EPA TO-15	08/23/2018 17:30	08/24/2018 08:24	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.50	1.386	EPA TO-15	08/23/2018 17:30	08/24/2018 08:24	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-09-2	**Methylene chloride**	**4.8**		ug/m³	0.96	1.386	EPA TO-15	08/23/2018 17:30	08/24/2018 08:24	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
91-20-3	*** Naphthalene**	**9.4**		ug/m³	7.3	1.386	EPA TO-15	08/23/2018 17:30	08/24/2018 08:24	LDS
							Certifications: NJDEP-Queens			
142-82-5	**n-Heptane**	**13**		ug/m³	0.57	1.386	EPA TO-15	08/23/2018 17:30	08/24/2018 08:24	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
110-54-3	**n-Hexane**	**6.6**		ug/m³	0.49	1.386	EPA TO-15	08/23/2018 17:30	08/24/2018 08:24	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
95-47-6	**o-Xylene**	**31**		ug/m³	0.60	1.386	EPA TO-15	08/23/2018 17:30	08/24/2018 08:24	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
179601-23-1	**p- & m- Xylenes**	**90**		ug/m³	1.2	1.386	EPA TO-15	08/23/2018 17:30	08/24/2018 08:24	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
622-96-8	*** p-Ethyltoluene**	**31**		ug/m³	0.68	1.386	EPA TO-15	08/23/2018 17:30	08/24/2018 08:24	LDS
							Certifications:			
115-07-1	*** Propylene**	**11**		ug/m³	0.24	1.386	EPA TO-15	08/23/2018 17:30	08/24/2018 08:24	LDS
							Certifications:			
100-42-5	**Styrene**	**4.5**		ug/m³	0.59	1.386	EPA TO-15	08/23/2018 17:30	08/24/2018 08:24	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
127-18-4	**Tetrachloroethylene**	**8.4**		ug/m³	0.24	1.386	EPA TO-15	08/23/2018 17:30	08/24/2018 08:24	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
109-99-9	*** Tetrahydrofuran**	**20**		ug/m³	0.82	1.386	EPA TO-15	08/23/2018 17:30	08/24/2018 08:24	LDS
							Certifications:			
108-88-3	**Toluene**	**110**		ug/m³	0.52	1.386	EPA TO-15	08/23/2018 17:30	08/24/2018 08:24	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.55	1.386	EPA TO-15	08/23/2018 17:30	08/24/2018 08:24	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.63	1.386	EPA TO-15	08/23/2018 17:30	08/24/2018 08:24	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
79-01-6	Trichloroethylene	ND		ug/m³	0.19	1.386	EPA TO-15	08/23/2018 17:30	08/24/2018 08:24	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	0.78	1.386	EPA TO-15	08/23/2018 17:30	08/24/2018 08:24	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-05-4	Vinyl acetate	ND		ug/m³	0.49	1.386	EPA TO-15	08/23/2018 17:30	08/24/2018 08:24	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
593-60-2	Vinyl bromide	ND		ug/m³	0.61	1.386	EPA TO-15	08/23/2018 17:30	08/24/2018 08:24	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-01-4	Vinyl Chloride	ND		ug/m³	0.35	1.386	EPA TO-15	08/23/2018 17:30	08/24/2018 08:24	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			

Surrogate Recoveries	Result	Acceptance Range

Sample Information

Client Sample ID: SV-01 **York Sample ID:** 18H0990-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0990	PQ18052	Soil Vapor	August 21, 2018 12:00 pm	08/21/2018

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
460-00-4	*Surrogate: p-Bromofluorobenzene*	*102 %*			*70-130*					

Sample Information

Client Sample ID: SV-02 **York Sample ID:** 18H0990-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0990	PQ18052	Soil Vapor	August 21, 2018 12:00 pm	08/21/2018

Volatile Organics, EPA TO15 Full List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	0.97	1.406	EPA TO-15 Certifications:	08/23/2018 17:30	08/24/2018 09:15	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.77	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 09:15	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.97	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 09:15	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	1.1	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 09:15	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.77	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 09:15	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.57	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 09:15	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.56	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 09:15	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	1.0	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 09:15	LDS
95-63-6	**1,2,4-Trimethylbenzene**	**110**		ug/m³	0.69	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 09:15	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.1	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 09:15	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.85	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 09:15	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.57	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 09:15	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.65	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 09:15	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.98	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 09:15	LDS
108-67-8	**1,3,5-Trimethylbenzene**	**28**		ug/m³	0.69	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 09:15	LDS
106-99-0	1,3-Butadiene	ND		ug/m³	0.93	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 09:15	LDS

Sample Information

Client Sample ID: **SV-02** **York Sample ID:** **18H0990-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0990	PQ18052	Soil Vapor	August 21, 2018 12:00 pm	08/21/2018

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/m³	0.85	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 09:15	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.65	1.406	EPA TO-15 Certifications:	08/23/2018 17:30	08/24/2018 09:15	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.85	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 09:15	LDS
123-91-1	1,4-Dioxane	ND		ug/m³	1.0	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 09:15	LDS
78-93-3	**2-Butanone**	**73**		ug/m³	0.41	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 09:15	LDS
591-78-6	*** 2-Hexanone**	**8.8**		ug/m³	1.2	1.406	EPA TO-15 Certifications:	08/23/2018 17:30	08/24/2018 09:15	LDS
107-05-1	3-Chloropropene	ND		ug/m³	2.2	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 09:15	LDS
108-10-1	**4-Methyl-2-pentanone**	**9.6**		ug/m³	0.58	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 09:15	LDS
67-64-1	**Acetone**	**370**		ug/m³	6.7	14.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 13:14	LDS
107-13-1	Acrylonitrile	ND		ug/m³	0.31	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 09:15	LDS
71-43-2	**Benzene**	**6.7**		ug/m³	0.45	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 09:15	LDS
100-44-7	Benzyl chloride	ND		ug/m³	0.73	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 09:15	LDS
75-27-4	Bromodichloromethane	ND		ug/m³	0.94	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 09:15	LDS
75-25-2	Bromoform	ND		ug/m³	1.5	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 09:15	LDS
74-83-9	Bromomethane	ND		ug/m³	0.55	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 09:15	LDS
75-15-0	Carbon disulfide	ND		ug/m³	0.44	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 09:15	LDS
56-23-5	Carbon tetrachloride	ND		ug/m³	0.22	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 09:15	LDS
108-90-7	Chlorobenzene	ND		ug/m³	0.65	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 09:15	LDS
75-00-3	Chloroethane	ND		ug/m³	0.37	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 09:15	LDS
67-66-3	Chloroform	ND		ug/m³	0.69	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 09:15	LDS
74-87-3	**Chloromethane**	**10**		ug/m³	0.29	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 09:15	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.56	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 09:15	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.64	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 09:15	LDS

Sample Information

Client Sample ID: SV-02 **York Sample ID:** 18H0990-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0990	PQ18052	Soil Vapor	August 21, 2018 12:00 pm	08/21/2018

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**	**51**		ug/m³	0.48	1.406	EPA TO-15	08/23/2018 17:30	08/24/2018 09:15	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
124-48-1	Dibromochloromethane	ND		ug/m³	1.2	1.406	EPA TO-15	08/23/2018 17:30	08/24/2018 09:15	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-71-8	Dichlorodifluoromethane	ND		ug/m³	0.70	1.406	EPA TO-15	08/23/2018 17:30	08/24/2018 09:15	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
141-78-6	*** Ethyl acetate**	**5.6**		ug/m³	1.0	1.406	EPA TO-15	08/23/2018 17:30	08/24/2018 09:15	LDS
							Certifications:			
100-41-4	**Ethyl Benzene**	**25**		ug/m³	0.61	1.406	EPA TO-15	08/23/2018 17:30	08/24/2018 09:15	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.5	1.406	EPA TO-15	08/23/2018 17:30	08/24/2018 09:15	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-63-0	**Isopropanol**	**17**		ug/m³	0.69	1.406	EPA TO-15	08/23/2018 17:30	08/24/2018 09:15	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
80-62-6	Methyl Methacrylate	ND		ug/m³	0.58	1.406	EPA TO-15	08/23/2018 17:30	08/24/2018 09:15	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.51	1.406	EPA TO-15	08/23/2018 17:30	08/24/2018 09:15	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-09-2	**Methylene chloride**	**4.8**		ug/m³	0.98	1.406	EPA TO-15	08/23/2018 17:30	08/24/2018 09:15	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
91-20-3	*** Naphthalene**	**9.8**		ug/m³	7.4	1.406	EPA TO-15	08/23/2018 17:30	08/24/2018 09:15	LDS
							Certifications: NJDEP-Queens			
142-82-5	**n-Heptane**	**40**		ug/m³	0.58	1.406	EPA TO-15	08/23/2018 17:30	08/24/2018 09:15	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
110-54-3	**n-Hexane**	**6.0**		ug/m³	0.50	1.406	EPA TO-15	08/23/2018 17:30	08/24/2018 09:15	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
95-47-6	**o-Xylene**	**35**		ug/m³	0.61	1.406	EPA TO-15	08/23/2018 17:30	08/24/2018 09:15	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
179601-23-1	**p- & m- Xylenes**	**91**		ug/m³	1.2	1.406	EPA TO-15	08/23/2018 17:30	08/24/2018 09:15	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
622-96-8	*** p-Ethyltoluene**	**100**		ug/m³	0.69	1.406	EPA TO-15	08/23/2018 17:30	08/24/2018 09:15	LDS
							Certifications:			
115-07-1	*** Propylene**	**11**		ug/m³	0.24	1.406	EPA TO-15	08/23/2018 17:30	08/24/2018 09:15	LDS
							Certifications:			
100-42-5	**Styrene**	**6.5**		ug/m³	0.60	1.406	EPA TO-15	08/23/2018 17:30	08/24/2018 09:15	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
127-18-4	**Tetrachloroethylene**	**7.4**		ug/m³	0.24	1.406	EPA TO-15	08/23/2018 17:30	08/24/2018 09:15	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
109-99-9	*** Tetrahydrofuran**	**30**		ug/m³	0.83	1.406	EPA TO-15	08/23/2018 17:30	08/24/2018 09:15	LDS
							Certifications:			
108-88-3	**Toluene**	**74**		ug/m³	0.53	1.406	EPA TO-15	08/23/2018 17:30	08/24/2018 09:15	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.56	1.406	EPA TO-15	08/23/2018 17:30	08/24/2018 09:15	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			

Sample Information

Client Sample ID: SV-02 **York Sample ID:** 18H0990-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0990	PQ18052	Soil Vapor	August 21, 2018 12:00 pm	08/21/2018

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
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.64	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 09:15	LDS
79-01-6	Trichloroethylene	ND		ug/m³	0.19	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 09:15	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	0.79	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 09:15	LDS
108-05-4	Vinyl acetate	ND		ug/m³	0.50	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 09:15	LDS
593-60-2	Vinyl bromide	ND		ug/m³	0.62	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 09:15	LDS
75-01-4	Vinyl Chloride	ND		ug/m³	0.36	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 09:15	LDS

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*108 %*	*70-130*

Sample Information

Client Sample ID: SV-03 **York Sample ID:** 18H0990-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0990	PQ18052	Soil Vapor	August 21, 2018 12:00 pm	08/21/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	0.93	1.358	EPA TO-15 Certifications:	08/23/2018 17:30	08/24/2018 10:07	LDS
71-55-6	**1,1,1-Trichloroethane**	**27**		ug/m³	0.74	1.358	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:07	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.93	1.358	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:07	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	1.0	1.358	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:07	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.74	1.358	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:07	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.55	1.358	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:07	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.54	1.358	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:07	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	1.0	1.358	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:07	LDS
95-63-6	**1,2,4-Trimethylbenzene**	**20**		ug/m³	0.67	1.358	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:07	LDS

Sample Information

Client Sample ID: **SV-03** **York Sample ID:** **18H0990-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0990	PQ18052	Soil Vapor	August 21, 2018 12:00 pm	08/21/2018

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
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.0	1.358	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:07	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.82	1.358	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:07	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.55	1.358	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:07	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.63	1.358	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:07	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.95	1.358	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:07	LDS
108-67-8	**1,3,5-Trimethylbenzene**	**4.9**		ug/m³	0.67	1.358	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:07	LDS
106-99-0	1,3-Butadiene	ND		ug/m³	0.90	1.358	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:07	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.82	1.358	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:07	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.63	1.358	EPA TO-15 Certifications:	08/23/2018 17:30	08/24/2018 10:07	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.82	1.358	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:07	LDS
123-91-1	1,4-Dioxane	ND		ug/m³	0.98	1.358	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:07	LDS
78-93-3	**2-Butanone**	**6.1**		ug/m³	0.40	1.358	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:07	LDS
591-78-6	* 2-Hexanone	ND		ug/m³	1.1	1.358	EPA TO-15 Certifications:	08/23/2018 17:30	08/24/2018 10:07	LDS
107-05-1	3-Chloropropene	ND		ug/m³	2.1	1.358	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:07	LDS
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.56	1.358	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:07	LDS
67-64-1	**Acetone**	**32**		ug/m³	0.65	1.358	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:07	LDS
107-13-1	Acrylonitrile	ND		ug/m³	0.29	1.358	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:07	LDS
71-43-2	**Benzene**	**9.2**		ug/m³	0.43	1.358	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:07	LDS
100-44-7	Benzyl chloride	ND		ug/m³	0.70	1.358	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:07	LDS
75-27-4	Bromodichloromethane	ND		ug/m³	0.91	1.358	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:07	LDS
75-25-2	Bromoform	ND		ug/m³	1.4	1.358	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:07	LDS
74-83-9	Bromomethane	ND		ug/m³	0.53	1.358	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:07	LDS
75-15-0	Carbon disulfide	ND		ug/m³	0.42	1.358	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:07	LDS

Sample Information

Client Sample ID: SV-03 **York Sample ID:** 18H0990-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0990	PQ18052	Soil Vapor	August 21, 2018 12:00 pm	08/21/2018

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
56-23-5	Carbon tetrachloride	ND		ug/m³	0.21	1.358	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:07	LDS
108-90-7	Chlorobenzene	ND		ug/m³	0.63	1.358	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:07	LDS
75-00-3	Chloroethane	ND		ug/m³	0.36	1.358	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:07	LDS
67-66-3	**Chloroform**	**35**		ug/m³	0.66	1.358	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:07	LDS
74-87-3	Chloromethane	ND		ug/m³	0.28	1.358	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:07	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.54	1.358	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:07	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.62	1.358	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:07	LDS
110-82-7	**Cyclohexane**	**6.9**		ug/m³	0.47	1.358	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:07	LDS
124-48-1	Dibromochloromethane	ND		ug/m³	1.2	1.358	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:07	LDS
75-71-8	Dichlorodifluoromethane	ND		ug/m³	0.67	1.358	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:07	LDS
141-78-6	* Ethyl acetate	ND		ug/m³	0.98	1.358	EPA TO-15 Certifications:	08/23/2018 17:30	08/24/2018 10:07	LDS
100-41-4	**Ethyl Benzene**	**24**		ug/m³	0.59	1.358	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:07	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.4	1.358	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:07	LDS
67-63-0	**Isopropanol**	**3.1**		ug/m³	0.67	1.358	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:07	LDS
80-62-6	Methyl Methacrylate	ND		ug/m³	0.56	1.358	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:07	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.49	1.358	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:07	LDS
75-09-2	Methylene chloride	ND		ug/m³	0.94	1.358	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:07	LDS
91-20-3	*** Naphthalene**	**8.9**		ug/m³	7.1	1.358	EPA TO-15 Certifications: NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:07	LDS
142-82-5	**n-Heptane**	**12**		ug/m³	0.56	1.358	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:07	LDS
110-54-3	**n-Hexane**	**4.5**		ug/m³	0.48	1.358	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:07	LDS
95-47-6	**o-Xylene**	**22**		ug/m³	0.59	1.358	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:07	LDS
179601-23-1	**p- & m- Xylenes**	**67**		ug/m³	1.2	1.358	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:07	LDS
622-96-8	*** p-Ethyltoluene**	**19**		ug/m³	0.67	1.358	EPA TO-15 Certifications:	08/23/2018 17:30	08/24/2018 10:07	LDS

Sample Information

Client Sample ID: SV-03 **York Sample ID:** 18H0990-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0990	PQ18052	Soil Vapor	August 21, 2018 12:00 pm	08/21/2018

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
115-07-1	*** Propylene**	**2.9**		ug/m³	0.23	1.358	EPA TO-15	08/23/2018 17:30	08/24/2018 10:07	LDS
							Certifications:			
100-42-5	**Styrene**	**3.6**		ug/m³	0.58	1.358	EPA TO-15	08/23/2018 17:30	08/24/2018 10:07	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
127-18-4	**Tetrachloroethylene**	**2700**		ug/m³	2.3	13.58	EPA TO-15	08/23/2018 17:30	08/24/2018 13:59	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
109-99-9	*** Tetrahydrofuran**	**5.0**		ug/m³	0.80	1.358	EPA TO-15	08/23/2018 17:30	08/24/2018 10:07	LDS
							Certifications:			
108-88-3	**Toluene**	**90**		ug/m³	0.51	1.358	EPA TO-15	08/23/2018 17:30	08/24/2018 10:07	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.54	1.358	EPA TO-15	08/23/2018 17:30	08/24/2018 10:07	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.62	1.358	EPA TO-15	08/23/2018 17:30	08/24/2018 10:07	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-01-6	**Trichloroethylene**	**10**		ug/m³	0.18	1.358	EPA TO-15	08/23/2018 17:30	08/24/2018 10:07	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-69-4	**Trichlorofluoromethane (Freon 11)**	**4.9**		ug/m³	0.76	1.358	EPA TO-15	08/23/2018 17:30	08/24/2018 10:07	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-05-4	Vinyl acetate	ND		ug/m³	0.48	1.358	EPA TO-15	08/23/2018 17:30	08/24/2018 10:07	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
593-60-2	Vinyl bromide	ND		ug/m³	0.59	1.358	EPA TO-15	08/23/2018 17:30	08/24/2018 10:07	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-01-4	Vinyl Chloride	ND		ug/m³	0.35	1.358	EPA TO-15	08/23/2018 17:30	08/24/2018 10:07	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*107 %*	*70-130*

Sample Information

Client Sample ID: SV-04 **York Sample ID:** 18H0990-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0990	PQ18052	Soil Vapor	August 21, 2018 12:00 pm	08/21/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	0.94	1.367	EPA TO-15	08/23/2018 17:30	08/24/2018 10:59	LDS
							Certifications:			
71-55-6	**1,1,1-Trichloroethane**	**620**		ug/m³	15	27.34	EPA TO-15	08/23/2018 17:30	08/24/2018 14:45	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: **SV-04** **York Sample ID:** **18H0990-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0990	PQ18052	Soil Vapor	August 21, 2018 12:00 pm	08/21/2018

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
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.94	1.367	EPA TO-15 Certifications:	08/23/2018 17:30 NELAC-NY12058,NJDEP-Queens	08/24/2018 10:59	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	1.0	1.367	EPA TO-15 Certifications:	08/23/2018 17:30 NELAC-NY12058,NJDEP-Queens	08/24/2018 10:59	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.75	1.367	EPA TO-15 Certifications:	08/23/2018 17:30 NELAC-NY12058,NJDEP-Queens	08/24/2018 10:59	LDS
75-34-3	**1,1-Dichloroethane**	**7.8**		ug/m³	0.55	1.367	EPA TO-15 Certifications:	08/23/2018 17:30 NELAC-NY12058,NJDEP-Queens	08/24/2018 10:59	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.54	1.367	EPA TO-15 Certifications:	08/23/2018 17:30 NELAC-NY12058,NJDEP-Queens	08/24/2018 10:59	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	1.0	1.367	EPA TO-15 Certifications:	08/23/2018 17:30 NELAC-NY12058,NJDEP-Queens	08/24/2018 10:59	LDS
95-63-6	**1,2,4-Trimethylbenzene**	**17**		ug/m³	0.67	1.367	EPA TO-15 Certifications:	08/23/2018 17:30 NELAC-NY12058,NJDEP-Queens	08/24/2018 10:59	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.1	1.367	EPA TO-15 Certifications:	08/23/2018 17:30 NELAC-NY12058,NJDEP-Queens	08/24/2018 10:59	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.82	1.367	EPA TO-15 Certifications:	08/23/2018 17:30 NELAC-NY12058,NJDEP-Queens	08/24/2018 10:59	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.55	1.367	EPA TO-15 Certifications:	08/23/2018 17:30 NELAC-NY12058,NJDEP-Queens	08/24/2018 10:59	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.63	1.367	EPA TO-15 Certifications:	08/23/2018 17:30 NELAC-NY12058,NJDEP-Queens	08/24/2018 10:59	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.96	1.367	EPA TO-15 Certifications:	08/23/2018 17:30 NELAC-NY12058,NJDEP-Queens	08/24/2018 10:59	LDS
108-67-8	**1,3,5-Trimethylbenzene**	**3.7**		ug/m³	0.67	1.367	EPA TO-15 Certifications:	08/23/2018 17:30 NELAC-NY12058,NJDEP-Queens	08/24/2018 10:59	LDS
106-99-0	1,3-Butadiene	ND		ug/m³	0.91	1.367	EPA TO-15 Certifications:	08/23/2018 17:30 NELAC-NY12058,NJDEP-Queens	08/24/2018 10:59	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.82	1.367	EPA TO-15 Certifications:	08/23/2018 17:30 NELAC-NY12058,NJDEP-Queens	08/24/2018 10:59	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.63	1.367	EPA TO-15 Certifications:	08/23/2018 17:30	08/24/2018 10:59	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.82	1.367	EPA TO-15 Certifications:	08/23/2018 17:30 NELAC-NY12058,NJDEP-Queens	08/24/2018 10:59	LDS
123-91-1	1,4-Dioxane	ND		ug/m³	0.99	1.367	EPA TO-15 Certifications:	08/23/2018 17:30 NELAC-NY12058,NJDEP-Queens	08/24/2018 10:59	LDS
78-93-3	**2-Butanone**	**3.7**		ug/m³	0.40	1.367	EPA TO-15 Certifications:	08/23/2018 17:30 NELAC-NY12058,NJDEP-Queens	08/24/2018 10:59	LDS
591-78-6	* 2-Hexanone	ND		ug/m³	1.1	1.367	EPA TO-15 Certifications:	08/23/2018 17:30	08/24/2018 10:59	LDS
107-05-1	3-Chloropropene	ND		ug/m³	2.1	1.367	EPA TO-15 Certifications:	08/23/2018 17:30 NELAC-NY12058,NJDEP-Queens	08/24/2018 10:59	LDS
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.56	1.367	EPA TO-15 Certifications:	08/23/2018 17:30 NELAC-NY12058,NJDEP-Queens	08/24/2018 10:59	LDS
67-64-1	**Acetone**	**18**		ug/m³	0.65	1.367	EPA TO-15 Certifications:	08/23/2018 17:30 NELAC-NY12058,NJDEP-Queens	08/24/2018 10:59	LDS

Sample Information

Client Sample ID: **SV-04** **York Sample ID:** **18H0990-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0990	PQ18052	Soil Vapor	August 21, 2018 12:00 pm	08/21/2018

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
107-13-1	Acrylonitrile	ND		ug/m³	0.30	1.367	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:59	LDS
71-43-2	**Benzene**	**6.7**		ug/m³	0.44	1.367	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:59	LDS
100-44-7	Benzyl chloride	ND		ug/m³	0.71	1.367	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:59	LDS
75-27-4	Bromodichloromethane	ND		ug/m³	0.92	1.367	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:59	LDS
75-25-2	Bromoform	ND		ug/m³	1.4	1.367	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:59	LDS
74-83-9	Bromomethane	ND		ug/m³	0.53	1.367	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:59	LDS
75-15-0	Carbon disulfide	ND		ug/m³	0.43	1.367	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:59	LDS
56-23-5	Carbon tetrachloride	ND		ug/m³	0.22	1.367	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:59	LDS
108-90-7	Chlorobenzene	ND		ug/m³	0.63	1.367	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:59	LDS
75-00-3	Chloroethane	ND		ug/m³	0.36	1.367	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:59	LDS
67-66-3	**Chloroform**	**86**		ug/m³	0.67	1.367	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:59	LDS
74-87-3	Chloromethane	ND		ug/m³	0.28	1.367	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:59	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.54	1.367	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:59	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.62	1.367	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:59	LDS
110-82-7	Cyclohexane	ND		ug/m³	0.47	1.367	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:59	LDS
124-48-1	Dibromochloromethane	ND		ug/m³	1.2	1.367	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:59	LDS
75-71-8	Dichlorodifluoromethane	ND		ug/m³	0.68	1.367	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:59	LDS
141-78-6	* Ethyl acetate	ND		ug/m³	0.99	1.367	EPA TO-15 Certifications:	08/23/2018 17:30	08/24/2018 10:59	LDS
100-41-4	**Ethyl Benzene**	**19**		ug/m³	0.59	1.367	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:59	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.5	1.367	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:59	LDS
67-63-0	**Isopropanol**	**3.9**		ug/m³	0.67	1.367	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:59	LDS
80-62-6	Methyl Methacrylate	ND		ug/m³	0.56	1.367	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:59	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.49	1.367	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:59	LDS

Sample Information

Client Sample ID: **SV-04** **York Sample ID:** **18H0990-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0990	PQ18052	Soil Vapor	August 21, 2018 12:00 pm	08/21/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-09-2	Methylene chloride	ND		ug/m³	0.95	1.367	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:59	LDS
91-20-3	*** Naphthalene**	**7.3**		ug/m³	7.2	1.367	EPA TO-15 Certifications: NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:59	LDS
142-82-5	**n-Heptane**	**12**		ug/m³	0.56	1.367	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:59	LDS
110-54-3	**n-Hexane**	**6.6**		ug/m³	0.48	1.367	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:59	LDS
95-47-6	**o-Xylene**	**18**		ug/m³	0.59	1.367	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:59	LDS
179601-23-1	**p- & m- Xylenes**	**53**		ug/m³	1.2	1.367	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:59	LDS
622-96-8	*** p-Ethyltoluene**	**16**		ug/m³	0.67	1.367	EPA TO-15 Certifications:	08/23/2018 17:30	08/24/2018 10:59	LDS
115-07-1	*** Propylene**	**2.4**		ug/m³	0.24	1.367	EPA TO-15 Certifications:	08/23/2018 17:30	08/24/2018 10:59	LDS
100-42-5	Styrene	ND		ug/m³	0.58	1.367	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:59	LDS
127-18-4	**Tetrachloroethylene**	**1700**		ug/m³	4.6	27.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 14:45	LDS
109-99-9	*** Tetrahydrofuran**	**4.4**		ug/m³	0.81	1.367	EPA TO-15 Certifications:	08/23/2018 17:30	08/24/2018 10:59	LDS
108-88-3	**Toluene**	**68**		ug/m³	0.52	1.367	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:59	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.54	1.367	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:59	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.62	1.367	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:59	LDS
79-01-6	**Trichloroethylene**	**5.3**		ug/m³	0.18	1.367	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:59	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	0.77	1.367	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:59	LDS
108-05-4	Vinyl acetate	ND		ug/m³	0.48	1.367	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:59	LDS
593-60-2	Vinyl bromide	ND		ug/m³	0.60	1.367	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:59	LDS
75-01-4	Vinyl Chloride	ND		ug/m³	0.35	1.367	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2018 17:30	08/24/2018 10:59	LDS

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*105 %*	*70-130*

Analytical Batch Summary

Batch ID: BH81219 **Preparation Method:** EPA TO15 PREP **Prepared By:** LDS

YORK Sample ID	Client Sample ID	Preparation Date
18H0990-01	SV-01	08/23/18
18H0990-02	SV-02	08/23/18
18H0990-02RE1	SV-02	08/23/18
18H0990-03	SV-03	08/23/18
18H0990-03RE1	SV-03	08/23/18
18H0990-04	SV-04	08/23/18
18H0990-04RE1	SV-04	08/23/18
BH81219-BLK1	Blank	08/23/18
BH81219-BS1	LCS	08/23/18

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
Batch BH81219 - EPA TO15 PREP											
Blank (BH81219-BLK1)											Prepared & Analyzed: 08/23/2018
1,1,1,2-Tetrachloroethane	ND	0.69	ug/m³								
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	"								

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH81219 - EPA TO15 PREP											
Blank (BH81219-BLK1)								Prepared & Analyzed: 08/23/2018			
n-Heptane	ND	0.41	ug/m³								
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	"								
Surrogate: p-Bromofluorobenzene	*8.84*		*ppbv*	*10.0*		*88.4*	*70-130*				
LCS (BH81219-BS1)								Prepared & Analyzed: 08/23/2018			
1,1,1,2-Tetrachloroethane	9.24		ppbv	10.0		92.4	70-130				
1,1,1-Trichloroethane	9.84		"	10.0		98.4	70-130				
1,1,2,2-Tetrachloroethane	9.39		"	10.0		93.9	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.2		"	10.0		102	70-130				
1,1,2-Trichloroethane	9.17		"	10.0		91.7	70-130				
1,1-Dichloroethane	9.86		"	10.0		98.6	70-130				
1,1-Dichloroethylene	8.97		"	10.0		89.7	70-130				
1,2,4-Trichlorobenzene	9.35		"	10.0		93.5	70-130				
1,2,4-Trimethylbenzene	9.22		"	10.0		92.2	70-130				
1,2-Dibromoethane	9.30		"	10.0		93.0	70-130				
1,2-Dichlorobenzene	10.3		"	10.0		103	70-130				
1,2-Dichloroethane	9.52		"	10.0		95.2	70-130				
1,2-Dichloropropane	8.84		"	10.0		88.4	70-130				
1,2-Dichlorotetrafluoroethane	11.3		"	10.0		113	70-130				
1,3,5-Trimethylbenzene	8.55		"	10.0		85.5	70-130				
1,3-Butadiene	11.6		"	10.0		116	70-130				
1,3-Dichlorobenzene	10.6		"	10.0		106	70-130				
1,3-Dichloropropane	8.90		"	10.0		89.0	70-130				
1,4-Dichlorobenzene	10.9		"	10.0		109	70-130				
1,4-Dioxane	6.22		"	10.0		62.2	70-130	Low Bias			
2-Butanone	9.19		"	10.0		91.9	70-130				
2-Hexanone	7.86		"	10.0		78.6	70-130				
3-Chloropropene	9.15		"	10.0		91.5	70-130				
4-Methyl-2-pentanone	7.70		"	10.0		77.0	70-130				
Acetone	8.77		"	10.0		87.7	70-130				
Acrylonitrile	10.5		"	10.0		105	70-130				
Benzene	9.47		"	10.0		94.7	70-130				
Benzyl chloride	9.89		"	10.0		98.9	70-130				
Bromodichloromethane	9.10		"	10.0		91.0	70-130				
Bromoform	9.86		"	10.0		98.6	70-130				
Bromomethane	9.38		"	10.0		93.8	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
Batch BH81219 - EPA TO15 PREP											
LCS (BH81219-BS1)								Prepared & Analyzed: 08/23/2018			
Carbon disulfide	10.8		ppbv	10.0		108	70-130				
Carbon tetrachloride	8.92		"	10.0		89.2	70-130				
Chlorobenzene	9.47		"	10.0		94.7	70-130				
Chloroethane	11.0		"	10.0		110	70-130				
Chloroform	9.77		"	10.0		97.7	70-130				
Chloromethane	11.7		"	10.0		117	70-130				
cis-1,2-Dichloroethylene	9.27		"	10.0		92.7	70-130				
cis-1,3-Dichloropropylene	9.19		"	10.0		91.9	70-130				
Cyclohexane	9.89		"	10.0		98.9	70-130				
Dibromochloromethane	9.18		"	10.0		91.8	70-130				
Dichlorodifluoromethane	10.4		"	10.0		104	70-130				
Ethyl acetate	9.35		"	10.0		93.5	70-130				
Ethyl Benzene	8.79		"	10.0		87.9	70-130				
Hexachlorobutadiene	9.71		"	10.0		97.1	70-130				
Isopropanol	10.7		"	10.0		107	70-130				
Methyl Methacrylate	8.87		"	10.0		88.7	70-130				
Methyl tert-butyl ether (MTBE)	16.9		"	10.0		169	70-130	High Bias			
Methylene chloride	9.77		"	10.0		97.7	70-130				
Naphthalene	9.44		"	10.0		94.4	70-130				
n-Heptane	9.09		"	10.0		90.9	70-130				
n-Hexane	10.0		"	10.0		100	70-130				
o-Xylene	8.42		"	10.0		84.2	70-130				
p- & m- Xylenes	17.7		"	20.0		88.6	70-130				
p-Ethyltoluene	9.58		"	10.0		95.8	70-130				
Propylene	9.46		"	10.0		94.6	70-130				
Styrene	9.58		"	10.0		95.8	70-130				
Tetrachloroethylene	9.68		"	10.0		96.8	70-130				
Tetrahydrofuran	9.36		"	10.0		93.6	70-130				
Toluene	8.73		"	10.0		87.3	70-130				
trans-1,2-Dichloroethylene	10.3		"	10.0		103	70-130				
trans-1,3-Dichloropropylene	8.76		"	10.0		87.6	70-130				
Trichloroethylene	8.31		"	10.0		83.1	70-130				
Trichlorofluoromethane (Freon 11)	9.76		"	10.0		97.6	70-130				
Vinyl acetate	14.1		"	10.0		141	70-130	High Bias			
Vinyl bromide	10.4		"	10.0		104	70-130				
Vinyl Chloride	11.3		"	10.0		113	70-130				
Surrogate: p-Bromofluorobenzene	*10.2*		*"*	*10.0*		*102*	*70-130*				

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.
CCV-A	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>30% Difference for average Rf). This applies to dectected analytes only.

Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

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

Field Chain-of-Custody Record - AIR

YORK Project No. 1810990

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document. This document serves as your written authorization for YORK to proceed with the analyses requested below. Your signature binds you to YORK's Standard Terms & Conditions.

YOUR Information	Report To:	Invoice To:
Company: WCD Group	Company:	Company:
Address: 24 Davis Ave Poughkeepsie NY	Address:	Address:
Phone: 845-452-1658	Phone:	Phone:
Contact: Tyler Goodnough	Contact: Tyler Goodnough	Contact: Brenda Wells
E-mail:	E-mail:	E-mail:

YOUR Project Number: PQ18052

YOUR Project Name: PQ18052.20

YOUR PO#:

Turn-Around Time

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

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

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

Tyler Goodnough

Air Matrix Codes

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

Samples From

New York	X
New Jersey	
Connecticut	
Pennsylvania	
Other	

Report / EDD Type (circle selections)

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

YORK Reg. Comp.

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

Certified Canisters: Batch ___ Individual ___

Please enter the following REQUIRED Field Data

Reporting Units: ug/m³ ___ ppbv ___ ppmv ___

Sample Identification	Date/Time Sampled	Air Matrix	Canister Vacuum Before Sampling (in Hg)	Canister Vacuum After Sampling (in Hg)	Canister ID	Flow Cont. ID	Analysis Requested
SV-01	8/21/18	AS	-30	-1	28308	7607	TO-15
SV-02	↓	↓	-32	-4	[redacted]1022	6862	↓
SV-03			-32	-2	10045	6875	
SV-04			-33	-4	24058	6861	

Comments:

Detection Limits Required

≤ 1 ug/m³ ___ NYSDEC V1 Limits ___
Routine Survey ___ Other ___

Sampling Media

6 Liter Canister
Tedlar Bag

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
T-WCD	8/21/18 - 12:50		8/21/18 1250		8/21/18 4PM
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time
					8-21-18 1600

Technical Report

prepared for:

WCD Group - Poughkeepsie NY
24 Davis Avenue
Poughkeepsie NY, 12603
Attention: Tyler Goodnough

Report Date: 08/30/2018
Client Project ID: PQ18052
York Project (SDG) No.: 18H1121

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

Report Date: 08/30/2018
Client Project ID: PQ18052
York Project (SDG) No.: 18H1121

WCD Group - Poughkeepsie NY
24 Davis Avenue
Poughkeepsie NY, 12603
Attention: Tyler Goodnough

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on August 23, 2018 and listed below. The project was identified as your project: **PQ18052**.

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

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

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

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
18H1121-01	SB-03 5-7	Soil	08/23/2018	08/23/2018
18H1121-02	SB-04 5-7	Soil	08/23/2018	08/23/2018
18H1121-03	SB-05 9.5-11.5	Soil	08/23/2018	08/23/2018

General Notes for York Project (SDG) No.: 18H1121

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

Approved By: 

Date: 08/30/2018

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: SB-03 5-7 **York Sample ID:** 18H1121-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H1121	PQ18052	Soil	August 23, 2018 3:00 pm	08/23/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 21:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 21:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 21:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 21:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	LL
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 21:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 21:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 21:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 21:55 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 21:55 NELAC-NY10854,NELAC-NY12058,NJDEP	LL
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 21:55 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 21:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 21:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 21:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 21:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 21:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 21:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 21:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 21:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 21:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
123-91-1	1,4-Dioxane	ND		ug/kg dry	65	130	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 21:55 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
78-93-3	2-Butanone	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 21:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
591-78-6	2-Hexanone	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 21:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL

Sample Information

Client Sample ID: SB-03 5-7 **York Sample ID:** 18H1121-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H1121	PQ18052	Soil	August 23, 2018 3:00 pm	08/23/2018

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	3.3	6.5	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 21:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
67-64-1	Acetone	ND		ug/kg dry	6.5	13	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 21:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
107-02-8	Acrolein	ND		ug/kg dry	6.5	13	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 21:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
107-13-1	Acrylonitrile	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 21:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
71-43-2	Benzene	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 21:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
74-97-5	Bromochloromethane	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 21:55 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
75-27-4	Bromodichloromethane	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 21:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
75-25-2	Bromoform	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 21:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
74-83-9	Bromomethane	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 21:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
75-15-0	Carbon disulfide	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 21:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
56-23-5	Carbon tetrachloride	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 21:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
108-90-7	Chlorobenzene	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 21:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
75-00-3	Chloroethane	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 21:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
67-66-3	Chloroform	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 21:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
74-87-3	Chloromethane	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 21:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 21:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 21:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
110-82-7	Cyclohexane	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 21:55 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
124-48-1	Dibromochloromethane	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 21:55 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
74-95-3	Dibromomethane	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 21:55 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 21:55 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
100-41-4	Ethyl Benzene	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 21:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 21:55 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL

Sample Information

Client Sample ID: SB-03 5-7 **York Sample ID:** 18H1121-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H1121	PQ18052	Soil	August 23, 2018 3:00 pm	08/23/2018

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	3.3	6.5	1	EPA 8260C Certifications:	08/27/2018 08:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 21:55	LL
79-20-9	Methyl acetate	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications:	08/27/2018 08:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 21:55	LL
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications:	08/27/2018 08:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 21:55	LL
108-87-2	Methylcyclohexane	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications:	08/27/2018 08:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 21:55	LL
75-09-2	Methylene chloride	ND		ug/kg dry	6.5	13	1	EPA 8260C Certifications:	08/27/2018 08:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 21:55	LL
104-51-8	n-Butylbenzene	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications:	08/27/2018 08:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 21:55	LL
103-65-1	n-Propylbenzene	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications:	08/27/2018 08:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 21:55	LL
95-47-6	o-Xylene	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications:	08/27/2018 08:00 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/27/2018 21:55	LL
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	6.5	13	1	EPA 8260C Certifications:	08/27/2018 08:00 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/27/2018 21:55	LL
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications:	08/27/2018 08:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 21:55	LL
135-98-8	sec-Butylbenzene	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications:	08/27/2018 08:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 21:55	LL
100-42-5	Styrene	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications:	08/27/2018 08:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 21:55	LL
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications:	08/27/2018 08:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 21:55	LL
98-06-6	tert-Butylbenzene	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications:	08/27/2018 08:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 21:55	LL
127-18-4	Tetrachloroethylene	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications:	08/27/2018 08:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 21:55	LL
108-88-3	Toluene	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications:	08/27/2018 08:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 21:55	LL
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications:	08/27/2018 08:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 21:55	LL
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications:	08/27/2018 08:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 21:55	LL
79-01-6	Trichloroethylene	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications:	08/27/2018 08:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 21:55	LL
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications:	08/27/2018 08:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 21:55	LL
75-01-4	Vinyl Chloride	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications:	08/27/2018 08:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 21:55	LL
1330-20-7	Xylenes, Total	ND		ug/kg dry	9.8	20	1	EPA 8260C Certifications:	08/27/2018 08:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/27/2018 21:55	LL

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*99.8 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*94.0 %*	*85-120*

Sample Information

Client Sample ID: SB-03 5-7 **York Sample ID:** 18H1121-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H1121	PQ18052	Soil	August 23, 2018 3:00 pm	08/23/2018

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: p-Bromofluorobenzene*	*105 %*			*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	50.1	100	2	EPA 8270D Certifications:	08/28/2018 15:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 19:14	SR
83-32-9	Acenaphthene	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/28/2018 15:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 19:14	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/28/2018 15:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 19:14	SR
120-12-7	Anthracene	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/28/2018 15:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 19:14	SR
56-55-3	**Benzo(a)anthracene**	**85.6**	J	ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/28/2018 15:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 19:14	SR
50-32-8	**Benzo(a)pyrene**	**122**		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/28/2018 15:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 19:14	SR
205-99-2	**Benzo(b)fluoranthene**	**120**		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/28/2018 15:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 19:14	SR
191-24-2	**Benzo(g,h,i)perylene**	**77.6**	J	ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/28/2018 15:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 19:14	SR
207-08-9	**Benzo(k)fluoranthene**	**114**		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/28/2018 15:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 19:14	SR
218-01-9	**Chrysene**	**136**		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/28/2018 15:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 19:14	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/28/2018 15:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 19:14	SR
206-44-0	**Fluoranthene**	**314**		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/28/2018 15:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 19:14	SR
86-73-7	Fluorene	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/28/2018 15:52 NELAC-NY10854,NJDEP,PADEP	08/29/2018 19:14	SR
193-39-5	**Indeno(1,2,3-cd)pyrene**	**65.6**	J	ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/28/2018 15:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 19:14	SR
91-20-3	Naphthalene	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/28/2018 15:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 19:14	SR
85-01-8	**Phenanthrene**	**192**		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/28/2018 15:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 19:14	SR
129-00-0	**Pyrene**	**228**		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/28/2018 15:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 19:14	SR

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: Nitrobenzene-d5*	*44.2 %*	*22-108*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*42.3 %*	*21-113*

Sample Information

Client Sample ID: SB-03 5-7 **York Sample ID:** 18H1121-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H1121	PQ18052	Soil	August 23, 2018 3:00 pm	08/23/2018

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
1718-51-0	*Surrogate: Terphenyl-d14*	*82.8 %*			*24-116*						

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**	**83.1**		%	0.100	1	SM 2540G	08/25/2018 10:07	08/27/2018 12:37	TAJ
							Certifications: CTDOH			

Sample Information

Client Sample ID: SB-04 5-7 **York Sample ID:** 18H1121-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H1121	PQ18052	Soil	August 23, 2018 3:00 pm	08/23/2018

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	2.9	5.7	1	EPA 8260C	08/27/2018 08:00	08/27/2018 22:27	LL
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/27/2018 08:00	08/27/2018 22:27	LL
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/27/2018 08:00	08/27/2018 22:27	LL
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/27/2018 08:00	08/27/2018 22:27	LL
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/27/2018 08:00	08/27/2018 22:27	LL
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/27/2018 08:00	08/27/2018 22:27	LL
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/27/2018 08:00	08/27/2018 22:27	LL
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/27/2018 08:00	08/27/2018 22:27	LL
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/27/2018 08:00	08/27/2018 22:27	LL
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/27/2018 08:00	08/27/2018 22:27	LL
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/27/2018 08:00	08/27/2018 22:27	LL
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: SB-04 5-7 **York Sample ID:** 18H1121-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H1121	PQ18052	Soil	August 23, 2018 3:00 pm	08/23/2018

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
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:27 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:27 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:27 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:27 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:27 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:27 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:27 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:27 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
123-91-1	1,4-Dioxane	ND		ug/kg dry	57	110	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:27 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
78-93-3	2-Butanone	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:27 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
591-78-6	2-Hexanone	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:27 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:27 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
67-64-1	Acetone	ND		ug/kg dry	5.7	11	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:27 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
107-02-8	Acrolein	ND		ug/kg dry	5.7	11	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:27 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
107-13-1	Acrylonitrile	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:27 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
71-43-2	Benzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:27 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
74-97-5	Bromochloromethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:27 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:27 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
75-25-2	Bromoform	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:27 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
74-83-9	Bromomethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:27 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
75-15-0	Carbon disulfide	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:27 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:27 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
108-90-7	Chlorobenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:27 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL

Sample Information

Client Sample ID: SB-04 5-7 **York Sample ID:** 18H1121-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H1121	PQ18052	Soil	August 23, 2018 3:00 pm	08/23/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-00-3	Chloroethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:27	LL CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
67-66-3	Chloroform	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:27	LL CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-87-3	Chloromethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:27	LL CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:27	LL CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:27	LL CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
110-82-7	Cyclohexane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:27	LL NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:27	LL NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-95-3	Dibromomethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:27	LL NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:27	LL NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:27	LL CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:27	LL NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:27	LL CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
79-20-9	Methyl acetate	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:27	LL NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:27	LL CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:27	LL NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-09-2	Methylene chloride	ND		ug/kg dry	5.7	11	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:27	LL CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:27	LL CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:27	LL CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-47-6	o-Xylene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:27	LL CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.7	11	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:27	LL CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:27	LL CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:27	LL CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-42-5	Styrene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:27	LL CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP

Sample Information

Client Sample ID: SB-04 5-7 **York Sample ID:** 18H1121-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H1121	PQ18052	Soil	August 23, 2018 3:00 pm	08/23/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/27/2018 08:00	08/27/2018 22:27	LL
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/27/2018 08:00	08/27/2018 22:27	LL
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/27/2018 08:00	08/27/2018 22:27	LL
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/27/2018 08:00	08/27/2018 22:27	LL
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/27/2018 08:00	08/27/2018 22:27	LL
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/27/2018 08:00	08/27/2018 22:27	LL
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/27/2018 08:00	08/27/2018 22:27	LL
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/27/2018 08:00	08/27/2018 22:27	LL
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/27/2018 08:00	08/27/2018 22:27	LL
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.6	17	1	EPA 8260C	08/27/2018 08:00	08/27/2018 22:27	LL
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*97.0 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*93.9 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*107 %*	*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	45.8	91.4	2	EPA 8270D	08/28/2018 15:52	08/29/2018 19:44	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		ug/kg dry	45.8	91.4	2	EPA 8270D	08/28/2018 15:52	08/29/2018 19:44	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		ug/kg dry	45.8	91.4	2	EPA 8270D	08/28/2018 15:52	08/29/2018 19:44	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**46.1**	J	ug/kg dry	45.8	91.4	2	EPA 8270D	08/28/2018 15:52	08/29/2018 19:44	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
56-55-3	**Benzo(a)anthracene**	**284**		ug/kg dry	45.8	91.4	2	EPA 8270D	08/28/2018 15:52	08/29/2018 19:44	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	**Benzo(a)pyrene**	**316**		ug/kg dry	45.8	91.4	2	EPA 8270D	08/28/2018 15:52	08/29/2018 19:44	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**306**		ug/kg dry	45.8	91.4	2	EPA 8270D	08/28/2018 15:52	08/29/2018 19:44	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: SB-04 5-7 **York Sample ID:** 18H1121-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H1121	PQ18052	Soil	August 23, 2018 3:00 pm	08/23/2018

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**	**193**		ug/kg dry	45.8	91.4	2	EPA 8270D	08/28/2018 15:52	08/29/2018 19:44	SR
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
207-08-9	**Benzo(k)fluoranthene**	**274**		ug/kg dry	45.8	91.4	2	EPA 8270D	08/28/2018 15:52	08/29/2018 19:44	SR
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
218-01-9	**Chrysene**	**279**		ug/kg dry	45.8	91.4	2	EPA 8270D	08/28/2018 15:52	08/29/2018 19:44	SR
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53-70-3	**Dibenzo(a,h)anthracene**	**57.0**	J	ug/kg dry	45.8	91.4	2	EPA 8270D	08/28/2018 15:52	08/29/2018 19:44	SR
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
206-44-0	**Fluoranthene**	**455**		ug/kg dry	45.8	91.4	2	EPA 8270D	08/28/2018 15:52	08/29/2018 19:44	SR
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
86-73-7	Fluorene	ND		ug/kg dry	45.8	91.4	2	EPA 8270D	08/28/2018 15:52	08/29/2018 19:44	SR
								Certifications: NELAC-NY10854,NJDEP,PADEP			
193-39-5	**Indeno(1,2,3-cd)pyrene**	**200**		ug/kg dry	45.8	91.4	2	EPA 8270D	08/28/2018 15:52	08/29/2018 19:44	SR
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-20-3	Naphthalene	ND		ug/kg dry	45.8	91.4	2	EPA 8270D	08/28/2018 15:52	08/29/2018 19:44	SR
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
85-01-8	**Phenanthrene**	**224**		ug/kg dry	45.8	91.4	2	EPA 8270D	08/28/2018 15:52	08/29/2018 19:44	SR
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
129-00-0	**Pyrene**	**393**		ug/kg dry	45.8	91.4	2	EPA 8270D	08/28/2018 15:52	08/29/2018 19:44	SR
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: Nitrobenzene-d5*	*41.0 %*	*22-108*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*42.2 %*	*21-113*
1718-51-0	*Surrogate: Terphenyl-d14*	*71.8 %*	*24-116*

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**	**90.9**		%	0.100	1	SM 2540G	08/25/2018 10:07	08/27/2018 12:37	TAJ
							Certifications: CTDOH			

Sample Information

Client Sample ID: SB-05 9.5-11.5 **York Sample ID:** 18H1121-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H1121	PQ18052	Soil	August 23, 2018 3:00 pm	08/23/2018

Volatile Organics, 8260 - Comprehensive

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

Sample Information

Client Sample ID: SB-05 9.5-11.5 **York Sample ID:** 18H1121-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H1121	PQ18052	Soil	August 23, 2018 3:00 pm	08/23/2018

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	LL
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 NELAC-NY10854,NELAC-NY12058,NJDEP	LL
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
123-91-1	1,4-Dioxane	ND		ug/kg dry	53	110	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
78-93-3	2-Butanone	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
591-78-6	2-Hexanone	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
67-64-1	Acetone	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL

Sample Information

Client Sample ID: SB-05 9.5-11.5 **York Sample ID:** 18H1121-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H1121	PQ18052	Soil	August 23, 2018 3:00 pm	08/23/2018

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
107-02-8	Acrolein	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
107-13-1	Acrylonitrile	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
71-43-2	Benzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
74-97-5	Bromochloromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
75-25-2	Bromoform	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
74-83-9	Bromomethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
75-15-0	Carbon disulfide	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
108-90-7	Chlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
75-00-3	Chloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
67-66-3	Chloroform	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
74-87-3	Chloromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
110-82-7	Cyclohexane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
74-95-3	Dibromomethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
79-20-9	Methyl acetate	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL

Sample Information

Client Sample ID: SB-05 9.5-11.5 **York Sample ID:** 18H1121-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H1121	PQ18052	Soil	August 23, 2018 3:00 pm	08/23/2018

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
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
75-09-2	Methylene chloride	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
95-47-6	o-Xylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	LL
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	LL
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
100-42-5	Styrene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
108-88-3	Toluene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
79-01-6	Trichloroethylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	LL
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.9	16	1	EPA 8260C Certifications:	08/27/2018 08:00	08/27/2018 22:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	LL

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*101 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*92.5 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*104 %*	*76-130*

Sample Information

Client Sample ID: SB-05 9.5-11.5 **York Sample ID:** 18H1121-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H1121	PQ18052	Soil	August 23, 2018 3:00 pm	08/23/2018

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	43.2	86.2	2	EPA 8270D	08/28/2018 15:52	08/29/2018 20:14	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		ug/kg dry	43.2	86.2	2	EPA 8270D	08/28/2018 15:52	08/29/2018 20:14	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		ug/kg dry	43.2	86.2	2	EPA 8270D	08/28/2018 15:52	08/29/2018 20:14	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		ug/kg dry	43.2	86.2	2	EPA 8270D	08/28/2018 15:52	08/29/2018 20:14	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	43.2	86.2	2	EPA 8270D	08/28/2018 15:52	08/29/2018 20:14	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	43.2	86.2	2	EPA 8270D	08/28/2018 15:52	08/29/2018 20:14	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	43.2	86.2	2	EPA 8270D	08/28/2018 15:52	08/29/2018 20:14	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	43.2	86.2	2	EPA 8270D	08/28/2018 15:52	08/29/2018 20:14	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	43.2	86.2	2	EPA 8270D	08/28/2018 15:52	08/29/2018 20:14	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		ug/kg dry	43.2	86.2	2	EPA 8270D	08/28/2018 15:52	08/29/2018 20:14	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	43.2	86.2	2	EPA 8270D	08/28/2018 15:52	08/29/2018 20:14	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		ug/kg dry	43.2	86.2	2	EPA 8270D	08/28/2018 15:52	08/29/2018 20:14	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	Fluorene	ND		ug/kg dry	43.2	86.2	2	EPA 8270D	08/28/2018 15:52	08/29/2018 20:14	SR
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	43.2	86.2	2	EPA 8270D	08/28/2018 15:52	08/29/2018 20:14	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		ug/kg dry	43.2	86.2	2	EPA 8270D	08/28/2018 15:52	08/29/2018 20:14	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		ug/kg dry	43.2	86.2	2	EPA 8270D	08/28/2018 15:52	08/29/2018 20:14	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	ND		ug/kg dry	43.2	86.2	2	EPA 8270D	08/28/2018 15:52	08/29/2018 20:14	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: Nitrobenzene-d5*	*60.2 %*	*22-108*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*54.4 %*	*21-113*
1718-51-0	*Surrogate: Terphenyl-d14*	*62.9 %*	*24-116*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

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

Sample Information

Client Sample ID: **SB-05 9.5-11.5** **York Sample ID:** **18H1121-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H1121	PQ18052	Soil	August 23, 2018 3:00 pm	08/23/2018

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**	**96.3**		%	0.100	1	SM 2540G	08/25/2018 10:07	08/27/2018 12:37	TAJ
							Certifications: CTDOH			

Analytical Batch Summary

Batch ID: BH81294 **Preparation Method:** % Solids Prep **Prepared By:** TAJ

YORK Sample ID	Client Sample ID	Preparation Date
18H1121-01	SB-03 5-7	08/25/18
18H1121-02	SB-04 5-7	08/25/18
18H1121-03	SB-05 9.5-11.5	08/25/18

Batch ID: BH81362 **Preparation Method:** EPA 5035A **Prepared By:** AS

YORK Sample ID	Client Sample ID	Preparation Date
18H1121-01	SB-03 5-7	08/27/18
18H1121-02	SB-04 5-7	08/27/18
18H1121-03	SB-05 9.5-11.5	08/27/18
BH81362-BLK1	Blank	08/27/18
BH81362-BS1	LCS	08/27/18
BH81362-BSD1	LCS Dup	08/27/18

Batch ID: BH81412 **Preparation Method:** EPA 3550C **Prepared By:** MAT

YORK Sample ID	Client Sample ID	Preparation Date
18H1121-01	SB-03 5-7	08/28/18
18H1121-02	SB-04 5-7	08/28/18
18H1121-03	SB-05 9.5-11.5	08/28/18
BH81412-BLK1	Blank	08/28/18
BH81412-BS1	LCS	08/28/18

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
Batch BH81362 - EPA 5035A											
Blank (BH81362-BLK1)											Prepared & Analyzed: 08/27/2018
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 Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH81362 - EPA 5035A											
Blank (BH81362-BLK1)								Prepared & Analyzed: 08/27/2018			
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	"								
Surrogate: 1,2-Dichloroethane-d4	*48.7*		*ug/L*	*50.0*		*97.4*	*77-125*				
Surrogate: Toluene-d8	*47.6*		*"*	*50.0*		*95.1*	*85-120*				
Surrogate: p-Bromofluorobenzene	*54.1*		*"*	*50.0*		*108*	*76-130*				
LCS (BH81362-BS1)								Prepared & Analyzed: 08/27/2018			
1,1,1,2-Tetrachloroethane	46		ug/L	50.0		91.1	75-129				
1,1,1-Trichloroethane	51		"	50.0		102	71-137				
1,1,2,2-Tetrachloroethane	47		"	50.0		93.0	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	53		"	50.0		107	58-146				
1,1,2-Trichloroethane	46		"	50.0		91.4	83-123				
1,1-Dichloroethane	54		"	50.0		107	75-130				
1,1-Dichloroethylene	50		"	50.0		100	64-137				
1,2,3-Trichlorobenzene	41		"	50.0		82.3	81-140				
1,2,3-Trichloropropane	44		"	50.0		88.9	81-126				
1,2,4-Trichlorobenzene	41		"	50.0		82.5	80-141				
1,2,4-Trimethylbenzene	41		"	50.0		82.9	84-125	Low Bias			
1,2-Dibromo-3-chloropropane	46		"	50.0		91.3	74-142				
1,2-Dibromoethane	48		"	50.0		95.8	86-123				
1,2-Dichlorobenzene	44		"	50.0		87.5	85-122				
1,2-Dichloroethane	53		"	50.0		106	71-133				
1,2-Dichloropropane	47		"	50.0		94.0	81-122				
1,3,5-Trimethylbenzene	44		"	50.0		87.3	82-126				
1,3-Dichlorobenzene	43		"	50.0		86.4	84-124				
1,4-Dichlorobenzene	43		"	50.0		85.9	84-124				
1,4-Dioxane	490		"	1050		46.4	10-228				
2-Butanone	51		"	50.0		102	58-147				
2-Hexanone	48		"	50.0		96.1	70-139				
4-Methyl-2-pentanone	50		"	50.0		99.4	72-132				
Acetone	41		"	50.0		81.4	36-155				
Acrolein	13		"	50.0		26.3	10-238				
Acrylonitrile	56		"	50.0		113	66-141				
Benzene	52		"	50.0		105	77-127				
Bromochloromethane	52		"	50.0		105	74-129				
Bromodichloromethane	48		"	50.0		95.1	81-124				

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
Batch BH81362 - EPA 5035A											
LCS (BH81362-BS1)								Prepared & Analyzed: 08/27/2018			
Bromoform	40		ug/L	50.0		80.7	80-136				
Bromomethane	60		"	50.0		121	32-177				
Carbon disulfide	48		"	50.0		95.9	10-136				
Carbon tetrachloride	50		"	50.0		101	66-143				
Chlorobenzene	45		"	50.0		90.7	86-120				
Chloroethane	49		"	50.0		98.3	51-142				
Chloroform	53		"	50.0		106	76-131				
Chloromethane	51		"	50.0		102	49-132				
cis-1,2-Dichloroethylene	51		"	50.0		102	74-132				
cis-1,3-Dichloropropylene	46		"	50.0		93.0	81-129				
Cyclohexane	54		"	50.0		108	70-130				
Dibromochloromethane	45		"	50.0		90.2	10-200				
Dibromomethane	47		"	50.0		94.5	83-124				
Dichlorodifluoromethane	72		"	50.0		143	28-158				
Ethyl Benzene	47		"	50.0		94.0	84-125				
Hexachlorobutadiene	41		"	50.0		81.3	83-133	Low Bias			
Isopropylbenzene	44		"	50.0		87.2	81-127				
Methyl acetate	45		"	50.0		89.9	41-143				
Methyl tert-butyl ether (MTBE)	52		"	50.0		104	74-131				
Methylcyclohexane	47		"	50.0		93.1	70-130				
Methylene chloride	48		"	50.0		96.8	57-141				
n-Butylbenzene	45		"	50.0		89.5	80-130				
n-Propylbenzene	43		"	50.0		86.9	74-136				
o-Xylene	46		"	50.0		92.3	83-123				
p- & m- Xylenes	94		"	100		94.4	82-128				
p-Isopropyltoluene	46		"	50.0		91.7	85-125				
sec-Butylbenzene	47		"	50.0		93.1	83-125				
Styrene	47		"	50.0		93.1	86-126				
tert-Butyl alcohol (TBA)	1100		"	250		444	70-130	High Bias			
tert-Butylbenzene	44		"	50.0		87.8	80-127				
Tetrachloroethylene	41		"	50.0		82.4	80-129				
Toluene	46		"	50.0		92.0	85-121				
trans-1,2-Dichloroethylene	52		"	50.0		103	72-132				
trans-1,3-Dichloropropylene	47		"	50.0		94.0	78-132				
Trichloroethylene	47		"	50.0		94.5	84-123				
Trichlorofluoromethane	52		"	50.0		104	62-140				
Vinyl Chloride	54		"	50.0		108	52-130				
Surrogate: 1,2-Dichloroethane-d4	*51.1*		*"*	*50.0*		*102*	*77-125*				
Surrogate: Toluene-d8	*46.6*		*"*	*50.0*		*93.1*	*85-120*				
Surrogate: p-Bromofluorobenzene	*49.8*		*"*	*50.0*		*99.5*	*76-130*				

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
Batch BH81362 - EPA 5035A											
LCS Dup (BH81362-BSD1)								Prepared & Analyzed: 08/27/2018			
1,1,1,2-Tetrachloroethane	46		ug/L	50.0		91.0	75-129		0.0659	30	
1,1,1-Trichloroethane	51		"	50.0		103	71-137		0.468	30	
1,1,2,2-Tetrachloroethane	46		"	50.0		92.8	79-129		0.215	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	54		"	50.0		108	58-146		1.28	30	
1,1,2-Trichloroethane	46		"	50.0		92.9	83-123		1.63	30	
1,1-Dichloroethane	54		"	50.0		107	75-130		0.0559	30	
1,1-Dichloroethylene	51		"	50.0		102	64-137		2.09	30	
1,2,3-Trichlorobenzene	41		"	50.0		82.7	81-140		0.582	30	
1,2,3-Trichloropropane	44		"	50.0		88.0	81-126		1.04	30	
1,2,4-Trichlorobenzene	41		"	50.0		82.1	80-141		0.510	30	
1,2,4-Trimethylbenzene	42		"	50.0		84.7	84-125		2.10	30	
1,2-Dibromo-3-chloropropane	46		"	50.0		91.4	74-142		0.0438	30	
1,2-Dibromoethane	48		"	50.0		95.7	86-123		0.0836	30	
1,2-Dichlorobenzene	44		"	50.0		88.5	85-122		1.23	30	
1,2-Dichloroethane	53		"	50.0		107	71-133		0.563	30	
1,2-Dichloropropane	48		"	50.0		95.9	81-122		1.94	30	
1,3,5-Trimethylbenzene	43		"	50.0		86.9	82-126		0.436	30	
1,3-Dichlorobenzene	44		"	50.0		87.9	84-124		1.74	30	
1,4-Dichlorobenzene	44		"	50.0		87.4	84-124		1.68	30	
1,4-Dioxane	450		"	1050		43.1	10-228		7.40	30	
2-Butanone	55		"	50.0		111	58-147		8.03	30	
2-Hexanone	48		"	50.0		95.2	70-139		0.941	30	
4-Methyl-2-pentanone	50		"	50.0		101	72-132		1.38	30	
Acetone	41		"	50.0		81.7	36-155		0.442	30	
Acrolein	13		"	50.0		26.9	10-238		2.26	30	
Acrylonitrile	53		"	50.0		105	66-141		6.70	30	
Benzene	53		"	50.0		105	77-127		0.305	30	
Bromochloromethane	54		"	50.0		107	74-129		2.09	30	
Bromodichloromethane	48		"	50.0		95.7	81-124		0.650	30	
Bromoform	42		"	50.0		83.0	80-136		2.76	30	
Bromomethane	62		"	50.0		124	32-177		2.51	30	
Carbon disulfide	49		"	50.0		97.7	10-136		1.88	30	
Carbon tetrachloride	50		"	50.0		101	66-143		0.417	30	
Chlorobenzene	46		"	50.0		92.2	86-120		1.73	30	
Chloroethane	56		"	50.0		111	51-142		12.3	30	
Chloroform	53		"	50.0		106	76-131		0.169	30	
Chloromethane	53		"	50.0		106	49-132		3.65	30	
cis-1,2-Dichloroethylene	52		"	50.0		104	74-132		2.39	30	
cis-1,3-Dichloropropylene	47		"	50.0		93.5	81-129		0.558	30	
Cyclohexane	54		"	50.0		108	70-130		0.612	30	
Dibromochloromethane	46		"	50.0		92.3	10-200		2.28	30	
Dibromomethane	46		"	50.0		93.0	83-124		1.56	30	
Dichlorodifluoromethane	62		"	50.0		123	28-158		14.9	30	
Ethyl Benzene	47		"	50.0		94.3	84-125		0.319	30	
Hexachlorobutadiene	42		"	50.0		84.9	83-133		4.26	30	
Isopropylbenzene	44		"	50.0		87.4	81-127		0.275	30	
Methyl acetate	52		"	50.0		103	41-143		13.6	30	
Methyl tert-butyl ether (MTBE)	53		"	50.0		105	74-131		0.840	30	
Methylcyclohexane	47		"	50.0		94.5	70-130		1.47	30	
Methylene chloride	49		"	50.0		98.8	57-141		2.02	30	
n-Butylbenzene	46		"	50.0		91.1	80-130		1.73	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
Batch BH81362 - EPA 5035A											
LCS Dup (BH81362-BSD1)								Prepared & Analyzed: 08/27/2018			
n-Propylbenzene	44		ug/L	50.0		88.0	74-136		1.21	30	
o-Xylene	46		"	50.0		92.8	83-123		0.540	30	
p- & m- Xylenes	95		"	100		94.7	82-128		0.317	30	
p-Isopropyltoluene	46		"	50.0		92.6	85-125		1.04	30	
sec-Butylbenzene	47		"	50.0		94.4	83-125		1.32	30	
Styrene	47		"	50.0		93.8	86-126		0.728	30	
tert-Butyl alcohol (TBA)	1100		"	250		435	70-130	High Bias	2.04	30	
tert-Butylbenzene	45		"	50.0		89.3	80-127		1.72	30	
Tetrachloroethylene	42		"	50.0		83.4	80-129		1.21	30	
Toluene	46		"	50.0		92.0	85-121		0.0870	30	
trans-1,2-Dichloroethylene	52		"	50.0		104	72-132		0.579	30	
trans-1,3-Dichloropropylene	48		"	50.0		95.2	78-132		1.25	30	
Trichloroethylene	48		"	50.0		95.5	84-123		0.990	30	
Trichlorofluoromethane	56		"	50.0		113	62-140		8.05	30	
Vinyl Chloride	55		"	50.0		110	52-130		1.93	30	
Surrogate: 1,2-Dichloroethane-d4	*51.0*		*"*	*50.0*		*102*	*77-125*				
Surrogate: Toluene-d8	*46.0*		*"*	*50.0*		*92.0*	*85-120*				
Surrogate: p-Bromofluorobenzene	*49.1*		*"*	*50.0*		*98.2*	*76-130*				

Semivolatile 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
Batch BH81412 - EPA 3550C											
Blank (BH81412-BLK1)											Prepared: 08/28/2018 Analyzed: 08/29/2018
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: Nitrobenzene-d5	*873*		*"*	*833*		*105*	*22-108*				
Surrogate: 2-Fluorobiphenyl	*758*		*"*	*833*		*91.0*	*21-113*				
Surrogate: Terphenyl-d14	*1330*		*"*	*833*		*160*	*24-116*				
LCS (BH81412-BS1)											Prepared: 08/28/2018 Analyzed: 08/29/2018
2-Methylnaphthalene	590	41.7	ug/kg wet	833		70.8	16-127				
Acenaphthene	536	41.7	"	833		64.3	17-124				
Acenaphthylene	464	41.7	"	833		55.7	16-124				
Anthracene	581	41.7	"	833		69.8	24-124				
Benzo(a)anthracene	577	41.7	"	833		69.2	25-134				
Benzo(a)pyrene	652	41.7	"	833		78.2	29-144				
Benzo(b)fluoranthene	590	41.7	"	833		70.8	20-151				
Benzo(g,h,i)perylene	575	41.7	"	833		69.0	10-153				
Benzo(k)fluoranthene	623	41.7	"	833		74.7	10-148				
Chrysene	578	41.7	"	833		69.3	24-116				
Dibenzo(a,h)anthracene	615	41.7	"	833		73.8	17-147				
Fluoranthene	639	41.7	"	833		76.7	36-125				
Fluorene	566	41.7	"	833		67.9	16-130				
Indeno(1,2,3-cd)pyrene	598	41.7	"	833		71.8	10-155				
Naphthalene	578	41.7	"	833		69.3	20-121				
Phenanthrene	603	41.7	"	833		72.4	24-123				
Pyrene	722	41.7	"	833		86.7	24-132				
Surrogate: Nitrobenzene-d5	*682*		*"*	*833*		*81.8*	*22-108*				
Surrogate: 2-Fluorobiphenyl	*623*		*"*	*833*		*74.8*	*21-113*				
Surrogate: Terphenyl-d14	*995*		*"*	*833*		*119*	*24-116*				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
18H1121-01	SB-03 5-7	40mL Vial with Stir Bar-Cool 4° C
18H1121-02	SB-04 5-7	40mL Vial with Stir Bar-Cool 4° C
18H1121-03	SB-05 9.5-11.5	40mL Vial with Stir Bar-Cool 4° C

Sample and Data Qualifiers Relating to This Work Order

S-08	The recovery of this surrogate was outside of QC limits.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
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.

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

Field Chain-of-Custody Record

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 18H 1121

Page 1 of 1

YOUR Information	Report To:	Invoice To:
Company: WCD Group	Company:	Company:
Address: 24 Davis Avenue Poughkeepsie, NY	Address:	Address:
Phone.: 845-452-1658	Phone.:	Phone.:
Contact: Tyler Gadnaught	Contact: Tyler Gadnaught	Contact: Brenda Wells
E-mail:	E-mail:	E-mail:

YOUR Project Number: PQ18052

YOUR Project Name: PQ18052.20

YOUR PO#:

Turn-Around Time

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

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

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

Matrix Codes

S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil ⋮ Other

Samples From

New York	X
New Jersey	
Connecticut	
Pennsylvania	
Other	

Report / EDD Type (circle selections)

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

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

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
SB-03 5-7	S	8/23/18	VOC 8260, PAHs 8270	1x40AKIT, 1x8oz JAR
SB-04 ~~4.5-7.5~~ 5-7				
SB-05 9.5-11.5				

Comments:

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

Special Instruction
Field Filtered ___
Lab to Filter ___

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
[signature]	8/23/18	[signature]	8/23/18 10m	[signature]	8/23/18 4:51 pm
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
[signature]	8/23/18 4:51pm	[signature]	8/23/18 1912	[signature]	
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Temp. Received at Lab
				[signature] 8-23-18 1912	1.8 Degrees C

Technical Report

prepared for:

WCD Group
23 Route 31 North, Suite B26
Pennington NJ, 08534
Attention: Tyler Goodnough

Report Date: 10/30/2018
Client Project ID: PQ18052
York Project (SDG) No.: 18J1115

Report Date: 10/30/2018
Client Project ID: PQ18052
York Project (SDG) No.: 18J1115

WCD Group
23 Route 31 North, Suite B26
Pennington NJ, 08534
Attention: Tyler Goodnough

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 October 23, 2018 and listed below. The project was identified as your project: **PQ18052**.

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

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

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

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
18J1115-01	HB-01 2-3	Soil	10/22/2018	10/23/2018
18J1115-02	HB-02 2-3	Soil	10/22/2018	10/23/2018
18J1115-03	HB-03 3-4	Soil	10/22/2018	10/23/2018
18J1115-04	HB-04 3-4	Soil	10/22/2018	10/23/2018
18J1115-05	HB-05 5-6	Soil	10/22/2018	10/23/2018
18J1115-06	HB-06 4-5	Soil	10/22/2018	10/23/2018
18J1115-07	SB-06 4-5	Soil	10/22/2018	10/23/2018
18J1115-08	SB-07 4-5	Soil	10/22/2018	10/23/2018
18J1115-09	SB-08 4-5	Soil	10/22/2018	10/23/2018
18J1115-10	SB-09 4-5	Soil	10/22/2018	10/23/2018

General Notes for York Project (SDG) No.: 18J1115

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

Approved By: 

Date: 10/30/2018

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: HB-01 2-3 **York Sample ID:** 18J1115-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18J1115	PQ18052	Soil	October 22, 2018 12:00 am	10/23/2018

Volatile Organics, 8260 Halogenated List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	10/27/2018 02:30	10/27/2018 02:30	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	10/27/2018 02:30	10/27/2018 02:30	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	10/27/2018 02:30	10/27/2018 02:30	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	10/27/2018 02:30	10/27/2018 02:30	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	10/27/2018 02:30	10/27/2018 02:30	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	10/27/2018 02:30	10/27/2018 02:30	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	10/27/2018 02:30	10/27/2018 02:30	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	10/27/2018 02:30	10/27/2018 02:30	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	10/27/2018 02:30	10/27/2018 02:30	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	10/27/2018 02:30	10/27/2018 02:30	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	10/27/2018 02:30	10/27/2018 02:30	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	10/27/2018 02:30	10/27/2018 02:30	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	10/27/2018 02:30	10/27/2018 02:30	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	10/27/2018 02:30	10/27/2018 02:30	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	10/27/2018 02:30	10/27/2018 02:30	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	10/27/2018 02:30	10/27/2018 02:30	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	10/27/2018 02:30	10/27/2018 02:30	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	10/27/2018 02:30	10/27/2018 02:30	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	10/27/2018 02:30	10/27/2018 02:30	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	10/27/2018 02:30	10/27/2018 02:30	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058		

Sample Information

Client Sample ID: HB-01 2-3 **York Sample ID:** 18J1115-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18J1115	PQ18052	Soil	October 22, 2018 12:00 am	10/23/2018

Volatile Organics, 8260 Halogenated List

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
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	10/27/2018 02:30	10/27/2018 02:30	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	10/27/2018 02:30	10/27/2018 02:30	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
108-86-1	Bromobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	10/27/2018 02:30	10/27/2018 02:30	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
74-97-5	Bromochloromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	10/27/2018 02:30	10/27/2018 02:30	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	10/27/2018 02:30	10/27/2018 02:30	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
75-25-2	Bromoform	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	10/27/2018 02:30	10/27/2018 02:30	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
74-83-9	Bromomethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	10/27/2018 02:30	10/27/2018 02:30	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	10/27/2018 02:30	10/27/2018 02:30	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
108-90-7	Chlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	10/27/2018 02:30	10/27/2018 02:30	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
75-00-3	Chloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	10/27/2018 02:30	10/27/2018 02:30	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
67-66-3	Chloroform	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	10/27/2018 02:30	10/27/2018 02:30	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
74-87-3	Chloromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	10/27/2018 02:30	10/27/2018 02:30	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	10/27/2018 02:30	10/27/2018 02:30	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	10/27/2018 02:30	10/27/2018 02:30	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	10/27/2018 02:30	10/27/2018 02:30	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
74-95-3	Dibromomethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	10/27/2018 02:30	10/27/2018 02:30	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	10/27/2018 02:30	10/27/2018 02:30	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	10/27/2018 02:30	10/27/2018 02:30	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
75-09-2	Methylene chloride	ND		ug/kg dry	5.3	11	1	EPA 8260C	10/27/2018 02:30	10/27/2018 02:30	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	10/27/2018 02:30	10/27/2018 02:30	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	10/27/2018 02:30	10/27/2018 02:30	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		

Sample Information

Client Sample ID: HB-01 2-3 **York Sample ID:** 18J1115-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18J1115	PQ18052	Soil	October 22, 2018 12:00 am	10/23/2018

Volatile Organics, 8260 Halogenated List

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
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	10/27/2018 02:30	10/27/2018 02:30	LLJ
								Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1			
79-01-6	Trichloroethylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	10/27/2018 02:30	10/27/2018 02:30	LLJ
								Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1			
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	10/27/2018 02:30	10/27/2018 02:30	LLJ
								Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1			
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	10/27/2018 02:30	10/27/2018 02:30	LLJ
								Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1			

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*90.6 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*98.7 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*103 %*	*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**	**84.6**		%	0.100	1	SM 2540G	10/25/2018 11:00	10/29/2018 15:29	AS
							Certifications: CTDOH			

Sample Information

Client Sample ID: HB-02 2-3 **York Sample ID:** 18J1115-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18J1115	PQ18052	Soil	October 22, 2018 12:00 am	10/23/2018

Volatile Organics, 8260 Halogenated List

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	2.9	5.7	1	EPA 8260C	10/27/2018 03:02	10/27/2018 03:02	LLJ
								Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1			
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/27/2018 03:02	10/27/2018 03:02	LLJ
								Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/27/2018 03:02	10/27/2018 03:02	LLJ
								Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/27/2018 03:02	10/27/2018 03:02	LLJ
								Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1			

Sample Information

Client Sample ID: HB-02 2-3 **York Sample ID:** 18J1115-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18J1115	PQ18052	Soil	October 22, 2018 12:00 am	10/23/2018

Volatile Organics, 8260 Halogenated List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	10/27/2018 03:02 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 03:02	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	10/27/2018 03:02 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 03:02	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	10/27/2018 03:02 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 03:02	LLJ
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	10/27/2018 03:02 NELAC-NY10854,NJDEP,NELAC-NY12058,PAI	10/27/2018 03:02	LLJ
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	10/27/2018 03:02 NELAC-NY10854,NJDEP,NELAC-NY12058,PAI	10/27/2018 03:02	LLJ
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	10/27/2018 03:02 NELAC-NY10854,NJDEP,NELAC-NY12058	10/27/2018 03:02	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	10/27/2018 03:02 NELAC-NY10854,NJDEP,NELAC-NY12058,PAI	10/27/2018 03:02	LLJ
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	10/27/2018 03:02 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 03:02	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	10/27/2018 03:02 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 03:02	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	10/27/2018 03:02 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 03:02	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	10/27/2018 03:02 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 03:02	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	10/27/2018 03:02 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 03:02	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	10/27/2018 03:02 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 03:02	LLJ
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	10/27/2018 03:02 NELAC-NY10854,NJDEP,NELAC-NY12058,PAI	10/27/2018 03:02	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	10/27/2018 03:02 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 03:02	LLJ
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	10/27/2018 03:02 NELAC-NY10854,NJDEP,NELAC-NY12058	10/27/2018 03:02	LLJ
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	10/27/2018 03:02 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 03:02	LLJ
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	10/27/2018 03:02 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 03:02	LLJ
108-86-1	Bromobenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	10/27/2018 03:02 NELAC-NY10854,NJDEP,NELAC-NY12058,PAI	10/27/2018 03:02	LLJ
74-97-5	Bromochloromethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	10/27/2018 03:02 NELAC-NY10854,NJDEP,NELAC-NY12058,PAI	10/27/2018 03:02	LLJ
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	10/27/2018 03:02 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 03:02	LLJ

Sample Information

Client Sample ID: HB-02 2-3 **York Sample ID:** 18J1115-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18J1115	PQ18052	Soil	October 22, 2018 12:00 am	10/23/2018

Volatile Organics, 8260 Halogenated List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-25-2	Bromoform	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/27/2018 03:02	10/27/2018 03:02	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
74-83-9	Bromomethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/27/2018 03:02	10/27/2018 03:02	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/27/2018 03:02	10/27/2018 03:02	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
108-90-7	Chlorobenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/27/2018 03:02	10/27/2018 03:02	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
75-00-3	Chloroethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/27/2018 03:02	10/27/2018 03:02	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
67-66-3	Chloroform	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/27/2018 03:02	10/27/2018 03:02	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
74-87-3	Chloromethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/27/2018 03:02	10/27/2018 03:02	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/27/2018 03:02	10/27/2018 03:02	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/27/2018 03:02	10/27/2018 03:02	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/27/2018 03:02	10/27/2018 03:02	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
74-95-3	Dibromomethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/27/2018 03:02	10/27/2018 03:02	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/27/2018 03:02	10/27/2018 03:02	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/27/2018 03:02	10/27/2018 03:02	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
75-09-2	Methylene chloride	ND		ug/kg dry	5.7	11	1	EPA 8260C	10/27/2018 03:02	10/27/2018 03:02	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/27/2018 03:02	10/27/2018 03:02	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/27/2018 03:02	10/27/2018 03:02	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/27/2018 03:02	10/27/2018 03:02	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
79-01-6	Trichloroethylene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/27/2018 03:02	10/27/2018 03:02	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/27/2018 03:02	10/27/2018 03:02	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/27/2018 03:02	10/27/2018 03:02	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*91.3 %*	*77-125*

Sample Information

Client Sample ID: HB-02 2-3 **York Sample ID:** 18J1115-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18J1115	PQ18052	Soil	October 22, 2018 12:00 am	10/23/2018

Volatile Organics, 8260 Halogenated List

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
2037-26-5	*Surrogate: SURR: Toluene-d8*	*97.4 %*			*85-120*						
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*103 %*			*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**	**93.5**		%	0.100	1	SM 2540G Certifications: CTDOH	10/25/2018 11:00	10/29/2018 15:29	AS

Sample Information

Client Sample ID: HB-03 3-4 **York Sample ID:** 18J1115-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18J1115	PQ18052	Soil	October 22, 2018 12:00 am	10/23/2018

Volatile Organics, 8260 Halogenated List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 03:33	10/27/2018 03:33	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 03:33	10/27/2018 03:33	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 03:33	10/27/2018 03:33	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 03:33	10/27/2018 03:33	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 03:33	10/27/2018 03:33	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 03:33	10/27/2018 03:33	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 03:33	10/27/2018 03:33	LLJ
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PAI	10/27/2018 03:33	10/27/2018 03:33	LLJ
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PAI	10/27/2018 03:33	10/27/2018 03:33	LLJ

Sample Information

Client Sample ID: HB-03 3-4 **York Sample ID:** 18J1115-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18J1115	PQ18052	Soil	October 22, 2018 12:00 am	10/23/2018

Volatile Organics, 8260 Halogenated List

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
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/27/2018 03:33	10/27/2018 03:33	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/27/2018 03:33	10/27/2018 03:33	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/27/2018 03:33	10/27/2018 03:33	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/27/2018 03:33	10/27/2018 03:33	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/27/2018 03:33	10/27/2018 03:33	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/27/2018 03:33	10/27/2018 03:33	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/27/2018 03:33	10/27/2018 03:33	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/27/2018 03:33	10/27/2018 03:33	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/27/2018 03:33	10/27/2018 03:33	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/27/2018 03:33	10/27/2018 03:33	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/27/2018 03:33	10/27/2018 03:33	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058		
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/27/2018 03:33	10/27/2018 03:33	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/27/2018 03:33	10/27/2018 03:33	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
108-86-1	Bromobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/27/2018 03:33	10/27/2018 03:33	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
74-97-5	Bromochloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/27/2018 03:33	10/27/2018 03:33	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/27/2018 03:33	10/27/2018 03:33	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
75-25-2	Bromoform	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/27/2018 03:33	10/27/2018 03:33	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
74-83-9	Bromomethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/27/2018 03:33	10/27/2018 03:33	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/27/2018 03:33	10/27/2018 03:33	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
108-90-7	Chlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/27/2018 03:33	10/27/2018 03:33	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
75-00-3	Chloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/27/2018 03:33	10/27/2018 03:33	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		

Sample Information

Client Sample ID: HB-03 3-4 **York Sample ID:** 18J1115-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18J1115	PQ18052	Soil	October 22, 2018 12:00 am	10/23/2018

Volatile Organics, 8260 Halogenated List

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
67-66-3	Chloroform	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/27/2018 03:33	10/27/2018 03:33	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
74-87-3	Chloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/27/2018 03:33	10/27/2018 03:33	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/27/2018 03:33	10/27/2018 03:33	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/27/2018 03:33	10/27/2018 03:33	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/27/2018 03:33	10/27/2018 03:33	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
74-95-3	Dibromomethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/27/2018 03:33	10/27/2018 03:33	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/27/2018 03:33	10/27/2018 03:33	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/27/2018 03:33	10/27/2018 03:33	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
75-09-2	Methylene chloride	ND		ug/kg dry	4.8	9.6	1	EPA 8260C	10/27/2018 03:33	10/27/2018 03:33	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/27/2018 03:33	10/27/2018 03:33	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/27/2018 03:33	10/27/2018 03:33	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/27/2018 03:33	10/27/2018 03:33	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
79-01-6	Trichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/27/2018 03:33	10/27/2018 03:33	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/27/2018 03:33	10/27/2018 03:33	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/27/2018 03:33	10/27/2018 03:33	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*89.0 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*98.4 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*102 %*	*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**	**96.7**		%	0.100	1	SM 2540G	10/25/2018 11:00	10/29/2018 15:29	AS
							Certifications:	CTDOH		

Sample Information

Client Sample ID: **HB-03 3-4** **York Sample ID:** **18J1115-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18J1115	PQ18052	Soil	October 22, 2018 12:00 am	10/23/2018

Sample Information

Client Sample ID: **HB-04 3-4** **York Sample ID:** **18J1115-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18J1115	PQ18052	Soil	October 22, 2018 12:00 am	10/23/2018

Volatile Organics, 8260 Halogenated List **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	4.7	1	EPA 8260C	10/27/2018 04:05	10/27/2018 04:05	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/27/2018 04:05	10/27/2018 04:05	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/27/2018 04:05	10/27/2018 04:05	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/27/2018 04:05	10/27/2018 04:05	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/27/2018 04:05	10/27/2018 04:05	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/27/2018 04:05	10/27/2018 04:05	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/27/2018 04:05	10/27/2018 04:05	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/27/2018 04:05	10/27/2018 04:05	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/27/2018 04:05	10/27/2018 04:05	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/27/2018 04:05	10/27/2018 04:05	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/27/2018 04:05	10/27/2018 04:05	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/27/2018 04:05	10/27/2018 04:05	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/27/2018 04:05	10/27/2018 04:05	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/27/2018 04:05	10/27/2018 04:05	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/27/2018 04:05	10/27/2018 04:05	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/27/2018 04:05	10/27/2018 04:05	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/27/2018 04:05	10/27/2018 04:05	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		

Sample Information

Client Sample ID: HB-04 3-4 **York Sample ID:** 18J1115-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18J1115	PQ18052	Soil	October 22, 2018 12:00 am	10/23/2018

Volatile Organics, 8260 Halogenated List

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
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications:	10/27/2018 04:05 NELAC-NY10854,NJDEP,NELAC-NY12058,PAI	10/27/2018 04:05	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications:	10/27/2018 04:05 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 04:05	LLJ
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications:	10/27/2018 04:05 NELAC-NY10854,NJDEP,NELAC-NY12058	10/27/2018 04:05	LLJ
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications:	10/27/2018 04:05 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 04:05	LLJ
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications:	10/27/2018 04:05 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 04:05	LLJ
108-86-1	Bromobenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications:	10/27/2018 04:05 NELAC-NY10854,NJDEP,NELAC-NY12058,PAI	10/27/2018 04:05	LLJ
74-97-5	Bromochloromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications:	10/27/2018 04:05 NELAC-NY10854,NJDEP,NELAC-NY12058,PAI	10/27/2018 04:05	LLJ
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications:	10/27/2018 04:05 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 04:05	LLJ
75-25-2	Bromoform	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications:	10/27/2018 04:05 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 04:05	LLJ
74-83-9	Bromomethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications:	10/27/2018 04:05 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 04:05	LLJ
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications:	10/27/2018 04:05 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 04:05	LLJ
108-90-7	Chlorobenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications:	10/27/2018 04:05 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 04:05	LLJ
75-00-3	Chloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications:	10/27/2018 04:05 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 04:05	LLJ
67-66-3	Chloroform	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications:	10/27/2018 04:05 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 04:05	LLJ
74-87-3	Chloromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications:	10/27/2018 04:05 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 04:05	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications:	10/27/2018 04:05 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 04:05	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications:	10/27/2018 04:05 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 04:05	LLJ
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications:	10/27/2018 04:05 NELAC-NY10854,NJDEP,NELAC-NY12058,PAI	10/27/2018 04:05	LLJ
74-95-3	Dibromomethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications:	10/27/2018 04:05 NELAC-NY10854,NJDEP,NELAC-NY12058,PAI	10/27/2018 04:05	LLJ
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications:	10/27/2018 04:05 NELAC-NY10854,NJDEP,NELAC-NY12058,PAI	10/27/2018 04:05	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications:	10/27/2018 04:05 NELAC-NY10854,NJDEP,NELAC-NY12058,PAI	10/27/2018 04:05	LLJ

Sample Information

Client Sample ID: HB-04 3-4 **York Sample ID:** 18J1115-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18J1115	PQ18052	Soil	October 22, 2018 12:00 am	10/23/2018

Volatile Organics, 8260 Halogenated List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-09-2	Methylene chloride	ND		ug/kg dry	4.7	9.4	1	EPA 8260C	10/27/2018 04:05	10/27/2018 04:05	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/27/2018 04:05	10/27/2018 04:05	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/27/2018 04:05	10/27/2018 04:05	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/27/2018 04:05	10/27/2018 04:05	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
79-01-6	Trichloroethylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/27/2018 04:05	10/27/2018 04:05	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/27/2018 04:05	10/27/2018 04:05	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/27/2018 04:05	10/27/2018 04:05	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*89.1 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*97.9 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*102 %*	*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**	**96.7**		%	0.100	1	SM 2540G	10/25/2018 11:00	10/29/2018 15:29	AS
							Certifications:	CTDOH		

Sample Information

Client Sample ID: HB-05 5-6 **York Sample ID:** 18J1115-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18J1115	PQ18052	Soil	October 22, 2018 12:00 am	10/23/2018

Volatile Organics, 8260 Halogenated List

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	10/27/2018 04:37	10/27/2018 04:37	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		

Sample Information

Client Sample ID: HB-05 5-6 **York Sample ID:** 18J1115-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18J1115	PQ18052	Soil	October 22, 2018 12:00 am	10/23/2018

Volatile Organics, 8260 Halogenated List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	10/27/2018 04:37 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 04:37	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	10/27/2018 04:37 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 04:37	LLJ
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:	10/27/2018 04:37 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 04:37	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	10/27/2018 04:37 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 04:37	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	10/27/2018 04:37 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 04:37	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	10/27/2018 04:37 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 04:37	LLJ
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	10/27/2018 04:37 NELAC-NY10854,NJDEP,NELAC-NY12058,PAI	10/27/2018 04:37	LLJ
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	10/27/2018 04:37 NELAC-NY10854,NJDEP,NELAC-NY12058,PAI	10/27/2018 04:37	LLJ
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	10/27/2018 04:37 NELAC-NY10854,NJDEP,NELAC-NY12058	10/27/2018 04:37	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	10/27/2018 04:37 NELAC-NY10854,NJDEP,NELAC-NY12058,PAI	10/27/2018 04:37	LLJ
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	10/27/2018 04:37 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 04:37	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	10/27/2018 04:37 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 04:37	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	10/27/2018 04:37 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 04:37	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	10/27/2018 04:37 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 04:37	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	10/27/2018 04:37 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 04:37	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	10/27/2018 04:37 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 04:37	LLJ
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	10/27/2018 04:37 NELAC-NY10854,NJDEP,NELAC-NY12058,PAI	10/27/2018 04:37	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	10/27/2018 04:37 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 04:37	LLJ
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	10/27/2018 04:37 NELAC-NY10854,NJDEP,NELAC-NY12058	10/27/2018 04:37	LLJ
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	10/27/2018 04:37 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 04:37	LLJ
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	10/27/2018 04:37 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 04:37	LLJ

Sample Information

Client Sample ID: HB-05 5-6 **York Sample ID:** 18J1115-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18J1115	PQ18052	Soil	October 22, 2018 12:00 am	10/23/2018

Volatile Organics, 8260 Halogenated List

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
108-86-1	Bromobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/27/2018 04:37	10/27/2018 04:37	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
74-97-5	Bromochloromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/27/2018 04:37	10/27/2018 04:37	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/27/2018 04:37	10/27/2018 04:37	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
75-25-2	Bromoform	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/27/2018 04:37	10/27/2018 04:37	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
74-83-9	Bromomethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/27/2018 04:37	10/27/2018 04:37	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/27/2018 04:37	10/27/2018 04:37	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
108-90-7	Chlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/27/2018 04:37	10/27/2018 04:37	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
75-00-3	Chloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/27/2018 04:37	10/27/2018 04:37	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
67-66-3	Chloroform	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/27/2018 04:37	10/27/2018 04:37	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
74-87-3	Chloromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/27/2018 04:37	10/27/2018 04:37	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/27/2018 04:37	10/27/2018 04:37	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/27/2018 04:37	10/27/2018 04:37	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/27/2018 04:37	10/27/2018 04:37	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
74-95-3	Dibromomethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/27/2018 04:37	10/27/2018 04:37	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/27/2018 04:37	10/27/2018 04:37	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/27/2018 04:37	10/27/2018 04:37	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
75-09-2	Methylene chloride	ND		ug/kg dry	5.0	9.9	1	EPA 8260C	10/27/2018 04:37	10/27/2018 04:37	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/27/2018 04:37	10/27/2018 04:37	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/27/2018 04:37	10/27/2018 04:37	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/27/2018 04:37	10/27/2018 04:37	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
79-01-6	Trichloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/27/2018 04:37	10/27/2018 04:37	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		

Sample Information

Client Sample ID: HB-05 5-6 **York Sample ID:** 18J1115-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18J1115	PQ18052	Soil	October 22, 2018 12:00 am	10/23/2018

Volatile Organics, 8260 Halogenated List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/27/2018 04:37	10/27/2018 04:37	LLJ
								Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12			
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/27/2018 04:37	10/27/2018 04:37	LLJ
								Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12			

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*88.7 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*97.6 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*105 %*	*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**	**91.6**		%	0.100	1	SM 2540G	10/25/2018 11:00	10/29/2018 15:29	AS
							Certifications: CTDOH			

Sample Information

Client Sample ID: HB-06 4-5 **York Sample ID:** 18J1115-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18J1115	PQ18052	Soil	October 22, 2018 12:00 am	10/23/2018

Volatile Organics, 8260 Halogenated List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	10/27/2018 05:09	10/27/2018 05:09	LLJ
								Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12			
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	10/27/2018 05:09	10/27/2018 05:09	LLJ
								Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	10/27/2018 05:09	10/27/2018 05:09	LLJ
								Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	10/27/2018 05:09	10/27/2018 05:09	LLJ
								Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12			
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	10/27/2018 05:09	10/27/2018 05:09	LLJ
								Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12			
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	10/27/2018 05:09	10/27/2018 05:09	LLJ
								Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12			

Sample Information

Client Sample ID: HB-06 4-5 **York Sample ID:** 18J1115-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18J1115	PQ18052	Soil	October 22, 2018 12:00 am	10/23/2018

Volatile Organics, 8260 Halogenated List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications:	10/27/2018 05:09 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 05:09	LLJ
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications:	10/27/2018 05:09 NELAC-NY10854,NJDEP,NELAC-NY12058,PAI	10/27/2018 05:09	LLJ
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications:	10/27/2018 05:09 NELAC-NY10854,NJDEP,NELAC-NY12058,PAI	10/27/2018 05:09	LLJ
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications:	10/27/2018 05:09 NELAC-NY10854,NJDEP,NELAC-NY12058	10/27/2018 05:09	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications:	10/27/2018 05:09 NELAC-NY10854,NJDEP,NELAC-NY12058,PAI	10/27/2018 05:09	LLJ
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications:	10/27/2018 05:09 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 05:09	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications:	10/27/2018 05:09 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 05:09	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications:	10/27/2018 05:09 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 05:09	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications:	10/27/2018 05:09 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 05:09	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications:	10/27/2018 05:09 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 05:09	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications:	10/27/2018 05:09 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 05:09	LLJ
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications:	10/27/2018 05:09 NELAC-NY10854,NJDEP,NELAC-NY12058,PAI	10/27/2018 05:09	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications:	10/27/2018 05:09 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 05:09	LLJ
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications:	10/27/2018 05:09 NELAC-NY10854,NJDEP,NELAC-NY12058	10/27/2018 05:09	LLJ
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications:	10/27/2018 05:09 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 05:09	LLJ
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications:	10/27/2018 05:09 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 05:09	LLJ
108-86-1	Bromobenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications:	10/27/2018 05:09 NELAC-NY10854,NJDEP,NELAC-NY12058,PAI	10/27/2018 05:09	LLJ
74-97-5	Bromochloromethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications:	10/27/2018 05:09 NELAC-NY10854,NJDEP,NELAC-NY12058,PAI	10/27/2018 05:09	LLJ
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications:	10/27/2018 05:09 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 05:09	LLJ
75-25-2	Bromoform	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications:	10/27/2018 05:09 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 05:09	LLJ
74-83-9	Bromomethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications:	10/27/2018 05:09 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 05:09	LLJ

Sample Information

Client Sample ID: HB-06 4-5 **York Sample ID:** 18J1115-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18J1115	PQ18052	Soil	October 22, 2018 12:00 am	10/23/2018

Volatile Organics, 8260 Halogenated List

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
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	10/27/2018 05:09	10/27/2018 05:09	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
108-90-7	Chlorobenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	10/27/2018 05:09	10/27/2018 05:09	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
75-00-3	Chloroethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	10/27/2018 05:09	10/27/2018 05:09	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
67-66-3	Chloroform	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	10/27/2018 05:09	10/27/2018 05:09	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
74-87-3	Chloromethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	10/27/2018 05:09	10/27/2018 05:09	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	10/27/2018 05:09	10/27/2018 05:09	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	10/27/2018 05:09	10/27/2018 05:09	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	10/27/2018 05:09	10/27/2018 05:09	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
74-95-3	Dibromomethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	10/27/2018 05:09	10/27/2018 05:09	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	10/27/2018 05:09	10/27/2018 05:09	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	10/27/2018 05:09	10/27/2018 05:09	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
75-09-2	Methylene chloride	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	10/27/2018 05:09	10/27/2018 05:09	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	10/27/2018 05:09	10/27/2018 05:09	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	10/27/2018 05:09	10/27/2018 05:09	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	10/27/2018 05:09	10/27/2018 05:09	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
79-01-6	Trichloroethylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	10/27/2018 05:09	10/27/2018 05:09	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	10/27/2018 05:09	10/27/2018 05:09	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	10/27/2018 05:09	10/27/2018 05:09	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*88.9 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*99.4 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*109 %*	*76-130*

Sample Information

Client Sample ID: HB-06 4-5 **York Sample ID:** 18J1115-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18J1115	PQ18052	Soil	October 22, 2018 12:00 am	10/23/2018

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	97.5		%	0.100	1	SM 2540G Certifications: CTDOH	10/25/2018 11:00	10/29/2018 15:29	AS

Sample Information

Client Sample ID: SB-06 4-5 **York Sample ID:** 18J1115-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18J1115	PQ18052	Soil	October 22, 2018 12:00 am	10/23/2018

Volatile Organics, 8260 Halogenated List **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	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 11:10	10/27/2018 11:10	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 11:10	10/27/2018 11:10	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 11:10	10/27/2018 11:10	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 11:10	10/27/2018 11:10	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 11:10	10/27/2018 11:10	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 11:10	10/27/2018 11:10	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 11:10	10/27/2018 11:10	LLJ
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PAI	10/27/2018 11:10	10/27/2018 11:10	LLJ
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PAI	10/27/2018 11:10	10/27/2018 11:10	LLJ
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058	10/27/2018 11:10	10/27/2018 11:10	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PAI	10/27/2018 11:10	10/27/2018 11:10	LLJ
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 11:10	10/27/2018 11:10	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 11:10	10/27/2018 11:10	LLJ

Sample Information

Client Sample ID: SB-06 4-5 **York Sample ID:** 18J1115-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18J1115	PQ18052	Soil	October 22, 2018 12:00 am	10/23/2018

Volatile Organics, 8260 Halogenated List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	10/27/2018 11:10	10/27/2018 11:10	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	10/27/2018 11:10	10/27/2018 11:10	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	10/27/2018 11:10	10/27/2018 11:10	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	10/27/2018 11:10	10/27/2018 11:10	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	10/27/2018 11:10	10/27/2018 11:10	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	10/27/2018 11:10	10/27/2018 11:10	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	10/27/2018 11:10	10/27/2018 11:10	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058		
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	10/27/2018 11:10	10/27/2018 11:10	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	10/27/2018 11:10	10/27/2018 11:10	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
108-86-1	Bromobenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	10/27/2018 11:10	10/27/2018 11:10	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
74-97-5	Bromochloromethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	10/27/2018 11:10	10/27/2018 11:10	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	10/27/2018 11:10	10/27/2018 11:10	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
75-25-2	Bromoform	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	10/27/2018 11:10	10/27/2018 11:10	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
74-83-9	Bromomethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	10/27/2018 11:10	10/27/2018 11:10	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	10/27/2018 11:10	10/27/2018 11:10	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
108-90-7	Chlorobenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	10/27/2018 11:10	10/27/2018 11:10	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
75-00-3	Chloroethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	10/27/2018 11:10	10/27/2018 11:10	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
67-66-3	Chloroform	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	10/27/2018 11:10	10/27/2018 11:10	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
74-87-3	Chloromethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	10/27/2018 11:10	10/27/2018 11:10	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	10/27/2018 11:10	10/27/2018 11:10	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	10/27/2018 11:10	10/27/2018 11:10	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		

Sample Information

Client Sample ID: SB-06 4-5 **York Sample ID:** 18J1115-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18J1115	PQ18052	Soil	October 22, 2018 12:00 am	10/23/2018

Volatile Organics, 8260 Halogenated List

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
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	10/27/2018 11:10	10/27/2018 11:10	LLJ
								Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PAI			
74-95-3	Dibromomethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	10/27/2018 11:10	10/27/2018 11:10	LLJ
								Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PAI			
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	10/27/2018 11:10	10/27/2018 11:10	LLJ
								Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PAI			
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	10/27/2018 11:10	10/27/2018 11:10	LLJ
								Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PAI			
75-09-2	Methylene chloride	ND		ug/kg dry	5.5	11	1	EPA 8260C	10/27/2018 11:10	10/27/2018 11:10	LLJ
								Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1			
127-18-4	**Tetrachloroethylene**	**4.1**	J	ug/kg dry	2.8	5.5	1	EPA 8260C	10/27/2018 11:10	10/27/2018 11:10	LLJ
								Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	10/27/2018 11:10	10/27/2018 11:10	LLJ
								Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	10/27/2018 11:10	10/27/2018 11:10	LLJ
								Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1			
79-01-6	Trichloroethylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	10/27/2018 11:10	10/27/2018 11:10	LLJ
								Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1			
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	10/27/2018 11:10	10/27/2018 11:10	LLJ
								Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1			
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	10/27/2018 11:10	10/27/2018 11:10	LLJ
								Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1			

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*89.7 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*99.0 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*122 %*	*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**	**90.8**		%	0.100	1	SM 2540G	10/25/2018 11:00	10/29/2018 15:29	AS
							Certifications: CTDOH			

Sample Information

Client Sample ID: **SB-07 4-5** **York Sample ID:** **18J1115-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18J1115	PQ18052	Soil	October 22, 2018 12:00 am	10/23/2018

Volatile Organics, 8260 Halogenated List

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	2.8	5.6	1	EPA 8260C Certifications:	10/27/2018 11:42 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 11:42	LLJ
71-55-6	**1,1,1-Trichloroethane**	**6.4**		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	10/27/2018 11:42 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 11:42	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	10/27/2018 11:42 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 11:42	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	10/27/2018 11:42 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 11:42	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	10/27/2018 11:42 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 11:42	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	10/27/2018 11:42 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 11:42	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	10/27/2018 11:42 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 11:42	LLJ
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	10/27/2018 11:42 NELAC-NY10854,NJDEP,NELAC-NY12058,PAI	10/27/2018 11:42	LLJ
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	10/27/2018 11:42 NELAC-NY10854,NJDEP,NELAC-NY12058,PAI	10/27/2018 11:42	LLJ
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	10/27/2018 11:42 NELAC-NY10854,NJDEP,NELAC-NY12058	10/27/2018 11:42	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	10/27/2018 11:42 NELAC-NY10854,NJDEP,NELAC-NY12058,PAI	10/27/2018 11:42	LLJ
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	10/27/2018 11:42 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 11:42	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	10/27/2018 11:42 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 11:42	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	10/27/2018 11:42 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 11:42	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	10/27/2018 11:42 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 11:42	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	10/27/2018 11:42 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 11:42	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	10/27/2018 11:42 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 11:42	LLJ
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	10/27/2018 11:42 NELAC-NY10854,NJDEP,NELAC-NY12058,PAI	10/27/2018 11:42	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	10/27/2018 11:42 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 11:42	LLJ
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	10/27/2018 11:42 NELAC-NY10854,NJDEP,NELAC-NY12058	10/27/2018 11:42	LLJ
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	10/27/2018 11:42 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	10/27/2018 11:42	LLJ

Sample Information

Client Sample ID: SB-07 4-5 **York Sample ID:** 18J1115-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18J1115	PQ18052	Soil	October 22, 2018 12:00 am	10/23/2018

Volatile Organics, 8260 Halogenated List

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
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	10/27/2018 11:42	10/27/2018 11:42 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	LLJ
108-86-1	Bromobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	10/27/2018 11:42	10/27/2018 11:42 NELAC-NY10854,NJDEP,NELAC-NY12058,PAI	LLJ
74-97-5	Bromochloromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	10/27/2018 11:42	10/27/2018 11:42 NELAC-NY10854,NJDEP,NELAC-NY12058,PAI	LLJ
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	10/27/2018 11:42	10/27/2018 11:42 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	LLJ
75-25-2	Bromoform	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	10/27/2018 11:42	10/27/2018 11:42 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	LLJ
74-83-9	Bromomethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	10/27/2018 11:42	10/27/2018 11:42 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	LLJ
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	10/27/2018 11:42	10/27/2018 11:42 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	LLJ
108-90-7	Chlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	10/27/2018 11:42	10/27/2018 11:42 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	LLJ
75-00-3	Chloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	10/27/2018 11:42	10/27/2018 11:42 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	LLJ
67-66-3	**Chloroform**	**7.0**		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	10/27/2018 11:42	10/27/2018 11:42 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	LLJ
74-87-3	Chloromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	10/27/2018 11:42	10/27/2018 11:42 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	10/27/2018 11:42	10/27/2018 11:42 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	10/27/2018 11:42	10/27/2018 11:42 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	LLJ
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	10/27/2018 11:42	10/27/2018 11:42 NELAC-NY10854,NJDEP,NELAC-NY12058,PAI	LLJ
74-95-3	Dibromomethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	10/27/2018 11:42	10/27/2018 11:42 NELAC-NY10854,NJDEP,NELAC-NY12058,PAI	LLJ
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	10/27/2018 11:42	10/27/2018 11:42 NELAC-NY10854,NJDEP,NELAC-NY12058,PAI	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	10/27/2018 11:42	10/27/2018 11:42 NELAC-NY10854,NJDEP,NELAC-NY12058,PAI	LLJ
75-09-2	Methylene chloride	ND		ug/kg dry	5.6	11	1	EPA 8260C Certifications:	10/27/2018 11:42	10/27/2018 11:42 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	LLJ
127-18-4	**Tetrachloroethylene**	**3.5**	J	ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	10/27/2018 11:42	10/27/2018 11:42 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	10/27/2018 11:42	10/27/2018 11:42 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	10/27/2018 11:42	10/27/2018 11:42 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	LLJ
79-01-6	Trichloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	10/27/2018 11:42	10/27/2018 11:42 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	LLJ

Sample Information

Client Sample ID: SB-07 4-5 **York Sample ID:** 18J1115-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18J1115	PQ18052	Soil	October 22, 2018 12:00 am	10/23/2018

Volatile Organics, 8260 Halogenated List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/27/2018 11:42	10/27/2018 11:42	LLJ
								Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1			
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/27/2018 11:42	10/27/2018 11:42	LLJ
								Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1			

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*88.8 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*96.5 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*103 %*	*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**	**88.9**		%	0.100	1	SM 2540G	10/25/2018 11:00	10/29/2018 15:29	AS
							Certifications: CTDOH			

Sample Information

Client Sample ID: SB-08 4-5 **York Sample ID:** 18J1115-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18J1115	PQ18052	Soil	October 22, 2018 12:00 am	10/23/2018

Volatile Organics, 8260 Halogenated List

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	2.7	5.3	1	EPA 8260C	10/27/2018 12:14	10/27/2018 12:14	LLJ
								Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1			
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:14	10/27/2018 12:14	LLJ
								Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:14	10/27/2018 12:14	LLJ
								Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:14	10/27/2018 12:14	LLJ
								Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1			
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:14	10/27/2018 12:14	LLJ
								Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1			
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:14	10/27/2018 12:14	LLJ
								Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1			

Sample Information

Client Sample ID: SB-08 4-5 **York Sample ID:** 18J1115-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18J1115	PQ18052	Soil	October 22, 2018 12:00 am	10/23/2018

Volatile Organics, 8260 Halogenated List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:14	10/27/2018 12:14	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:14	10/27/2018 12:14	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:14	10/27/2018 12:14	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:14	10/27/2018 12:14	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:14	10/27/2018 12:14	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:14	10/27/2018 12:14	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:14	10/27/2018 12:14	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:14	10/27/2018 12:14	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:14	10/27/2018 12:14	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:14	10/27/2018 12:14	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:14	10/27/2018 12:14	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:14	10/27/2018 12:14	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:14	10/27/2018 12:14	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:14	10/27/2018 12:14	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058		
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:14	10/27/2018 12:14	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:14	10/27/2018 12:14	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
108-86-1	Bromobenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:14	10/27/2018 12:14	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
74-97-5	Bromochloromethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:14	10/27/2018 12:14	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:14	10/27/2018 12:14	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
75-25-2	Bromoform	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:14	10/27/2018 12:14	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
74-83-9	Bromomethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:14	10/27/2018 12:14	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		

Sample Information

Client Sample ID: SB-08 4-5 **York Sample ID:** 18J1115-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18J1115	PQ18052	Soil	October 22, 2018 12:00 am	10/23/2018

Volatile Organics, 8260 Halogenated List

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
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:14	10/27/2018 12:14	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
108-90-7	Chlorobenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:14	10/27/2018 12:14	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
75-00-3	Chloroethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:14	10/27/2018 12:14	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
67-66-3	Chloroform	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:14	10/27/2018 12:14	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
74-87-3	Chloromethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:14	10/27/2018 12:14	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:14	10/27/2018 12:14	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:14	10/27/2018 12:14	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:14	10/27/2018 12:14	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
74-95-3	Dibromomethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:14	10/27/2018 12:14	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:14	10/27/2018 12:14	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:14	10/27/2018 12:14	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
75-09-2	Methylene chloride	ND		ug/kg dry	5.3	11	1	EPA 8260C	10/27/2018 12:14	10/27/2018 12:14	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:14	10/27/2018 12:14	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:14	10/27/2018 12:14	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:14	10/27/2018 12:14	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
79-01-6	Trichloroethylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:14	10/27/2018 12:14	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:14	10/27/2018 12:14	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:14	10/27/2018 12:14	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*88.0 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*96.2 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*104 %*	*76-130*

Sample Information

Client Sample ID: SB-08 4-5 **York Sample ID:** 18J1115-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18J1115	PQ18052	Soil	October 22, 2018 12:00 am	10/23/2018

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	94.0		%	0.100	1	SM 2540G	10/25/2018 11:00	10/29/2018 15:29	AS
							Certifications: CTDOH			

Sample Information

Client Sample ID: SB-09 4-5 **York Sample ID:** 18J1115-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18J1115	PQ18052	Soil	October 22, 2018 12:00 am	10/23/2018

Volatile Organics, 8260 Halogenated List **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	2.7	5.3	1	EPA 8260C	10/27/2018 12:46	10/27/2018 12:46	LLJ
								Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1			
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:46	10/27/2018 12:46	LLJ
								Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:46	10/27/2018 12:46	LLJ
								Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:46	10/27/2018 12:46	LLJ
								Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1			
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:46	10/27/2018 12:46	LLJ
								Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1			
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:46	10/27/2018 12:46	LLJ
								Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1			
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:46	10/27/2018 12:46	LLJ
								Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1			
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:46	10/27/2018 12:46	LLJ
								Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PAI			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:46	10/27/2018 12:46	LLJ
								Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PAI			
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:46	10/27/2018 12:46	LLJ
								Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:46	10/27/2018 12:46	LLJ
								Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PAI			
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:46	10/27/2018 12:46	LLJ
								Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1			
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:46	10/27/2018 12:46	LLJ
								Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1			

Sample Information

Client Sample ID: SB-09 4-5 **York Sample ID:** 18J1115-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18J1115	PQ18052	Soil	October 22, 2018 12:00 am	10/23/2018

Volatile Organics, 8260 Halogenated List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:46	10/27/2018 12:46	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:46	10/27/2018 12:46	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:46	10/27/2018 12:46	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:46	10/27/2018 12:46	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:46	10/27/2018 12:46	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:46	10/27/2018 12:46	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:46	10/27/2018 12:46	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058		
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:46	10/27/2018 12:46	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:46	10/27/2018 12:46	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
108-86-1	Bromobenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:46	10/27/2018 12:46	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
74-97-5	Bromochloromethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:46	10/27/2018 12:46	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:46	10/27/2018 12:46	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
75-25-2	Bromoform	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:46	10/27/2018 12:46	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
74-83-9	Bromomethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:46	10/27/2018 12:46	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:46	10/27/2018 12:46	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
108-90-7	Chlorobenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:46	10/27/2018 12:46	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
75-00-3	Chloroethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:46	10/27/2018 12:46	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
67-66-3	Chloroform	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:46	10/27/2018 12:46	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
74-87-3	Chloromethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:46	10/27/2018 12:46	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:46	10/27/2018 12:46	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:46	10/27/2018 12:46	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		

Sample Information

Client Sample ID: SB-09 4-5 **York Sample ID:** 18J1115-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18J1115	PQ18052	Soil	October 22, 2018 12:00 am	10/23/2018

Volatile Organics, 8260 Halogenated List

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
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:46	10/27/2018 12:46	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
74-95-3	Dibromomethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:46	10/27/2018 12:46	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:46	10/27/2018 12:46	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:46	10/27/2018 12:46	LLJ
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
75-09-2	Methylene chloride	ND		ug/kg dry	5.3	11	1	EPA 8260C	10/27/2018 12:46	10/27/2018 12:46	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:46	10/27/2018 12:46	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:46	10/27/2018 12:46	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:46	10/27/2018 12:46	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
79-01-6	Trichloroethylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:46	10/27/2018 12:46	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:46	10/27/2018 12:46	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	10/27/2018 12:46	10/27/2018 12:46	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*89.2 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*97.5 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*106 %*	*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**	**93.8**		%	0.100	1	SM 2540G	10/25/2018 11:00	10/29/2018 15:29	AS
							Certifications:	CTDOH		

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
18J1115-01	HB-01 2-3	40mL Vial with Stir Bar-Cool 4° C
18J1115-02	HB-02 2-3	40mL Vial with Stir Bar-Cool 4° C
18J1115-03	HB-03 3-4	40mL Vial with Stir Bar-Cool 4° C
18J1115-04	HB-04 3-4	40mL Vial with Stir Bar-Cool 4° C
18J1115-05	HB-05 5-6	40mL Vial with Stir Bar-Cool 4° C
18J1115-06	HB-06 4-5	40mL Vial with Stir Bar-Cool 4° C
18J1115-07	SB-06 4-5	40mL Vial with Stir Bar-Cool 4° C
18J1115-08	SB-07 4-5	40mL Vial with Stir Bar-Cool 4° C
18J1115-09	SB-08 4-5	40mL Vial with Stir Bar-Cool 4° C
18J1115-10	SB-09 4-5	40mL Vial with Stir Bar-Cool 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.
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.

Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

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

Field Chain-of-Custody Record

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 18J1115

YOUR Information	Report To:	Invoice To:
Company: WCD Group	Company:	Company:
Address: 24 Davis Avenue Poughkeepsie, NY	Address:	Address:
Phone.: 845-452-1658	Phone.:	Phone.:
Contact: Tyler Goodnough	Contact: Tyler Goodnough	Contact: Brenda Wells
E-mail:	E-mail:	E-mail:

YOUR Project Number: PQ18052.

YOUR Project Name: PQ18052.21

YOUR PO#:

Turn-Around Time

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

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

Tyler Goodnough

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

Matrix Codes

S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil ⋮ Other

Samples From

New York	X
New Jersey	
Connecticut	
Pennsylvania	
Other	

Report / EDD Type (circle selections)

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

YORK Reg. Comp.

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

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
HB-01 2-3	S	10/22/18	8260 VOCs Halogen list only	1x VOA Kit
HB-02 2-3				
HB-03 3-4				
HB-04 3-4				
HB-05 5-6				
HB-06 4-5				
SB-06 4-5				
SB-07 4-5				
SB-08 4-5				
SB-09 4-5				

Comments:

Preservation: (check all that apply)
HCl ___ MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___ ZnAc ___
Ascorbic Acid ___ Other: ___

Special Instruction
Field Filtered ___
Lab to Filter ___

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
WCD	10/23/18 - 12:15p	York	10/23/18 12:15 PM	York	10/23/18 400
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
York	10/23/18 4:00	York	10/23/18 1821		
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by / Date/Time	Temp. Received at Lab
York	10/23/18			10-23-18 1821	3.9 Degrees C

Technical Report

prepared for:

WCD Group
23 Route 31 North, Suite B26
Pennington NJ, 08534
Attention: Tyler Goodnough

Report Date: 11/09/2018
Client Project ID: PQ18052
York Project (SDG) No.: 18K0229

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

Report Date: 11/09/2018
Client Project ID: PQ18052
York Project (SDG) No.: 18K0229

WCD Group
23 Route 31 North, Suite B26
Pennington NJ, 08534
Attention: Tyler Goodnough

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 November 06, 2018 and listed below. The project was identified as your project: **PQ18052**.

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

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

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

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
18K0229-01	MW-01	Water	11/05/2018	11/06/2018

General Notes for York Project (SDG) No.: 18K0229

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

Approved By: 

Date: 11/09/2018

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: **MW-01** **York Sample ID:** **18K0229-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18K0229	PQ18052	Water	November 5, 2018 12:00 am	11/06/2018

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**	**0.21**	J	ug/L	0.20	0.50	1	EPA 8260C	11/09/2018 07:30	11/09/2018 17:06	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	**1,1,1-Trichloroethane**	**0.31**	J	ug/L	0.20	0.50	1	EPA 8260C	11/09/2018 07:30	11/09/2018 17:06	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2018 07:30	11/09/2018 17:06	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2018 07:30	11/09/2018 17:06	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2018 07:30	11/09/2018 17:06	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2018 07:30	11/09/2018 17:06	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2018 07:30	11/09/2018 17:06	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2018 07:30	11/09/2018 17:06	RDS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2018 07:30	11/09/2018 17:06	RDS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2018 07:30	11/09/2018 17:06	RDS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	**1,2,4-Trimethylbenzene**	**0.21**	J	ug/L	0.20	0.50	1	EPA 8260C	11/09/2018 07:30	11/09/2018 17:06	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2018 07:30	11/09/2018 17:06	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2018 07:30	11/09/2018 17:06	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2018 07:30	11/09/2018 17:06	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2018 07:30	11/09/2018 17:06	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2018 07:30	11/09/2018 17:06	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2018 07:30	11/09/2018 17:06	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2018 07:30	11/09/2018 17:06	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2018 07:30	11/09/2018 17:06	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	11/09/2018 07:30	11/09/2018 17:06	RDS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2018 07:30	11/09/2018 17:06	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2018 07:30	11/09/2018 17:06	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **MW-01** **York Sample ID:** **18K0229-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18K0229	PQ18052	Water	November 5, 2018 12:00 am	11/06/2018

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
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2018 07:30	11/09/2018 17:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	11/09/2018 07:30	11/09/2018 17:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2018 07:30	11/09/2018 17:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2018 07:30	11/09/2018 17:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2018 07:30	11/09/2018 17:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2018 07:30	11/09/2018 17:06 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2018 07:30	11/09/2018 17:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2018 07:30	11/09/2018 17:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2018 07:30	11/09/2018 17:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2018 07:30	11/09/2018 17:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2018 07:30	11/09/2018 17:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2018 07:30	11/09/2018 17:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2018 07:30	11/09/2018 17:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
67-66-3	**Chloroform**	**1.8**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2018 07:30	11/09/2018 17:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
74-87-3	**Chloromethane**	**0.37**	CCV-E, J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2018 07:30	11/09/2018 17:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
156-59-2	**cis-1,2-Dichloroethylene**	**4.9**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2018 07:30	11/09/2018 17:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2018 07:30	11/09/2018 17:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2018 07:30	11/09/2018 17:06 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2018 07:30	11/09/2018 17:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2018 07:30	11/09/2018 17:06 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2018 07:30	11/09/2018 17:06 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2018 07:30	11/09/2018 17:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2018 07:30	11/09/2018 17:06 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS

Sample Information

Client Sample ID: MW-01 **York Sample ID:** 18K0229-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18K0229	PQ18052	Water	November 5, 2018 12:00 am	11/06/2018

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
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/09/2018 17:06	RDS
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/09/2018 17:06	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/09/2018 17:06	RDS
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/09/2018 17:06	RDS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	11/09/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/09/2018 17:06	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/09/2018 17:06	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/09/2018 17:06	RDS
95-47-6	**o-Xylene**	**0.29**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/09/2018 17:06	RDS
179601-23-1	**p- & m- Xylenes**	**0.65**	J	ug/L	0.50	1.0	1	EPA 8260C Certifications:	11/09/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/09/2018 17:06	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/09/2018 17:06	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/09/2018 17:06	RDS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/09/2018 17:06	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	11/09/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/09/2018 17:06	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/09/2018 17:06	RDS
127-18-4	**Tetrachloroethylene**	**150**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/09/2018 17:06	RDS
108-88-3	**Toluene**	**11**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/09/2018 17:06	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/09/2018 17:06	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/09/2018 17:06	RDS
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/09/2018 17:06	RDS
79-01-6	**Trichloroethylene**	**5.3**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/09/2018 17:06	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/09/2018 17:06	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/09/2018 17:06	RDS
1330-20-7	**Xylenes, Total**	**0.94**	J	ug/L	0.60	1.5	1	EPA 8260C Certifications:	11/09/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/09/2018 17:06	RDS

Sample Information

Client Sample ID: MW-01 **York Sample ID:** 18K0229-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18K0229	PQ18052	Water	November 5, 2018 12:00 am	11/06/2018

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
	Surrogate Recoveries	**Result**			**Acceptance Range**						
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*98.5 %*			*69-130*						
2037-26-5	*Surrogate: SURR: Toluene-d8*	*92.5 %*			*81-117*						
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*90.3 %*			*79-122*						

Analytical Batch Summary

Batch ID: BK80508 **Preparation Method:** EPA 5030B **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
18K0229-01	MW-01	11/09/18
BK80508-BLK1	Blank	11/09/18
BK80508-BS1	LCS	11/09/18
BK80508-BSD1	LCS Dup	11/09/18

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
Batch BK80508 - EPA 5030B											
Blank (BK80508-BLK1)											Prepared & Analyzed: 11/09/2018
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	2.0	"								
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	"								
Bromoform	ND	0.50	"								
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	"								

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
Batch BK80508 - EPA 5030B											
Blank (BK80508-BLK1)								Prepared & Analyzed: 11/09/2018			
n-Butylbenzene	ND	0.50	ug/L								
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	2.5	"								
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	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.2*		*"*	*10.0*		*102*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.46*		*"*	*10.0*		*94.6*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*8.80*		*"*	*10.0*		*88.0*	*79-122*				
LCS (BK80508-BS1)								Prepared & Analyzed: 11/09/2018			
1,1,1,2-Tetrachloroethane	11		ug/L	10.0		106	82-126				
1,1,1-Trichloroethane	10		"	10.0		102	78-136				
1,1,2,2-Tetrachloroethane	9.0		"	10.0		90.2	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	16		"	10.0		157	54-165				
1,1,2-Trichloroethane	8.8		"	10.0		87.8	82-123				
1,1-Dichloroethane	11		"	10.0		108	82-129				
1,1-Dichloroethylene	11		"	10.0		109	68-138				
1,2,3-Trichlorobenzene	9.6		"	10.0		95.5	76-136				
1,2,3-Trichloropropane	8.6		"	10.0		86.2	77-128				
1,2,4-Trichlorobenzene	10		"	10.0		100	76-137				
1,2,4-Trimethylbenzene	9.8		"	10.0		97.9	82-132				
1,2-Dibromo-3-chloropropane	7.6		"	10.0		75.7	45-147				
1,2-Dibromoethane	8.9		"	10.0		88.7	83-124				
1,2-Dichlorobenzene	9.5		"	10.0		95.3	79-123				
1,2-Dichloroethane	9.1		"	10.0		91.3	73-132				
1,2-Dichloropropane	9.5		"	10.0		94.7	78-126				
1,3,5-Trimethylbenzene	9.7		"	10.0		97.2	80-131				
1,3-Dichlorobenzene	11		"	10.0		105	86-122				
1,4-Dichlorobenzene	10		"	10.0		104	85-124				
1,4-Dioxane	110		"	210		50.9	10-349				
2-Butanone	8.0		"	10.0		80.1	49-152				
2-Hexanone	7.8		"	10.0		78.3	51-146				
4-Methyl-2-pentanone	8.2		"	10.0		81.7	57-145				
Acetone	8.9		"	10.0		89.1	14-150				
Acrolein	16		"	10.0		160	10-153	High Bias			
Acrylonitrile	8.8		"	10.0		87.5	51-150				
Benzene	11		"	10.0		110	85-126				
Bromochloromethane	10		"	10.0		104	77-128				

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
Batch BK80508 - EPA 5030B											
LCS (BK80508-BS1)								Prepared & Analyzed: 11/09/2018			
Bromodichloromethane	9.1		ug/L	10.0		91.3	79-128				
Bromoform	9.7		"	10.0		96.7	78-133				
Bromomethane	11		"	10.0		115	43-168				
Carbon disulfide	12		"	10.0		117	68-146				
Carbon tetrachloride	11		"	10.0		107	77-141				
Chlorobenzene	10		"	10.0		101	88-120				
Chloroethane	14		"	10.0		140	65-136	High Bias			
Chloroform	10		"	10.0		99.6	82-128				
Chloromethane	15		"	10.0		145	43-155				
cis-1,2-Dichloroethylene	11		"	10.0		105	83-129				
cis-1,3-Dichloropropylene	9.3		"	10.0		92.8	80-131				
Cyclohexane	12		"	10.0		123	63-149				
Dibromochloromethane	9.4		"	10.0		93.6	80-130				
Dibromomethane	8.9		"	10.0		89.1	72-134				
Dichlorodifluoromethane	14		"	10.0		141	44-144				
Ethyl Benzene	11		"	10.0		107	80-131				
Hexachlorobutadiene	11		"	10.0		112	67-146				
Isopropylbenzene	9.9		"	10.0		99.4	76-140				
Methyl acetate	10		"	10.0		101	51-139				
Methyl tert-butyl ether (MTBE)	9.1		"	10.0		90.9	76-135				
Methylcyclohexane	11		"	10.0		108	72-143				
Methylene chloride	9.8		"	10.0		98.0	55-137				
n-Butylbenzene	10		"	10.0		100	79-132				
n-Propylbenzene	10		"	10.0		102	78-133				
o-Xylene	10		"	10.0		99.6	78-130				
p- & m- Xylenes	21		"	20.0		103	77-133				
p-Isopropyltoluene	11		"	10.0		110	81-136				
sec-Butylbenzene	11		"	10.0		107	79-137				
Styrene	10		"	10.0		102	67-132				
tert-Butyl alcohol (TBA)	47		"	50.0		94.3	25-162				
tert-Butylbenzene	10		"	10.0		101	77-138				
Tetrachloroethylene	8.4		"	10.0		84.1	82-131				
Toluene	10		"	10.0		103	80-127				
trans-1,2-Dichloroethylene	11		"	10.0		106	80-132				
trans-1,3-Dichloropropylene	8.7		"	10.0		87.1	78-131				
trans-1,4-dichloro-2-butene	8.4		"	10.0		84.3	63-141				
Trichloroethylene	9.6		"	10.0		96.3	82-128				
Trichlorofluoromethane	13		"	10.0		126	67-139				
Vinyl Chloride	15		"	10.0		147	58-145	High Bias			
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.23*		*"*	*10.0*		*92.3*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.68*		*"*	*10.0*		*96.8*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.06*		*"*	*10.0*		*90.6*	*79-122*				

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
Batch BK80508 - EPA 5030B											
LCS Dup (BK80508-BSD1)								Prepared & Analyzed: 11/09/2018			
1,1,1,2-Tetrachloroethane	11		ug/L	10.0		106	82-126		0.849	30	
1,1,1-Trichloroethane	9.8		"	10.0		97.8	78-136		4.01	30	
1,1,2,2-Tetrachloroethane	10		"	10.0		100	76-129		10.6	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	15		"	10.0		147	54-165		6.52	30	
1,1,2-Trichloroethane	9.5		"	10.0		95.4	82-123		8.30	30	
1,1-Dichloroethane	10		"	10.0		105	82-129		2.73	30	
1,1-Dichloroethylene	10		"	10.0		104	68-138		5.08	30	
1,2,3-Trichlorobenzene	9.9		"	10.0		98.8	76-136		3.40	30	
1,2,3-Trichloropropane	9.4		"	10.0		93.5	77-128		8.12	30	
1,2,4-Trichlorobenzene	9.8		"	10.0		98.3	76-137		2.01	30	
1,2,4-Trimethylbenzene	9.1		"	10.0		90.7	82-132		7.64	30	
1,2-Dibromo-3-chloropropane	8.7		"	10.0		86.6	45-147		13.4	30	
1,2-Dibromoethane	9.8		"	10.0		98.0	83-124		9.96	30	
1,2-Dichlorobenzene	9.3		"	10.0		92.6	79-123		2.87	30	
1,2-Dichloroethane	9.8		"	10.0		98.5	73-132		7.59	30	
1,2-Dichloropropane	9.4		"	10.0		94.0	78-126		0.742	30	
1,3,5-Trimethylbenzene	8.9		"	10.0		88.8	80-131		9.03	30	
1,3-Dichlorobenzene	9.8		"	10.0		98.5	86-122		6.67	30	
1,4-Dichlorobenzene	9.8		"	10.0		98.4	85-124		5.82	30	
1,4-Dioxane	200		"	210		94.7	10-349		60.2	30	Non-dir.
2-Butanone	9.6		"	10.0		96.5	49-152		18.6	30	
2-Hexanone	10		"	10.0		103	51-146		27.3	30	
4-Methyl-2-pentanone	10		"	10.0		101	57-145		21.3	30	
Acetone	11		"	10.0		107	14-150		18.4	30	
Acrolein	18		"	10.0		181	10-153	High Bias	12.4	30	
Acrylonitrile	10		"	10.0		101	51-150		14.6	30	
Benzene	11		"	10.0		108	85-126		1.84	30	
Bromochloromethane	11		"	10.0		109	77-128		4.98	30	
Bromodichloromethane	9.2		"	10.0		92.0	79-128		0.764	30	
Bromoform	11		"	10.0		109	78-133		11.8	30	
Bromomethane	11		"	10.0		111	43-168		3.81	30	
Carbon disulfide	11		"	10.0		111	68-146		5.70	30	
Carbon tetrachloride	10		"	10.0		101	77-141		5.94	30	
Chlorobenzene	9.9		"	10.0		99.3	88-120		1.70	30	
Chloroethane	13		"	10.0		128	65-136		8.49	30	
Chloroform	9.9		"	10.0		99.1	82-128		0.503	30	
Chloromethane	13		"	10.0		130	43-155		10.8	30	
cis-1,2-Dichloroethylene	10		"	10.0		104	83-129		1.44	30	
cis-1,3-Dichloropropylene	9.4		"	10.0		94.1	80-131		1.39	30	
Cyclohexane	12		"	10.0		117	63-149		5.18	30	
Dibromochloromethane	10		"	10.0		99.5	80-130		6.11	30	
Dibromomethane	9.4		"	10.0		94.5	72-134		5.88	30	
Dichlorodifluoromethane	13		"	10.0		131	44-144		6.84	30	
Ethyl Benzene	10		"	10.0		100	80-131		6.36	30	
Hexachlorobutadiene	11		"	10.0		107	67-146		4.19	30	
Isopropylbenzene	8.9		"	10.0		89.2	76-140		10.8	30	
Methyl acetate	12		"	10.0		121	51-139		18.1	30	
Methyl tert-butyl ether (MTBE)	11		"	10.0		108	76-135		17.4	30	
Methylcyclohexane	10		"	10.0		100	72-143		7.75	30	
Methylene chloride	9.9		"	10.0		99.0	55-137		1.02	30	
n-Butylbenzene	9.2		"	10.0		92.4	79-132		8.10	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
Batch BK80508 - EPA 5030B											
LCS Dup (BK80508-BSD1)								Prepared & Analyzed: 11/09/2018			
n-Propylbenzene	9.2		ug/L	10.0		92.1	78-133		10.3	30	
o-Xylene	9.6		"	10.0		96.2	78-130		3.47	30	
p- & m- Xylenes	20		"	20.0		97.5	77-133		5.15	30	
p-Isopropyltoluene	9.9		"	10.0		99.3	81-136		9.77	30	
sec-Butylbenzene	9.7		"	10.0		96.8	79-137		10.3	30	
Styrene	10		"	10.0		100	67-132		1.78	30	
tert-Butyl alcohol (TBA)	76		"	50.0		151	25-162		46.4	30	Non-dir.
tert-Butylbenzene	9.1		"	10.0		91.4	77-138		10.2	30	
Tetrachloroethylene	7.7		"	10.0		76.9	82-131	Low Bias	8.94	30	
Toluene	9.8		"	10.0		97.5	80-127		5.10	30	
trans-1,2-Dichloroethylene	10		"	10.0		101	80-132		5.23	30	
trans-1,3-Dichloropropylene	9.3		"	10.0		92.8	78-131		6.34	30	
trans-1,4-dichloro-2-butene	8.1		"	10.0		80.7	63-141		4.36	30	
Trichloroethylene	9.0		"	10.0		89.7	82-128		7.10	30	
Trichlorofluoromethane	12		"	10.0		117	67-139		7.98	30	
Vinyl Chloride	13		"	10.0		134	58-145		9.42	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.3*		*"*	*10.0*		*103*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.51*		*"*	*10.0*		*95.1*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*8.85*		*"*	*10.0*		*88.5*	*79-122*				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
18K0229-01	MW-01	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
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

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 18K0229

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: WCD Group	Company:	Company:	PQ18052	RUSH - Next Day
Address: 1350 Broadway, ste 1904 New York, NY	Address:	Address:	YOUR Project Name: PQ18052.21	RUSH - Two Day
Phone: 212-631-9000	Phone:	Phone:		RUSH - Three Day X
Contact: Tyler Goodnough	Contact: Tyler Goodnough	Contact: Brenda Wells		RUSH - Four Day
E-mail: tgoodnough@wcdgroup.com	E-mail:	E-mail:	YOUR PO#:	Standard (5-7 Day)

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

Tyler Goodnough

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

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

Samples From
New York X
New Jersey
Connecticut
Pennsylvania
Other

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

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

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
MW-01	GW	11/5/18	VOCS 8260	4x40ml HCl, 1x1L amber

Comments:
- 1L Amber to HOLD for potential additional analytes
- Hoping to get the results by 11/9/18

Preservation: (check all that apply)
HCl ___ MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___ ZnAc ___
Ascorbic Acid ___ Other: ___

Special Instruction
Field Filtered ___
Lab to Filter ___

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
WCD Group	11/6/18 - 1:03pm	York	11/6/18 1:03	York	11/6/18 1706
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temp. Received at Lab
				TC	11/6/18 1706 — 1.2 Degrees C