



TECHNICAL  
SERVICES

**PHASE II**  
**ENVIRONMENTAL**  
**SITE ASSESSMENT**

**10-16 Beach 19<sup>th</sup> Street**  
**Borough of Queens, New York**

**February 23, 2023**

**GBTS Project: 21003-0004**

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**February 23, 2023**  
**GBTS Project: 21003-0004**

**Prepared By:**

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Environmental investigation services were performed by Gallagher Bassett Technical Services (GBTS). The undersigned have reviewed this Phase II Environmental Site Assessment and certify to 1016 Beach 19 Partners LLC that the information provided in this document is accurate as of the date of issuance by this office.



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## **1.0 INTRODUCTION**

### **1.1 Purpose**

This Phase II Environmental Site Assessment (Report) documents environmental fieldwork performed by Gallagher Bassett Technical Services (GBTS) at the property located at 10-16 Beach 19<sup>th</sup> Street, Borough of Queens, New York City, New York. Investigative work was 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).

This Report describes all fieldwork methodologies for the work conducted by GBTS, 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 environmental fieldwork activities conducted on specified portions of the above-referenced property during the indicated fieldwork dates, and is not relevant to other portions of this property or any other property. Environmental services were performed in accordance with generally accepted practices and protocols established by the New York State Department of Environmental Conservation (NYSDEC). Findings, conclusions, and recommendations provided by GBTS are based on professional judgement.

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

The property is a 0.43-acre parcel located on the eastern side of Beach 19<sup>th</sup> Street, containing a one-story unoccupied building formerly occupied by several automotive repair facilities. The remainder of the Site consists of a paved parking area. Previous investigations identified the presence of up to four (4) underground storage tanks (USTs) and an in-ground hydraulic lift located on 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 performed on the property by Velocity Consulting, Inc. in September 2019, and an update in November 2020, identified the following:

- Historical automotive repair activities from circa 1933 to at least 2020;
- Two gasoline USTs shown on historical maps and fill ports and vent pipes at the southwestern portion of the Site; and,
- An open spill event (Spill Number 1702628) on a southwestern adjoining property, and several historical nearby gasoline filling stations.



A Phase II Subsurface Investigation Report was completed by PSG Engineering and Geology, D.P.C. (PSG Report) in July 2020. A geophysical survey of the Site identified four likely USTs at the following locations: one heating oil UST at the western portion of the paved parking area; two gasoline USTs along the western interior wall of the building (identified in historical maps); and, one UST of unknown use at the southwestern corner to the south of the building. A former in-ground hydraulic lift was also detected at the northern portion of the building.

Four soil borings were advanced in the vicinity of suspected USTs and the in-ground hydraulic lift. Slight petroleum odors and elevated photo-ionization detector (PID) readings (14.1 to 44.2 parts per millions [ppm]) were observed at boring B-1 extended near the fuel-oil UST; no other overt evidence of contamination was observed at any location. Significant contamination was limited to low-level exceedances of unrestricted-use criteria for acetone, lead and mercury.

Groundwater samples were collected from temporary monitoring wells installed at the boring locations (groundwater depths ranged from 18 to 20 feet). Elevated volatile organic compounds (VOCs) were reported at B-1GW, including chloroform (22 parts per billion [ppb]) and several substituted benzenes related to gasoline (from 8.6 to 22 ppb); two of the substituted benzenes were also reported at elevated levels (15 and 17 ppb) at B-2GW, near the former in-ground lift. Groundwater was impacted by low-level contamination by semi-volatile organic compounds (SVOCs) and metals.

Four sub-slab soil vapor implants were installed in the southern portion of the building. High levels of the chlorinated solvent tetrachloroethene (PCE; up to 4,360 micrograms per cubic meter [ $\mu\text{g}/\text{m}^3$ ]) was detected in soil vapor samples; multiple other VOCs were reported at levels typical of developed, urban settings.

The Phase II Subsurface Investigation Report is provided in Appendix E.

## **2.0 SUBSURFACE INVESTIGATION**

### **2.1 Summary of Services**

GBTS conducted the following services at the Site between January 4 and January 10, 2023:

- Advanced eight (8) soil borings throughout the Site to a maximum depth of 13 feet below surface grade (bsg);
- Installed seven (7) temporary soil vapor probes; and,
- Documented the presence or absence of contamination through sampling and laboratory analysis of subsurface soil and soil vapor samples.

This Report is divided into sections that document fieldwork methodology (Section 2.2) and laboratory results (Section 2.3), and present GBTS's conclusions and recommendations (Section 3.0). A map indicating fieldwork locations and selected Site features is provided in Appendix A.

### **2.2 Fieldwork Activities**

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

A complete utility markout (as required by New York State Department of Labor regulations) was requested prior to the initiation of fieldwork.

#### **2.2.2 Fieldwork Methodology**

##### General Protocols

Encountered material was screened (as appropriate) with a properly calibrated MiniRAE Lite (Model PGM 7300) photo-ionization detector (PID) for volatile organic vapors. GBTS documented all field observations in log books, including specific soil characteristics, presence of foreign materials, and any indications of contamination. Relevant information from GBTS logs for each fieldwork location is summarized in Appendix B.

GBTS 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 GBTS's custody. Samples were transported on January 5, 9, 10, and 11, 2023 via courier to York Analytical Laboratories, Inc., a New York State Department of Health-certified laboratory (ELAP Certification 10854) for chemical analyses. Appropriate chain-of-custody procedures were followed.

### Extension of Soil Borings

Soils samples for the GBTS Phase II investigation were collected from borings extended at the Site during a geotechnical investigation between January 4 and 10, 2023, located as follows:

- Paved parking area (B-1W and B-4);
- Western portion of the paved parking area (B-3) in the vicinity of the fuel-oil UST;
- Eastern portion of the building (B-2W, B-5 and B-6);
- Western portion of the building (B-3W and B-8W) in the vicinity of the gasoline USTs; and,
- Central portion of building (B-7).

All soil borings were advanced by personnel from Geo-Technology Associates, Inc. (GTA) using a truck-mounted auger equipped with a direct-push, split-spoon sampler. GBTS recovered soil at each boring location at intervals of 2 feet to a maximum depth of 13 feet bsg.

Subsurface soils (to the maximum depth of the environmental investigation) generally consisted of dry, brown silty sand and unsorted fill materials (including gravel, and brick, concrete, and other debris, to depths ranging from 2 to 4 feet bsg) overlying native brown medium to coarse sand with some silt and gravel (groundwater was not encountered). Positive PID readings were noted at B-3 (near the fuel oil UST) between 6 and 13 feet bsg (peak 14.7 ppm at 11 feet bsg); no other significant field evidence of contamination was observed at any other locations.

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

Note: GTA personnel installed groundwater monitoring wells at B-2W and B-8W, where refusal was met at depths of approximately 13 feet bsg, and at B-3, where the well was reportedly completed at 42 feet bsg. An inspection of these wells by GBTS on February 14, 2023 indicated that the first two wells were dry, and that the bottom of the well at B-3W was actually at 12.5 feet bsg, resulting in a dry well (the GTA geotechnical report states that groundwater occurs at approximately 23 feet bgs).

### Collection of Soil Vapor

GTA installed seven (7) temporary soil vapor points (SV-1 through SV-7), located as follows:

- Northern portion of the paved parking area (SV-1 and SV-2) to 4 feet bsg;
- Southern portion of the paved parking area (SV-3 and SV-4) to 11 feet bsg;
- Western portion of the building (SV-5) in the vicinity of suspect gasoline USTs to 11 feet bsg; and,
- Eastern portion of the building (SV-6 and SV-7) to 4 feet bsg.

Soil vapor probes were installed using a Geoprobe direct-push corer. A ¼" Teflon tube attached to an air-stone was inserted to the invert of each boring, which was covered with clean #1 silica sand and backfilled with hydrated bentonite.

Each soil vapor boring was purged prior to sampling for at least a period of five minutes. Soil vapor samples were collected into 6-liter Summa Canisters equipped with two-hour flow controllers. No significant PID readings were recorded at any soil vapor location after purging.

## **2.3 Laboratory Analysis**

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

#### Soil

Laboratory results for all compounds detected in soils are compared to NYSDEC Remedial Program Soil Cleanup Objectives (SCOs) for Unrestricted Use (UU) and Restricted-Residential Use (RRU) as provided in 6 NYCRR Subpart 375, Tables 375-6.8(a) and 375-6.8(b), 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 for volatile chemicals in subsurface vapors (either soil vapor or sub-slab vapor). In the absence of SCG, soil vapor results were reviewed as a whole and compared to the results of all other environmental sampling. Note: NYSDOH utilizes three generic decision matrices for evaluating potential soil vapor intrusion into buildings under specific circumstances (see NYSDOH website updates and Guidance for Evaluating Soil Vapor Intrusion in the State of New York [October 2006]). Matrices compare concentrations of a limited number of VOCs, reported in concurrent sub-slab vapor and indoor air samples, and summarize actions recommended to address current and potential exposures related to soil vapor intrusion (ranging from no further action to mitigation).

### **2.3.2 Sample Submission**

The scope of work included media sampling locations intended to provide a general screening of the Site. Submission of soil samples was biased (as warranted) based on field observations, including the presence or absence of elevated PID readings, unusual odors, discoloration, or, any other unusual patterns.

Soil samples were analyzed for the following: VOCs using USEPA Method 8260; SVOCs using USEPA Method 8270; Target Analyte List (TAL) metals using USEPA Method 6010/7043; and, pesticides and PCBs using USEPA Methods 8081/8082. Sample B-8W 2-4 was additionally analyzed for per-and polyfluoroalkyl substances (PFAS) by EPA Method 1633.

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

### 2.3.3 Laboratory Results

A summary of the results of the laboratory analyses is presented below. Results are referenced as ppm (equivalent to milligrams per kilogram) for soil and micrograms per cubic meter for soil vapor. Data summary and laboratory reports are provided as Appendices C and D, respectively.

#### SOIL

Soil data is summarized in Tables 1 through 5.

#### VOCs

No VOCs were detected above UU SCOs. Trace levels of VOCs were reported in multiple samples, including PCE and compounds related to gasoline in the upper 4 feet of soil, and a trace level of the chlorinated solvent 1,1,1-trichloroethane in a sample from the 11 to 13 feet interval.

#### SVOCs

Polycyclic aromatic hydrocarbons (PAHs) were detected above RRU SCOs in the upper 4 feet of soil at B-4, including (maximum values detected in SB-4 0-2 shown): benzo(a)anthracene (2.58 ppm, RRU SCO 1 ppm); benzo(a)pyrene (2.27 ppm, RRU SCO 1 ppm); benzo(b)fluoranthene (2.46 ppm, RRU SCO 1 ppm); benzo(k)fluoranthene (1.76 ppm, UU SCO 0.8 ppm); chrysene (2.51 ppm, UU SCO 1 an ppm); dibenzo(a,h)anthracene (0.529 ppm, RRU SCO 0.33 ppm); and, indeno(1,2,3-cd)pyrene (0.529 ppm, RRU SCO 0.5 ppm). Trace- to low-levels of several other SVOCs, primarily polycyclic aromatic hydrocarbons (PAHs), were reported in ten samples.

#### Pesticides/PCBs

Elevated concentrations of pesticides (4,4'-DDT; 0.004 ppm, UU SCO 0.0033), and PCBs (0.402 ppm, UU SCO 0.1 ppm) were detected in B-1W 2-4 and B-1W 0-2, respectively. PCBs were reported below the UU SCO in B-1W 2-4. No pesticides or PCBs were detected in any other sample.

#### TAL Metals

Elevated concentrations of metals were detected in the upper 4 feet of soil at B-1W, B-2W, and/or B-7, including (maximum values shown): lead (1,190 ppm, RRU SCO 400 ppm); mercury (0.843 ppm, RRU SCO 0.81 ppm); and cadmium (7.92 ppm, RRU SCO 4.3 ppm). Chromium, copper, lead, mercury, selenium and/or zinc were detected above UU SCOs in at least one soil sample.

#### PFAS

Low to trace levels of two PFAS, N-EtFOSA (1.43 ppm) and N-MeFOSA (0.336 ppm), were detected in B-8W 2-4. No other PFAS were detected in the soil sample.

## SOIL VAPOR

Soil vapor data is summarized in Table 6.

PCE was reported in five of the seven samples from 1.2 to 93  $\mu\text{g}/\text{m}^3$ , with the maximum concentration at SV-06, which also contained a low level of trichloroethylene (TCE; 2.2  $\mu\text{g}/\text{m}^3$ ). Multiple other VOCs were reported in all samples, generally at trace to low levels typical of commercial settings, including gasoline compounds (2-butanone, benzene, ethylbenzene, o-xylene and toluene).

### 3.0 CONCLUSIONS AND RECOMMENDATIONS

GBTS has completed the services summarized in Section 2.0 on specified portions of the property located at 10-16 Beach 19<sup>th</sup> Street, Borough of Queens, New York City, New York. Fieldwork (conducted to document the presence or absence of subsurface contamination resulting from historical on-Site and off-Site commercial uses) included: extension of eight (8) soil borings; installation of seven (7) soil vapor implants; and, collection of soil vapor and soil samples. Fieldwork conducted by GBTS supplements earlier investigative findings presented in the PSG Report.

Conclusions and recommendations (in **bold**), based on the fieldwork services and laboratory data, are as follows:

Observations at borings extended throughout the Site indicate only minimal field evidence of contamination, restricted to low PID readings, in the vicinity of the suspect fuel-oil UST at the western portion of the paved parking area (the PSG Report also documented petroleum odors in soil near this tank). These findings may be indicative of a historical release from the UST. The upper soil interval (0-4 feet) at the Site is contaminated by PAHs and metals (including cadmium, lead and mercury) above NYSDEC RRU SCOs, and by pesticides and PCBs above UU SCOs. Soil impacts are consistent with the presence of poor-quality urban fill and/or low-grade impacts from historical Site uses. Contaminated shallow soils, as well as the existing USTs (and any associated soil affected by a release), are likely to be removed during future Site development.

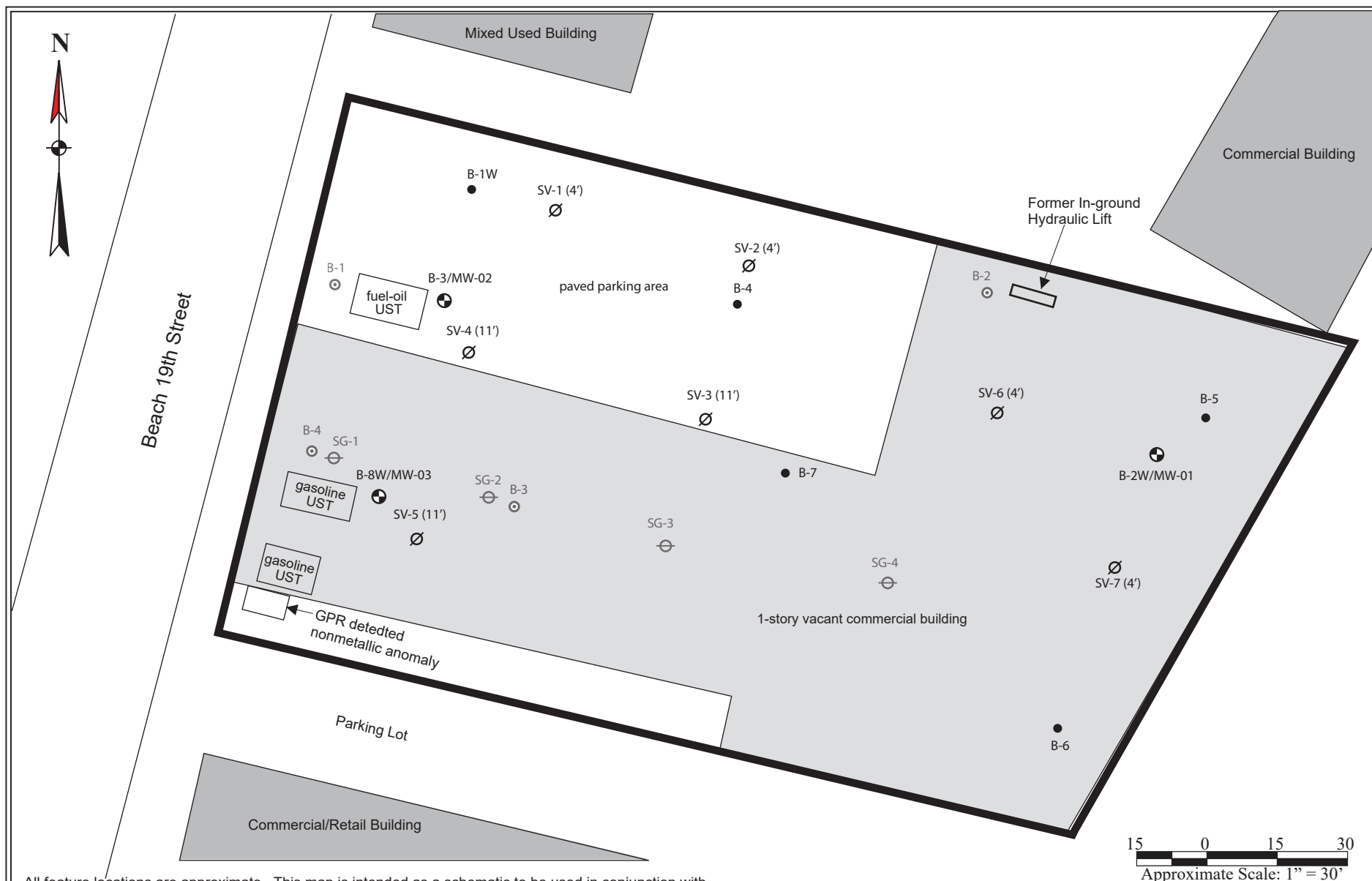
The current and previous investigations document high levels of PCE in soil vapor, potentially from a historical on-site release (low levels of PCE, as well as gasoline compounds, were found in Site vadose zone soils), or from groundwater contamination. Based on this data, a system to prevent vapor intrusion into the planned Site building will be required.

**It is recommended that any future investigation and/or remediation at the Site be conducted in accordance with the requirements of the NYC Office of Environmental Remediation (OER).**

## 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

10-16 Beach 19th Street  
Borough of Queens, New York

### Legend:

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

File: 21003-0004

February 2023

Scale as shown

Appendix A

## APPENDIX B

### Boring Logs

# Soil Boring Log

|                                                                                                                                                                                                  |                                                                                                                                            |          |           |       |          |      |                                          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------|-------|----------|------|------------------------------------------|
| <b>B-1W</b><br><br>(SHEET 1 OF 1)                                                                                                                                                                | <b>10-16 Beach 19<sup>th</sup> Street</b><br><b>Borough of Queen, New York</b>                                                             |          |           |       |          |      | <i>GBTS PROJECT</i><br><i>21003-0004</i> |
|                                                                                                                                                                                                  | DATE: 2023-01-05    DRILLER (RIG)    GTA (CME 45C auger, 2' split-spoon sampler)<br>GBTS STAFF: A. Litwin    WEATHER: Partly cloudy, 40s F |          |           |       |          |      |                                          |
| BORING<br>INTERVAL<br>(RECOVERY)                                                                                                                                                                 | SURFACE MATERIAL: CONCRETE (4")                                                                                                            | MOISTURE | PID (ppm) | ODORS | STAINING | NAPL | SAMPLES<br>COLLECTED                     |
|                                                                                                                                                                                                  | <b>SOIL / MATERIAL DESCRIPTION</b>                                                                                                         |          |           |       |          |      |                                          |
| <b>0 – 2'</b><br>(90%)                                                                                                                                                                           | Weathered concrete<br>Brown SILTY SAND with brick, concrete, gravel<br>and debris (fill)                                                   | Dry      | 0.0       | ND    | ND       | ND   | <b>0-2</b>                               |
| <b>2 – 4'</b><br>(90%)                                                                                                                                                                           | Brown SILTY SAND with brick, concrete, gravel<br>and debris (fill)                                                                         | Dry      | 0.0       | ND    | ND       | ND   | <b>2-4</b>                               |
|                                                                                                                                                                                                  | ***** End of Boring at 4' *****                                                                                                            |          |           |       |          |      |                                          |
|                                                                                                                                                                                                  |                                                                                                                                            |          |           |       |          |      |                                          |
|                                                                                                                                                                                                  |                                                                                                                                            |          |           |       |          |      |                                          |
|                                                                                                                                                                                                  |                                                                                                                                            |          |           |       |          |      |                                          |
|                                                                                                                                                                                                  |                                                                                                                                            |          |           |       |          |      |                                          |
| <b>Notes</b> <b>Fill Materials</b><br>~0 - 4'<br><b>Field Evidence of Contamination</b><br>Not encountered<br><b>Saturated Soils</b><br>Not encountered<br><b>Additional Field Notes</b><br>None |                                                                                                                                            |          |           |       |          |      |                                          |

**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)    **SI** (slight)

# Soil Boring Log

|                                   |                                                                                                                                                                                                                                                                    |          |           |       |          |      |                                          |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------|-------|----------|------|------------------------------------------|
| <b>B-2W</b><br><br>(SHEET 1 OF 1) | <b>10-16 Beach 19<sup>th</sup> Street</b><br><b>Borough of Queen, New York</b>                                                                                                                                                                                     |          |           |       |          |      | <i>GBTS PROJECT</i><br><i>21003-0004</i> |
|                                   | DATE: 2023-01-06    DRILLER (RIG)    GTA (CME 45C auger, 2' split-spoon sampler)<br>GBTS STAFF: A. Litwin    WEATHER: Partly cloudy, 40s F                                                                                                                         |          |           |       |          |      |                                          |
| BORING<br>INTERVAL<br>(RECOVERY)  | SURFACE MATERIAL: CONCRETE (4")                                                                                                                                                                                                                                    | MOISTURE | PID (ppm) | ODORS | STAINING | NAPL | SAMPLES<br>COLLECTED                     |
|                                   | <b>SOIL / MATERIAL DESCRIPTION</b>                                                                                                                                                                                                                                 |          |           |       |          |      |                                          |
| <b>0 – 2'</b><br>(90%)            | Weathered concrete<br>Brown SILTY SAND with brick, concrete, gravel<br>and debris (fill)                                                                                                                                                                           | Dry      | 0.0       | ND    | ND       | ND   | <b>0-2</b>                               |
| <b>2 – 4'</b><br>(90%)            | Brown SILTY SAND with brick, concrete, gravel<br>and debris (fill)<br>Brown M to C SAND with silt and gravel                                                                                                                                                       | Dry      | 0.0       | ND    | ND       | ND   | <b>2-4</b>                               |
|                                   | ***** End of Boring at 4' *****                                                                                                                                                                                                                                    |          |           |       |          |      |                                          |
|                                   |                                                                                                                                                                                                                                                                    |          |           |       |          |      |                                          |
|                                   |                                                                                                                                                                                                                                                                    |          |           |       |          |      |                                          |
|                                   |                                                                                                                                                                                                                                                                    |          |           |       |          |      |                                          |
|                                   |                                                                                                                                                                                                                                                                    |          |           |       |          |      |                                          |
|                                   |                                                                                                                                                                                                                                                                    |          |           |       |          |      |                                          |
| <b>Notes</b>                      | <b>Fill Materials</b><br>~0 - 3'<br><b>Field Evidence of Contamination</b><br>Not encountered<br><b>Saturated Soils</b><br>Not encountered<br><b>Additional Field Notes</b><br>Monitoring well installation was attempted; however, refusal was encountered at ~7' |          |           |       |          |      |                                          |

**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)    **SI** (slight)

# Soil Boring Log

|                                                                                                                                                                                                                                                                                        |                                                                                                                     |          |           |       |          |      |                                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|----------|-----------|-------|----------|------|------------------------------------------|
| <b>B-3</b><br><br>(SHEET 1 OF 1)                                                                                                                                                                                                                                                       | <b>10-16 Beach 19<sup>th</sup> Street</b><br><b>Borough of Queen, New York</b>                                      |          |           |       |          |      | <i>GBTS PROJECT</i><br><i>21003-0004</i> |
|                                                                                                                                                                                                                                                                                        | DATE: 2023-01-06    DRILLER (RIG)    GTA (CME 45C auger, 2' split-spoon sampler)                                    |          |           |       |          |      |                                          |
|                                                                                                                                                                                                                                                                                        | GBTS STAFF: A. Litwin    WEATHER: Partly cloudy, 40s F                                                              |          |           |       |          |      |                                          |
| BORING<br>INTERVAL<br>(RECOVERY)                                                                                                                                                                                                                                                       | SURFACE MATERIAL: ASPHALT (4")                                                                                      | MOISTURE | PID (ppm) | ODORS | STAINING | NAPL | SAMPLES<br>COLLECTED                     |
|                                                                                                                                                                                                                                                                                        | SOIL / MATERIAL DESCRIPTION                                                                                         |          |           |       |          |      |                                          |
| <b>0 – 2'</b><br>(100%)                                                                                                                                                                                                                                                                | Weathered asphalt<br>Brown SILTY SAND with brick, concrete, gravel<br>and debris (fill)                             | Dry      | 0.0       | ND    | ND       | ND   | <b>0-2</b>                               |
| <b>2 – 4'</b><br>(90%)                                                                                                                                                                                                                                                                 | Brown SILTY SAND with brick, concrete, gravel<br>and debris (fill)<br>Orange-brown M to C SAND with silt and gravel | Dry      | 0.0       | ND    | ND       | ND   |                                          |
| <b>4 – 6'</b><br>(80%)                                                                                                                                                                                                                                                                 | Brown M to C SAND with silt and gravel                                                                              | Dry      | 0.0       | ND    | ND       | ND   |                                          |
| <b>6 – 8'</b><br>(75%)                                                                                                                                                                                                                                                                 | Brown M to C SAND with silt and gravel                                                                              | Dry      | 9.8       | ND    | ND       | ND   |                                          |
| <b>8 – 10'</b><br>(60%)                                                                                                                                                                                                                                                                | Brown M to C SAND with silt and gravel                                                                              | Dry      | 10.3      | ND    | ND       | ND   |                                          |
| <b>10 – 13'</b><br>(60%)                                                                                                                                                                                                                                                               | Brown M to C SAND with silt and gravel                                                                              | Moist    | 14.7      | ND    | ND       | ND   | <b>11-13</b>                             |
|                                                                                                                                                                                                                                                                                        | ***** End of Boring (refusal) at 13' *****                                                                          |          |           |       |          |      |                                          |
| <b>Notes</b> <b>Fill Materials</b><br>~0 - 3'<br><b>Field Evidence of Contamination</b><br>Positive PID readings<br><b>Saturated Soils</b><br>Not encountered<br><b>Additional Field Notes</b><br>Monitoring well installation was attempted; however, refusal was encountered at ~13' |                                                                                                                     |          |           |       |          |      |                                          |

**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)    **SI** (slight)

# Soil Boring Log

|                                  |                                                                                                                                                                                     |          |           |       |          |      |                                          |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------|-------|----------|------|------------------------------------------|
| <b>B-4</b><br><br>(SHEET 1 OF 1) | <b>10-16 Beach 19<sup>th</sup> Street</b><br><b>Borough of Queen, New York</b>                                                                                                      |          |           |       |          |      | <i>GBTS PROJECT</i><br><i>21003-0004</i> |
|                                  | DATE: 2023-01-06    DRILLER (RIG)    GTA (CME 45C auger, 2' split-spoon sampler)<br>GBTS STAFF: A. Litwin    WEATHER: Partly cloudy, 40s F                                          |          |           |       |          |      |                                          |
| BORING<br>INTERVAL<br>(RECOVERY) | SURFACE MATERIAL: CONCRETE (4")                                                                                                                                                     | MOISTURE | PID (ppm) | ODORS | STAINING | NAPL | SAMPLES<br>COLLECTED                     |
|                                  | <b>SOIL / MATERIAL DESCRIPTION</b>                                                                                                                                                  |          |           |       |          |      |                                          |
| <b>0 – 2'</b><br>(90%)           | Weathered concrete<br>Brown SILTY SAND with brick, concrete, gravel and debris (fill)                                                                                               | Dry      | 0.0       | ND    | ND       | ND   | <b>0-2</b>                               |
| <b>2 – 4'</b><br>(80%)           | Brown SILTY SAND with brick, concrete, gravel and debris (fill)<br>Orange-brown M to C SAND with silt and gravel                                                                    | Dry      | 0.0       | ND    | ND       | ND   | <b>2-4</b>                               |
|                                  | ***** End of Boring at 4' *****                                                                                                                                                     |          |           |       |          |      |                                          |
|                                  |                                                                                                                                                                                     |          |           |       |          |      |                                          |
|                                  |                                                                                                                                                                                     |          |           |       |          |      |                                          |
|                                  |                                                                                                                                                                                     |          |           |       |          |      |                                          |
|                                  |                                                                                                                                                                                     |          |           |       |          |      |                                          |
| <b>Notes</b>                     | <b>Fill Materials</b><br>~0 - 3'<br><b>Field Evidence of Contamination</b><br>Not encountered<br><b>Saturated Soils</b><br>Not encountered<br><b>Additional Field Notes</b><br>None |          |           |       |          |      |                                          |

**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)    **SI** (slight)

# Soil Boring Log

|                                                                                                                                                                                                  |                                                                                                                                            |          |           |       |          |      |                                          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------|-------|----------|------|------------------------------------------|
| <b>B-5</b><br><br>(SHEET 1 OF 1)                                                                                                                                                                 | <b>10-16 Beach 19<sup>th</sup> Street</b><br><b>Borough of Queen, New York</b>                                                             |          |           |       |          |      | <i>GBTS PROJECT</i><br><i>21003-0004</i> |
|                                                                                                                                                                                                  | DATE: 2023-01-06    DRILLER (RIG)    GTA (CME 45C auger, 2' split-spoon sampler)<br>GBTS STAFF: A. Litwin    WEATHER: Partly cloudy, 40s F |          |           |       |          |      |                                          |
| BORING<br>INTERVAL<br>(RECOVERY)                                                                                                                                                                 | SURFACE MATERIAL: CONCRETE (4")                                                                                                            | MOISTURE | PID (ppm) | ODORS | STAINING | NAPL | SAMPLES<br>COLLECTED                     |
|                                                                                                                                                                                                  | <b>SOIL / MATERIAL DESCRIPTION</b>                                                                                                         |          |           |       |          |      |                                          |
| <b>0 – 2'</b><br>(90%)                                                                                                                                                                           | Weathered concrete<br>Brown SILTY SAND with brick, concrete, gravel<br>and debris (fill)                                                   | Dry      | 0.0       | ND    | ND       | ND   | <b>0-2</b>                               |
| <b>2 – 4'</b><br>(90%)                                                                                                                                                                           | Brown SILTY SAND with brick, concrete, gravel<br>and debris (fill)<br>Brown M to C SAND with silt and gravel                               | Dry      | 0.0       | ND    | ND       | ND   | <b>2-4</b>                               |
|                                                                                                                                                                                                  | ***** End of Boring at 4' *****                                                                                                            |          |           |       |          |      |                                          |
|                                                                                                                                                                                                  |                                                                                                                                            |          |           |       |          |      |                                          |
|                                                                                                                                                                                                  |                                                                                                                                            |          |           |       |          |      |                                          |
|                                                                                                                                                                                                  |                                                                                                                                            |          |           |       |          |      |                                          |
|                                                                                                                                                                                                  |                                                                                                                                            |          |           |       |          |      |                                          |
| <b>Notes</b> <b>Fill Materials</b><br>~0 - 3'<br><b>Field Evidence of Contamination</b><br>Not encountered<br><b>Saturated Soils</b><br>Not encountered<br><b>Additional Field Notes</b><br>None |                                                                                                                                            |          |           |       |          |      |                                          |

**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)    **SI** (slight)

# Soil Boring Log

|                                                                                                                                                                                                  |                                                                                          |          |               |       |                                             |      |                                          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|----------|---------------|-------|---------------------------------------------|------|------------------------------------------|
| <b>B-6</b><br><br>(SHEET 1 OF 1)                                                                                                                                                                 | <b>10-16 Beach 19<sup>th</sup> Street</b><br><b>Borough of Queen, New York</b>           |          |               |       |                                             |      | <i>GBTS PROJECT</i><br><i>21003-0004</i> |
|                                                                                                                                                                                                  | DATE: 2023-01-06                                                                         |          | DRILLER (RIG) |       | GTA (CME 45C auger, 2' split-spoon sampler) |      |                                          |
|                                                                                                                                                                                                  | GBTS STAFF: A. Litwin                                                                    |          | WEATHER:      |       | Partly cloudy, 40s F                        |      |                                          |
| BORING<br>INTERVAL<br>(RECOVERY)                                                                                                                                                                 | SURFACE MATERIAL: CONCRETE (4")                                                          | MOISTURE | PID (ppm)     | ODORS | STAINING                                    | NAPL | SAMPLES<br>COLLECTED                     |
|                                                                                                                                                                                                  | <b>SOIL / MATERIAL DESCRIPTION</b>                                                       |          |               |       |                                             |      |                                          |
| <b>0 – 2'</b><br>(90%)                                                                                                                                                                           | Weathered concrete<br>Brown SILTY SAND with brick, concrete, gravel<br>and debris (fill) | Dry      | 0.0           | ND    | ND                                          | ND   | <b>0-2</b>                               |
| <b>2 – 4'</b><br>(90%)                                                                                                                                                                           | Brown SILTY SAND with brick, concrete, gravel<br>and debris (fill)                       | Dry      | 0.0           | ND    | ND                                          | ND   | <b>2-4</b>                               |
|                                                                                                                                                                                                  | ***** End of Boring at 4' *****                                                          |          |               |       |                                             |      |                                          |
|                                                                                                                                                                                                  |                                                                                          |          |               |       |                                             |      |                                          |
|                                                                                                                                                                                                  |                                                                                          |          |               |       |                                             |      |                                          |
|                                                                                                                                                                                                  |                                                                                          |          |               |       |                                             |      |                                          |
|                                                                                                                                                                                                  |                                                                                          |          |               |       |                                             |      |                                          |
|                                                                                                                                                                                                  |                                                                                          |          |               |       |                                             |      |                                          |
| <b>Notes</b> <b>Fill Materials</b><br>~0 - 4'<br><b>Field Evidence of Contamination</b><br>Not encountered<br><b>Saturated Soils</b><br>Not encountered<br><b>Additional Field Notes</b><br>None |                                                                                          |          |               |       |                                             |      |                                          |

**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)    **SI** (slight)



# Soil Boring Log

|                                                                                                                                                                                                  |                                                                                                       |          |           |       |          |      |                                          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|----------|-----------|-------|----------|------|------------------------------------------|
| <b>B-7</b><br><br>(SHEET 1 OF 1)                                                                                                                                                                 | <b>10-16 Beach 19<sup>th</sup> Street</b><br><b>Borough of Queen, New York</b>                        |          |           |       |          |      | <i>GBTS PROJECT</i><br><i>21003-0004</i> |
|                                                                                                                                                                                                  | DATE: 2023-01-05    DRILLER (RIG)    GTA (CME 45C auger, 2' split-spoon sampler)                      |          |           |       |          |      |                                          |
|                                                                                                                                                                                                  | GBTS STAFF: A. Litwin    WEATHER: Partly cloudy, 40s F                                                |          |           |       |          |      |                                          |
| BORING<br>INTERVAL<br>(RECOVERY)                                                                                                                                                                 | SURFACE MATERIAL: ASPHALT (6")                                                                        | MOISTURE | PID (ppm) | ODORS | STAINING | NAPL | SAMPLES<br>COLLECTED                     |
|                                                                                                                                                                                                  | SOIL / MATERIAL DESCRIPTION                                                                           |          |           |       |          |      |                                          |
| <b>0 – 2'</b><br>(90%)                                                                                                                                                                           | Weathered asphalt<br>Brown SILTY SAND with brick, concrete, gravel<br>and debris (fill)               | Dry      | 0.0       | ND    | ND       | ND   | <b>0-2</b>                               |
| <b>2 – 4'</b><br>(80%)                                                                                                                                                                           | Brown SILTY SAND with brick, concrete, and<br>debris (fill)<br>Brown M to C SAND with silt and gravel | Dry      | 0.0       | ND    | ND       | ND   |                                          |
| <b>4 – 6'</b><br>(80%)                                                                                                                                                                           | Brown M to C SAND with silt and gravel                                                                | Dry      | 0.0       | ND    | ND       | ND   |                                          |
| <b>6 – 8'</b><br>(75%)                                                                                                                                                                           | Brown M to C SAND with silt and gravel                                                                | Dry      | 0.0       | ND    | ND       | ND   |                                          |
| <b>8 – 10'</b><br>(65%)                                                                                                                                                                          | Brown M to C SAND with silt and gravel                                                                | Dry      | 0.0       | ND    | ND       | ND   |                                          |
| <b>10 – 13'</b><br>(60%)                                                                                                                                                                         | Brown M to C SAND with silt and gravel                                                                | Moist    | 0.0       | ND    | ND       | ND   | <b>11-13</b>                             |
|                                                                                                                                                                                                  | ***** End of Boring at 13' *****                                                                      |          |           |       |          |      |                                          |
| <b>Notes</b> <b>Fill Materials</b><br>~0 - 4'<br><b>Field Evidence of Contamination</b><br>Not encountered<br><b>Saturated Soils</b><br>Not encountered<br><b>Additional Field Notes</b><br>None |                                                                                                       |          |           |       |          |      |                                          |

**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)    **SI** (slight)

# Soil Boring Log

|                                                                                                                                                                                                                                                                                        |                                                                                                                                            |          |           |       |          |      |                                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------|-------|----------|------|------------------------------------------|
| <b>B-8W</b><br><br>(SHEET 1 OF 1)                                                                                                                                                                                                                                                      | <b>10-16 Beach 19<sup>th</sup> Street</b><br><b>Borough of Queen, New York</b>                                                             |          |           |       |          |      | <i>GBTS PROJECT</i><br><i>21003-0004</i> |
|                                                                                                                                                                                                                                                                                        | DATE: 2023-01-10    DRILLER (RIG)    GTA (CME 45C auger, 2' split-spoon sampler)<br>GBTS STAFF: A. Litwin    WEATHER: Partly cloudy, 40s F |          |           |       |          |      |                                          |
| BORING<br>INTERVAL<br>(RECOVERY)                                                                                                                                                                                                                                                       | SURFACE MATERIAL: CONCRETE (4")                                                                                                            | MOISTURE | PID (ppm) | ODORS | STAINING | NAPL | SAMPLES<br>COLLECTED                     |
|                                                                                                                                                                                                                                                                                        | <b>SOIL / MATERIAL DESCRIPTION</b>                                                                                                         |          |           |       |          |      |                                          |
| <b>0 – 2'</b><br>(90%)                                                                                                                                                                                                                                                                 | Weathered concrete<br>Brown SILTY SAND with brick, concrete, gravel<br>and debris (fill)                                                   | Dry      | 0.4       | ND    | ND       | ND   | <b>0-2</b>                               |
| <b>2 – 4'</b><br>(90%)                                                                                                                                                                                                                                                                 | Brown M to C SAND with silt and gravel                                                                                                     | Dry      | 0.4       | ND    | ND       | ND   | <b>2-4</b>                               |
|                                                                                                                                                                                                                                                                                        | ***** End of Boring at 4' *****                                                                                                            |          |           |       |          |      |                                          |
|                                                                                                                                                                                                                                                                                        |                                                                                                                                            |          |           |       |          |      |                                          |
|                                                                                                                                                                                                                                                                                        |                                                                                                                                            |          |           |       |          |      |                                          |
|                                                                                                                                                                                                                                                                                        |                                                                                                                                            |          |           |       |          |      |                                          |
|                                                                                                                                                                                                                                                                                        |                                                                                                                                            |          |           |       |          |      |                                          |
| <b>Notes</b> <b>Fill Materials</b><br>~0 - 2'<br><b>Field Evidence of Contamination</b><br>Positive PID readings<br><b>Saturated Soils</b><br>Not encountered<br><b>Additional Field Notes</b><br>Monitoring well installation was attempted; however, refusal was encountered at ~17' |                                                                                                                                            |          |           |       |          |      |                                          |

**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)    **SI** (slight)

## APPENDIX C

### Data Summary Tables

**Table1: VOCs in Soils**  
**GBTS Project: 21003-0004**

| Sample<br>Date<br>Dilution             |        |         | B-1W 0-2   |           | B-1W 2-4   |           | B-2W 0-2   |           | B-2W 2-4   |           |
|----------------------------------------|--------|---------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|
|                                        |        |         | 2023-01-05 |           | 2023-01-05 |           | 2023-01-06 |           | 2023-01-06 |           |
|                                        |        |         | 1          |           | 1          |           | 1          |           | 1          |           |
| VOCs, 8260                             | UU SCO | RRU SCO | Result     | Qualifier | Result     | Qualifier | Result     | Qualifier | Result     | Qualifier |
| 1,1,1,2-Tetrachloroethane              | NA     | NA      | 0.0032     | U         | 0.0023     | U         | 0.0024     | U         | 0.0023     | U         |
| 1,1,1-Trichloroethane                  | 0.68   | 100     | 0.0032     | U         | 0.0023     | U         | 0.0024     | U         | 0.0023     | U         |
| 1,1,2,2-Tetrachloroethane              | NA     | NA      | 0.0032     | U         | 0.0023     | U         | 0.0024     | U         | 0.0023     | U         |
| 1,1,2-Trichloro-1,2,2-trifluoroethane  | NA     | NA      | 0.0032     | U         | 0.0023     | U         | 0.0024     | U         | 0.0023     | U         |
| 1,1,2-Trichloroethane                  | NA     | NA      | 0.0032     | U         | 0.0023     | U         | 0.0024     | U         | 0.0023     | U         |
| 1,1-Dichloroethane                     | 0.27   | 26      | 0.0032     | U         | 0.0023     | U         | 0.0024     | U         | 0.0023     | U         |
| 1,1-Dichloroethylene (1,1-DCE)         | 0.33   | 100     | 0.0032     | U         | 0.0023     | U         | 0.0024     | U         | 0.0023     | U         |
| 1,2,3-Trichlorobenzene                 | NA     | NA      | 0.0032     | U         | 0.0023     | U         | 0.0024     | U         | 0.0023     | U         |
| 1,2,3-Trichloropropane                 | NA     | NA      | 0.0032     | U         | 0.0023     | U         | 0.0024     | U         | 0.0023     | U         |
| 1,2,4-Trichlorobenzene                 | NA     | NA      | 0.0032     | U         | 0.0023     | U         | 0.0024     | U         | 0.0023     | U         |
| 1,2,4-Trimethylbenzene                 | 3.6    | 52      | 0.0032     | U         | 0.0023     | U         | 0.0024     | U         | 0.0026     | J         |
| 1,2-Dibromo-3-chloropropane            | NA     | NA      | 0.0032     | U         | 0.0023     | U         | 0.0024     | U         | 0.0023     | U         |
| 1,2-Dibromoethane                      | NA     | NA      | 0.0032     | U         | 0.0023     | U         | 0.0024     | U         | 0.0023     | U         |
| 1,2-Dichlorobenzene                    | 1.1    | 100     | 0.0032     | U         | 0.0023     | U         | 0.0024     | U         | 0.0023     | U         |
| 1,2-Dichloroethane                     | 0.02   | 3.1     | 0.0032     | U         | 0.0023     | U         | 0.0024     | U         | 0.0023     | U         |
| 1,2-Dichloropropane                    | NA     | NA      | 0.0032     | U         | 0.0023     | U         | 0.0024     | U         | 0.0023     | U         |
| 1,3,5-Trimethylbenzene                 | 8.4    | 52      | 0.0032     | U         | 0.0023     | U         | 0.0024     | U         | 0.0023     | U         |
| 1,3-Dichlorobenzene                    | 2.4    | 49      | 0.0032     | U         | 0.0023     | U         | 0.0024     | U         | 0.0023     | U         |
| 1,4-Dichlorobenzene                    | 1.8    | 13      | 0.0032     | U         | 0.0023     | U         | 0.0024     | U         | 0.0023     | U         |
| 1,4-Dioxane                            | 0.1    | 13      | 0.063      | U         | 0.047      | U         | 0.048      | U         | 0.046      | U         |
| 2-Butanone (MEK)                       | 0.12   | 100     | 0.0032     | U         | 0.0023     | U         | 0.0024     | U         | 0.0023     | U         |
| 2-Hexanone                             | NA     | NA      | 0.0032     | U         | 0.0023     | U         | 0.0024     | U         | 0.0023     | U         |
| 4-Methyl-2-pentanone                   | NA     | NA      | 0.0032     | U         | 0.0023     | U         | 0.0024     | U         | 0.0063     |           |
| Acetone                                | 0.05   | 100     | 0.0084     | J         | 0.031      |           | 0.015      |           | 0.014      |           |
| Acrolein                               | NA     | NA      | 0.0063     | U         | 0.0047     | U         | 0.0048     | U         | 0.0046     | U         |
| Acrylonitrile                          | NA     | NA      | 0.0032     | U         | 0.0023     | U         | 0.0024     | U         | 0.0023     | U         |
| Benzene                                | 0.06   | 4.8     | 0.0032     | U         | 0.0023     | U         | 0.0024     | U         | 0.0023     | U         |
| Bromochloromethane                     | NA     | NA      | 0.0032     | U         | 0.0023     | U         | 0.0024     | U         | 0.0023     | U         |
| Bromodichloromethane                   | NA     | NA      | 0.0032     | U         | 0.0023     | U         | 0.0024     | U         | 0.0023     | U         |
| Bromoform                              | NA     | NA      | 0.0032     | U         | 0.0023     | U         | 0.0024     | U         | 0.0023     | U         |
| Bromomethane                           | NA     | NA      | 0.0032     | U         | 0.0023     | U         | 0.0024     | U         | 0.0023     | U         |
| Carbon disulfide                       | NA     | NA      | 0.0032     | U         | 0.0023     | U         | 0.0024     | U         | 0.0023     | U         |
| Carbon tetrachloride                   | 0.76   | 2.4     | 0.0032     | U         | 0.0023     | U         | 0.0024     | U         | 0.0023     | U         |
| Chlorobenzene                          | 1.1    | 100     | 0.0032     | U         | 0.0023     | U         | 0.0024     | U         | 0.0023     | U         |
| Chloroethane                           | NA     | NA      | 0.0032     | U         | 0.0023     | U         | 0.0024     | U         | 0.0023     | U         |
| Chloroform                             | 0.37   | 49      | 0.0032     | U         | 0.0023     | U         | 0.0024     | U         | 0.0023     | U         |
| Chloromethane                          | NA     | NA      | 0.0032     | U         | 0.0023     | U         | 0.0024     | U         | 0.0023     | U         |
| cis-1,2-Dichloroethylene (cis-DCE)     | 0.25   | 100     | 0.0032     | U         | 0.0023     | U         | 0.0024     | U         | 0.0023     | U         |
| cis-1,3-Dichloropropylene              | NA     | NA      | 0.0032     | U         | 0.0023     | U         | 0.0024     | U         | 0.0023     | U         |
| Cyclohexane                            | NA     | NA      | 0.0032     | U         | 0.0023     | U         | 0.0024     | U         | 0.0023     | U         |
| Dibromochloromethane                   | NA     | NA      | 0.0032     | U         | 0.0023     | U         | 0.0024     | U         | 0.0023     | U         |
| Dibromomethane                         | NA     | NA      | 0.0032     | U         | 0.0023     | U         | 0.0024     | U         | 0.0023     | U         |
| Dichlorodifluoromethane                | NA     | NA      | 0.0032     | U         | 0.0023     | U         | 0.0024     | U         | 0.0023     | U         |
| Ethyl Benzene                          | 1      | 41      | 0.0032     | U         | 0.0023     | U         | 0.0024     | U         | 0.0023     | U         |
| Hexachlorobutadiene                    | NA     | NA      | 0.0032     | U         | 0.0023     | U         | 0.0024     | U         | 0.0023     | U         |
| Isopropylbenzene                       | 2.3    | 100     | 0.0032     | U         | 0.0023     | U         | 0.0024     | U         | 0.0023     | U         |
| Methyl acetate                         | NA     | NA      | 0.0032     | U         | 0.0023     | U         | 0.0024     | U         | 0.0023     | U         |
| Methyl tert-butyl ether (MTBE)         | 0.93   | 100     | 0.0032     | U         | 0.0023     | U         | 0.0024     | U         | 0.0023     | U         |
| Methylcyclohexane                      | NA     | NA      | 0.0032     | U         | 0.0023     | U         | 0.0024     | U         | 0.0023     | U         |
| Methylene chloride                     | 0.05   | 100     | 0.0063     | U         | 0.0047     | U         | 0.0048     | U         | 0.0046     | U         |
| n-Butylbenzene                         | 12     | 100     | 0.0032     | U         | 0.0023     | U         | 0.0024     | U         | 0.0023     | U         |
| n-Propylbenzene                        | 3.9    | 100     | 0.0032     | U         | 0.0023     | U         | 0.0024     | U         | 0.0023     | U         |
| o-Xylene                               | 0.26   | 100     | 0.0032     | U         | 0.0023     | U         | 0.0034     | J         | 0.0038     | J         |
| p- & m- Xylenes                        | 0.26   | 100     | 0.0063     | U         | 0.0047     | U         | 0.0068     | J         | 0.0081     | J         |
| p-Isopropyltoluene                     | 10     | NA      | 0.0032     | U         | 0.0023     | U         | 0.0024     | U         | 0.0023     | U         |
| sec-Butylbenzene                       | 11     | 100     | 0.0032     | U         | 0.0023     | U         | 0.0024     | U         | 0.0023     | U         |
| Styrene                                | NA     | NA      | 0.0032     | U         | 0.0023     | U         | 0.0024     | U         | 0.0023     | U         |
| tert-Butyl alcohol (TBA)               | NA     | NA      | 0.0032     | U         | 0.0023     | U         | 0.0024     | U         | 0.0023     | U         |
| tert-Butylbenzene                      | 5.9    | 100     | 0.0032     | U         | 0.0023     | U         | 0.0024     | U         | 0.0023     | U         |
| Tetrachloroethylene (PCE)              | 1.3    | 19      | 0.0032     | U         | 0.0023     | U         | 0.0024     | U         | 0.0023     | U         |
| Toluene                                | 0.7    | 100     | 0.0032     | U         | 0.0023     | U         | 0.0057     |           | 0.0049     |           |
| trans-1,2-Dichloroethylene (trans-DCE) | 0.19   | 100     | 0.0032     | U         | 0.0023     | U         | 0.0024     | U         | 0.0023     | U         |
| trans-1,3-Dichloropropylene            | NA     | NA      | 0.0032     | U         | 0.0023     | U         | 0.0024     | U         | 0.0023     | U         |
| Trichloroethylene (TCE)                | 0.47   | 21      | 0.0032     | U         | 0.0023     | U         | 0.0024     | U         | 0.0023     | U         |
| Trichlorofluoromethane                 | NA     | NA      | 0.0032     | U         | 0.0023     | U         | 0.0024     | U         | 0.0023     | U         |
| Vinyl chloride (VC)                    | 0.02   | 0.9     | 0.0032     | U         | 0.0023     | U         | 0.0024     | U         | 0.0023     | U         |
| Xylenes, Total                         | 0.26   | 100     | 0.0095     | U         | 0.007      | U         | 0.01       | J         | 0.012      | J         |

Analyte Detected

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

**Table1: VOCs in Soils**  
**GBTS Project: 21003-0004**

| Sample<br>Date<br>Dilution             |        |         | B-3 0-2    |           | B-3 11-13  |           | B-4 0-2    |           | B-4 2-4    |           |
|----------------------------------------|--------|---------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|
|                                        |        |         | 2023-01-06 |           | 2023-01-09 |           | 2023-01-06 |           | 2023-01-06 |           |
|                                        |        |         | 1          |           | 1          |           | 1          |           | 1          |           |
| VOCs, 8260                             | UU SCO | RRU SCO | Result     | Qualifier | Result     | Qualifier | Result     | Qualifier | Result     | Qualifier |
| 1,1,1,2-Tetrachloroethane              | NA     | NA      | 0.0027     | U         | 0.0024     | U         | 0.0026     | U         | 0.0022     | U         |
| 1,1,1-Trichloroethane                  | 0.68   | 100     | 0.0027     | U         | 0.0024     | J         | 0.0026     | U         | 0.0022     | U         |
| 1,1,2,2-Tetrachloroethane              | NA     | NA      | 0.0027     | U         | 0.0024     | U         | 0.0026     | U         | 0.0022     | U         |
| 1,1,2-Trichloro-1,2,2-trifluoroethane  | NA     | NA      | 0.0027     | U         | 0.0024     | U         | 0.0026     | U         | 0.0022     | U         |
| 1,1,2-Trichloroethane                  | NA     | NA      | 0.0027     | U         | 0.0024     | U         | 0.0026     | U         | 0.0022     | U         |
| 1,1-Dichloroethane                     | 0.27   | 26      | 0.0027     | U         | 0.0024     | U         | 0.0026     | U         | 0.0022     | U         |
| 1,1-Dichloroethylene (1,1-DCE)         | 0.33   | 100     | 0.0027     | U         | 0.0024     | U         | 0.0026     | U         | 0.0022     | U         |
| 1,2,3-Trichlorobenzene                 | NA     | NA      | 0.0027     | U         | 0.0024     | U         | 0.0026     | U         | 0.0022     | U         |
| 1,2,3-Trichloropropane                 | NA     | NA      | 0.0027     | U         | 0.0024     | U         | 0.0026     | U         | 0.0022     | U         |
| 1,2,4-Trichlorobenzene                 | NA     | NA      | 0.0027     | U         | 0.0024     | U         | 0.0026     | U         | 0.0022     | U         |
| 1,2,4-Trimethylbenzene                 | 3.6    | 52      | 0.0027     | U         | 0.0024     | U         | 0.0026     | U         | 0.0022     | U         |
| 1,2-Dibromo-3-chloropropane            | NA     | NA      | 0.0027     | U         | 0.0024     | U         | 0.0026     | U         | 0.0022     | U         |
| 1,2-Dibromoethane                      | NA     | NA      | 0.0027     | U         | 0.0024     | U         | 0.0026     | U         | 0.0022     | U         |
| 1,2-Dichlorobenzene                    | 1.1    | 100     | 0.0027     | U         | 0.0024     | U         | 0.0026     | U         | 0.0022     | U         |
| 1,2-Dichloroethane                     | 0.02   | 3.1     | 0.0027     | U         | 0.0024     | U         | 0.0026     | U         | 0.0022     | U         |
| 1,2-Dichloropropane                    | NA     | NA      | 0.0027     | U         | 0.0024     | U         | 0.0026     | U         | 0.0022     | U         |
| 1,3,5-Trimethylbenzene                 | 8.4    | 52      | 0.0027     | U         | 0.0024     | U         | 0.0026     | U         | 0.0022     | U         |
| 1,3-Dichlorobenzene                    | 2.4    | 49      | 0.0027     | U         | 0.0024     | U         | 0.0026     | U         | 0.0022     | U         |
| 1,4-Dichlorobenzene                    | 1.8    | 13      | 0.0027     | U         | 0.0024     | U         | 0.0026     | U         | 0.0022     | U         |
| 1,4-Dioxane                            | 0.1    | 13      | 0.054      | U         | 0.048      | U         | 0.052      | U         | 0.044      | U         |
| 2-Butanone (MEK)                       | 0.12   | 100     | 0.0027     | U         | 0.0024     | U         | 0.0026     | U         | 0.0022     | U         |
| 2-Hexanone                             | NA     | NA      | 0.0027     | U         | 0.0024     | U         | 0.0026     | U         | 0.0022     | U         |
| 4-Methyl-2-pentanone                   | NA     | NA      | 0.0027     | U         | 0.0024     | U         | 0.0026     | U         | 0.0022     | U         |
| Acetone                                | 0.05   | 100     | 0.018      |           | 0.018      |           | 0.0091     | J         | 0.031      |           |
| Acrolein                               | NA     | NA      | 0.0054     | U         | 0.0048     | U         | 0.0052     | U         | 0.0044     | U         |
| Acrylonitrile                          | NA     | NA      | 0.0027     | U         | 0.0024     | U         | 0.0026     | U         | 0.0022     | U         |
| Benzene                                | 0.06   | 4.8     | 0.0027     | U         | 0.0024     | U         | 0.0026     | U         | 0.0022     | U         |
| Bromochloromethane                     | NA     | NA      | 0.0027     | U         | 0.0024     | U         | 0.0026     | U         | 0.0022     | U         |
| Bromodichloromethane                   | NA     | NA      | 0.0027     | U         | 0.0024     | U         | 0.0026     | U         | 0.0022     | U         |
| Bromoform                              | NA     | NA      | 0.0027     | U         | 0.0024     | U         | 0.0026     | U         | 0.0022     | U         |
| Bromomethane                           | NA     | NA      | 0.0027     | U         | 0.0024     | U         | 0.0026     | U         | 0.0022     | U         |
| Carbon disulfide                       | NA     | NA      | 0.0027     | U         | 0.0024     | U         | 0.0026     | U         | 0.0022     | U         |
| Carbon tetrachloride                   | 0.76   | 2.4     | 0.0027     | U         | 0.0024     | U         | 0.0026     | U         | 0.0022     | U         |
| Chlorobenzene                          | 1.1    | 100     | 0.0027     | U         | 0.0024     | U         | 0.0026     | U         | 0.0022     | U         |
| Chloroethane                           | NA     | NA      | 0.0027     | U         | 0.0024     | U         | 0.0026     | U         | 0.0022     | U         |
| Chloroform                             | 0.37   | 49      | 0.0027     | U         | 0.0024     | U         | 0.0026     | U         | 0.0022     | U         |
| Chloromethane                          | NA     | NA      | 0.0027     | U         | 0.0024     | U         | 0.0026     | U         | 0.0022     | U         |
| cis-1,2-Dichloroethylene (cis-DCE)     | 0.25   | 100     | 0.0027     | U         | 0.0024     | U         | 0.0026     | U         | 0.0022     | U         |
| cis-1,3-Dichloropropylene              | NA     | NA      | 0.0027     | U         | 0.0024     | U         | 0.0026     | U         | 0.0022     | U         |
| Cyclohexane                            | NA     | NA      | 0.0027     | U         | 0.0024     | U         | 0.0026     | U         | 0.0022     | U         |
| Dibromochloromethane                   | NA     | NA      | 0.0027     | U         | 0.0024     | U         | 0.0026     | U         | 0.0022     | U         |
| Dibromomethane                         | NA     | NA      | 0.0027     | U         | 0.0024     | U         | 0.0026     | U         | 0.0022     | U         |
| Dichlorodifluoromethane                | NA     | NA      | 0.0027     | U         | 0.0024     | U         | 0.0026     | U         | 0.0022     | U         |
| Ethyl Benzene                          | 1      | 41      | 0.0027     | U         | 0.0024     | U         | 0.0026     | U         | 0.0022     | U         |
| Hexachlorobutadiene                    | NA     | NA      | 0.0027     | U         | 0.0024     | U         | 0.0026     | U         | 0.0022     | U         |
| Isopropylbenzene                       | 2.3    | 100     | 0.0027     | U         | 0.0024     | U         | 0.0026     | U         | 0.0022     | U         |
| Methyl acetate                         | NA     | NA      | 0.0027     | U         | 0.0024     | U         | 0.0026     | U         | 0.0022     | U         |
| Methyl tert-butyl ether (MTBE)         | 0.93   | 100     | 0.0027     | U         | 0.0024     | U         | 0.0026     | U         | 0.0022     | U         |
| Methylcyclohexane                      | NA     | NA      | 0.0027     | U         | 0.0024     | U         | 0.0026     | U         | 0.0022     | U         |
| Methylene chloride                     | 0.05   | 100     | 0.0054     | U         | 0.0048     | U         | 0.0052     | U         | 0.0044     | U         |
| n-Butylbenzene                         | 12     | 100     | 0.0027     | U         | 0.0024     | U         | 0.0026     | U         | 0.0022     | U         |
| n-Propylbenzene                        | 3.9    | 100     | 0.0027     | U         | 0.0024     | U         | 0.0026     | U         | 0.0022     | U         |
| o-Xylene                               | 0.26   | 100     | 0.0027     | U         | 0.0024     | U         | 0.0026     | U         | 0.0022     | U         |
| p- & m- Xylenes                        | 0.26   | 100     | 0.0054     | U         | 0.0048     | U         | 0.0052     | U         | 0.0044     | U         |
| p-Isopropyltoluene                     | 10     | NA      | 0.0027     | U         | 0.0024     | U         | 0.0026     | U         | 0.0022     | U         |
| sec-Butylbenzene                       | 11     | 100     | 0.0027     | U         | 0.0024     | U         | 0.0026     | U         | 0.0022     | U         |
| Styrene                                | NA     | NA      | 0.0027     | U         | 0.0024     | U         | 0.0026     | U         | 0.0022     | U         |
| tert-Butyl alcohol (TBA)               | NA     | NA      | 0.0027     | U         | 0.0024     | U         | 0.0026     | U         | 0.0022     | U         |
| tert-Butylbenzene                      | 5.9    | 100     | 0.0027     | U         | 0.0024     | U         | 0.0026     | U         | 0.0022     | U         |
| Tetrachloroethylene (PCE)              | 1.3    | 19      | 0.0027     | U         | 0.0024     | U         | 0.0026     | U         | 0.0022     | U         |
| Toluene                                | 0.7    | 100     | 0.0027     | U         | 0.0024     | U         | 0.0026     | U         | 0.0022     | U         |
| trans-1,2-Dichloroethylene (trans-DCE) | 0.19   | 100     | 0.0027     | U         | 0.0024     | U         | 0.0026     | U         | 0.0022     | U         |
| trans-1,3-Dichloropropylene            | NA     | NA      | 0.0027     | U         | 0.0024     | U         | 0.0026     | U         | 0.0022     | U         |
| Trichloroethylene (TCE)                | 0.47   | 21      | 0.0027     | U         | 0.0024     | U         | 0.0026     | U         | 0.0022     | U         |
| Trichlorofluoromethane                 | NA     | NA      | 0.0027     | U         | 0.0024     | U         | 0.0026     | U         | 0.0022     | U         |
| Vinyl chloride (VC)                    | 0.02   | 0.9     | 0.0027     | U         | 0.0024     | U         | 0.0026     | U         | 0.0022     | U         |
| Xylenes, Total                         | 0.26   | 100     | 0.008      | U         | 0.0072     | U         | 0.0078     | U         | 0.0067     | U         |

Analyte Detected

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

**Table1: VOCs in Soils**  
**GBTS Project: 21003-0004**

| Sample<br>Date<br>Dilution             |        |         | B-5 0-2    |           | B-5 2-4    |           | B-6 0-2    |           | B-6 2-4    |           |
|----------------------------------------|--------|---------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|
|                                        |        |         | 2023-01-06 |           | 2023-01-06 |           | 2023-01-06 |           | 2023-01-06 |           |
|                                        |        |         | 1          |           | 1          |           | 1          |           | 1          |           |
| VOCs, 8260                             | UU SCO | RRU SCO | Result     | Qualifier | Result     | Qualifier | Result     | Qualifier | Result     | Qualifier |
| 1,1,1,2-Tetrachloroethane              | NA     | NA      | 0.0031     | U         | 0.0024     | U         | 0.0025     | U         | 0.0027     | U         |
| 1,1,1-Trichloroethane                  | 0.68   | 100     | 0.0031     | U         | 0.0024     | U         | 0.0025     | U         | 0.0027     | U         |
| 1,1,2,2-Tetrachloroethane              | NA     | NA      | 0.0031     | U         | 0.0024     | U         | 0.0025     | U         | 0.0027     | U         |
| 1,1,2-Trichloro-1,2,2-trifluoroethane  | NA     | NA      | 0.0031     | U         | 0.0024     | U         | 0.0025     | U         | 0.0027     | U         |
| 1,1,2-Trichloroethane                  | NA     | NA      | 0.0031     | U         | 0.0024     | U         | 0.0025     | U         | 0.0027     | U         |
| 1,1-Dichloroethane                     | 0.27   | 26      | 0.0031     | U         | 0.0024     | U         | 0.0025     | U         | 0.0027     | U         |
| 1,1-Dichloroethylene (1,1-DCE)         | 0.33   | 100     | 0.0031     | U         | 0.0024     | U         | 0.0025     | U         | 0.0027     | U         |
| 1,2,3-Trichlorobenzene                 | NA     | NA      | 0.0031     | U         | 0.0024     | U         | 0.0025     | U         | 0.0027     | U         |
| 1,2,3-Trichloropropane                 | NA     | NA      | 0.0031     | U         | 0.0024     | U         | 0.0025     | U         | 0.0027     | U         |
| 1,2,4-Trichlorobenzene                 | NA     | NA      | 0.0031     | U         | 0.0024     | U         | 0.0025     | U         | 0.0027     | U         |
| 1,2,4-Trimethylbenzene                 | 3.6    | 52      | 0.0031     | U         | 0.0024     | U         | 0.0025     | U         | 0.0027     | U         |
| 1,2-Dibromo-3-chloropropane            | NA     | NA      | 0.0031     | U         | 0.0024     | U         | 0.0025     | U         | 0.0027     | U         |
| 1,2-Dibromoethane                      | NA     | NA      | 0.0031     | U         | 0.0024     | U         | 0.0025     | U         | 0.0027     | U         |
| 1,2-Dichlorobenzene                    | 1.1    | 100     | 0.0031     | U         | 0.0024     | U         | 0.0025     | U         | 0.0027     | U         |
| 1,2-Dichloroethane                     | 0.02   | 3.1     | 0.0031     | U         | 0.0024     | U         | 0.0025     | U         | 0.0027     | U         |
| 1,2-Dichloropropane                    | NA     | NA      | 0.0031     | U         | 0.0024     | U         | 0.0025     | U         | 0.0027     | U         |
| 1,3,5-Trimethylbenzene                 | 8.4    | 52      | 0.0031     | U         | 0.0024     | U         | 0.0025     | U         | 0.0027     | U         |
| 1,3-Dichlorobenzene                    | 2.4    | 49      | 0.0031     | U         | 0.0024     | U         | 0.0025     | U         | 0.0027     | U         |
| 1,4-Dichlorobenzene                    | 1.8    | 13      | 0.0031     | U         | 0.0024     | U         | 0.0025     | U         | 0.0027     | U         |
| 1,4-Dioxane                            | 0.1    | 13      | 0.062      | U         | 0.047      | U         | 0.051      | U         | 0.054      | U         |
| 2-Butanone (MEK)                       | 0.12   | 100     | 0.0031     | U         | 0.0024     | U         | 0.0025     | U         | 0.0027     | U         |
| 2-Hexanone                             | NA     | NA      | 0.0031     | U         | 0.0024     | U         | 0.0025     | U         | 0.0027     | U         |
| 4-Methyl-2-pentanone                   | NA     | NA      | 0.0031     | U         | 0.0024     | U         | 0.0025     | U         | 0.0027     | U         |
| Acetone                                | 0.05   | 100     | 0.048      |           | 0.0047     | U         | 0.0091     | J         | 0.006      | J         |
| Acrolein                               | NA     | NA      | 0.0062     | U         | 0.0047     | U         | 0.0051     | U         | 0.0054     | U         |
| Acrylonitrile                          | NA     | NA      | 0.0031     | U         | 0.0024     | U         | 0.0025     | U         | 0.0027     | U         |
| Benzene                                | 0.06   | 4.8     | 0.0031     | U         | 0.0024     | U         | 0.0025     | U         | 0.0027     | U         |
| Bromochloromethane                     | NA     | NA      | 0.0031     | U         | 0.0024     | U         | 0.0025     | U         | 0.0027     | U         |
| Bromodichloromethane                   | NA     | NA      | 0.0031     | U         | 0.0024     | U         | 0.0025     | U         | 0.0027     | U         |
| Bromoform                              | NA     | NA      | 0.0031     | U         | 0.0024     | U         | 0.0025     | U         | 0.0027     | U         |
| Bromomethane                           | NA     | NA      | 0.0031     | U         | 0.0024     | U         | 0.0025     | U         | 0.0027     | U         |
| Carbon disulfide                       | NA     | NA      | 0.0031     | U         | 0.0024     | U         | 0.0025     | U         | 0.0027     | U         |
| Carbon tetrachloride                   | 0.76   | 2.4     | 0.0031     | U         | 0.0024     | U         | 0.0025     | U         | 0.0027     | U         |
| Chlorobenzene                          | 1.1    | 100     | 0.0031     | U         | 0.0024     | U         | 0.0025     | U         | 0.0027     | U         |
| Chloroethane                           | NA     | NA      | 0.0031     | U         | 0.0024     | U         | 0.0025     | U         | 0.0027     | U         |
| Chloroform                             | 0.37   | 49      | 0.0031     | U         | 0.0024     | U         | 0.0025     | U         | 0.0027     | U         |
| Chloromethane                          | NA     | NA      | 0.0031     | U         | 0.0024     | U         | 0.0025     | U         | 0.0027     | U         |
| cis-1,2-Dichloroethylene (cis-DCE)     | 0.25   | 100     | 0.0031     | U         | 0.0024     | U         | 0.0025     | U         | 0.0027     | U         |
| cis-1,3-Dichloropropylene              | NA     | NA      | 0.0031     | U         | 0.0024     | U         | 0.0025     | U         | 0.0027     | U         |
| Cyclohexane                            | NA     | NA      | 0.0031     | U         | 0.0024     | U         | 0.0025     | U         | 0.0027     | U         |
| Dibromochloromethane                   | NA     | NA      | 0.0031     | U         | 0.0024     | U         | 0.0025     | U         | 0.0027     | U         |
| Dibromomethane                         | NA     | NA      | 0.0031     | U         | 0.0024     | U         | 0.0025     | U         | 0.0027     | U         |
| Dichlorodifluoromethane                | NA     | NA      | 0.0031     | U         | 0.0024     | U         | 0.0025     | U         | 0.0027     | U         |
| Ethyl Benzene                          | 1      | 41      | 0.0031     | U         | 0.0024     | U         | 0.0025     | U         | 0.0027     | U         |
| Hexachlorobutadiene                    | NA     | NA      | 0.0031     | U         | 0.0024     | U         | 0.0025     | U         | 0.0027     | U         |
| Isopropylbenzene                       | 2.3    | 100     | 0.0031     | U         | 0.0024     | U         | 0.0025     | U         | 0.0027     | U         |
| Methyl acetate                         | NA     | NA      | 0.0031     | U         | 0.0024     | U         | 0.0025     | U         | 0.0027     | U         |
| Methyl tert-butyl ether (MTBE)         | 0.93   | 100     | 0.0031     | U         | 0.0024     | U         | 0.0025     | U         | 0.0027     | U         |
| Methylcyclohexane                      | NA     | NA      | 0.0031     | U         | 0.0024     | U         | 0.0025     | U         | 0.0027     | U         |
| Methylene chloride                     | 0.05   | 100     | 0.0062     | U         | 0.0047     | U         | 0.0051     | U         | 0.0054     | U         |
| n-Butylbenzene                         | 12     | 100     | 0.0031     | U         | 0.0024     | U         | 0.0025     | U         | 0.0027     | U         |
| n-Propylbenzene                        | 3.9    | 100     | 0.0031     | U         | 0.0024     | U         | 0.0025     | U         | 0.0027     | U         |
| o-Xylene                               | 0.26   | 100     | 0.0042     | J         | 0.0027     | J         | 0.0025     | U         | 0.0027     | U         |
| p- & m- Xylenes                        | 0.26   | 100     | 0.0098     | J         | 0.0055     | J         | 0.0051     | U         | 0.0054     | U         |
| p-Isopropyltoluene                     | 10     | NA      | 0.0031     | U         | 0.0024     | U         | 0.0025     | U         | 0.0027     | U         |
| sec-Butylbenzene                       | 11     | 100     | 0.0031     | U         | 0.0024     | U         | 0.0025     | U         | 0.0027     | U         |
| Styrene                                | NA     | NA      | 0.0031     | U         | 0.0024     | U         | 0.0025     | U         | 0.0027     | U         |
| tert-Butyl alcohol (TBA)               | NA     | NA      | 0.0031     | U         | 0.0024     | U         | 0.0025     | U         | 0.0027     | U         |
| tert-Butylbenzene                      | 5.9    | 100     | 0.0031     | U         | 0.0024     | U         | 0.0025     | U         | 0.0027     | U         |
| Tetrachloroethylene (PCE)              | 1.3    | 19      | 0.0053     | J         | 0.0024     | U         | 0.0025     | U         | 0.0027     | U         |
| Toluene                                | 0.7    | 100     | 0.01       |           | 0.0031     | J         | 0.0025     | U         | 0.0027     | U         |
| trans-1,2-Dichloroethylene (trans-DCE) | 0.19   | 100     | 0.0031     | U         | 0.0024     | U         | 0.0025     | U         | 0.0027     | U         |
| trans-1,3-Dichloropropylene            | NA     | NA      | 0.0031     | U         | 0.0024     | U         | 0.0025     | U         | 0.0027     | U         |
| Trichloroethylene (TCE)                | 0.47   | 21      | 0.0031     | U         | 0.0024     | U         | 0.0025     | U         | 0.0027     | U         |
| Trichlorofluoromethane                 | NA     | NA      | 0.0031     | U         | 0.0024     | U         | 0.0025     | U         | 0.0027     | U         |
| Vinyl chloride (VC)                    | 0.02   | 0.9     | 0.0031     | U         | 0.0024     | U         | 0.0025     | U         | 0.0027     | U         |
| Xylenes, Total                         | 0.26   | 100     | 0.014      | J         | 0.0082     | J         | 0.0076     | U         | 0.0081     | U         |

Analyte Detected

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

**Table1: VOCs in Soils**  
**GBTS Project: 21003-0004**

| <b>VOCs, 8260</b><br><i>U= Not Detected ≥ value</i><br><i>All data in mg/Kg (ppm)</i> |        |         | Sample   |           | B-7 0-2    |           | B-7 11-13  |           | B-8W 0-2   |           | B-8W 2-4   |           |
|---------------------------------------------------------------------------------------|--------|---------|----------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|
|                                                                                       |        |         | Date     |           | 2023-01-04 |           | 2023-01-04 |           | 2023-01-10 |           | 2023-01-10 |           |
|                                                                                       |        |         | Dilution |           | 1          |           | 1          |           | 1          |           | 1          |           |
|                                                                                       | UU SCO | RRU SCO | Result   | Qualifier | Result     | Qualifier | Result     | Qualifier | Result     | Qualifier | Result     | Qualifier |
| 1,1,1,2-Tetrachloroethane                                                             | NA     | NA      | 0.0027   | U         | 0.0026     | U         | 0.0022     | U         | 0.0023     | U         |            |           |
| 1,1,1-Trichloroethane                                                                 | 0.68   | 100     | 0.0027   | U         | 0.0026     | U         | 0.0022     | U         | 0.0023     | U         |            |           |
| 1,1,2,2-Tetrachloroethane                                                             | NA     | NA      | 0.0027   | U         | 0.0026     | U         | 0.0022     | U         | 0.0023     | U         |            |           |
| 1,1,2-Trichloro-1,2,2-trifluoroethane                                                 | NA     | NA      | 0.0027   | U         | 0.0026     | U         | 0.0022     | U         | 0.0023     | U         |            |           |
| 1,1,2-Trichloroethane                                                                 | NA     | NA      | 0.0027   | U         | 0.0026     | U         | 0.0022     | U         | 0.0023     | U         |            |           |
| 1,1-Dichloroethane                                                                    | 0.27   | 26      | 0.0027   | U         | 0.0026     | U         | 0.0022     | U         | 0.0023     | U         |            |           |
| 1,1-Dichloroethylene (1,1-DCE)                                                        | 0.33   | 100     | 0.0027   | U         | 0.0026     | U         | 0.0022     | U         | 0.0023     | U         |            |           |
| 1,2,3-Trichlorobenzene                                                                | NA     | NA      | 0.0027   | U         | 0.0026     | U         | 0.0022     | U         | 0.0023     | U         |            |           |
| 1,2,3-Trichloropropane                                                                | NA     | NA      | 0.0027   | U         | 0.0026     | U         | 0.0022     | U         | 0.0023     | U         |            |           |
| 1,2,4-Trichlorobenzene                                                                | NA     | NA      | 0.0027   | U         | 0.0026     | U         | 0.0022     | U         | 0.0023     | U         |            |           |
| 1,2,4-Trimethylbenzene                                                                | 3.6    | 52      | 0.0027   | U         | 0.0026     | U         | 0.034      |           | 0.0023     | U         |            |           |
| 1,2-Dibromo-3-chloropropane                                                           | NA     | NA      | 0.0027   | U         | 0.0026     | U         | 0.0022     | U         | 0.0023     | U         |            |           |
| 1,2-Dibromoethane                                                                     | NA     | NA      | 0.0027   | U         | 0.0026     | U         | 0.0022     | U         | 0.0023     | U         |            |           |
| 1,2-Dichlorobenzene                                                                   | 1.1    | 100     | 0.0027   | U         | 0.0026     | U         | 0.0022     | U         | 0.0023     | U         |            |           |
| 1,2-Dichloroethane                                                                    | 0.02   | 3.1     | 0.0027   | U         | 0.0026     | U         | 0.0022     | U         | 0.0023     | U         |            |           |
| 1,2-Dichloropropane                                                                   | NA     | NA      | 0.0027   | U         | 0.0026     | U         | 0.0022     | U         | 0.0023     | U         |            |           |
| 1,3,5-Trimethylbenzene                                                                | 8.4    | 52      | 0.0027   | U         | 0.0026     | U         | 0.0077     |           | 0.0023     | U         |            |           |
| 1,3-Dichlorobenzene                                                                   | 2.4    | 49      | 0.0027   | U         | 0.0026     | U         | 0.0022     | U         | 0.0023     | U         |            |           |
| 1,4-Dichlorobenzene                                                                   | 1.8    | 13      | 0.0027   | U         | 0.0026     | U         | 0.0022     | U         | 0.0023     | U         |            |           |
| 1,4-Dioxane                                                                           | 0.1    | 13      | 0.054    | U         | 0.051      | U         | 0.044      | U         | 0.047      | U         |            |           |
| 2-Butanone (MEK)                                                                      | 0.12   | 100     | 0.0027   | U         | 0.0026     | U         | 0.0022     | U         | 0.0023     | U         |            |           |
| 2-Hexanone                                                                            | NA     | NA      | 0.0027   | U         | 0.0026     | U         | 0.0022     | U         | 0.0023     | U         |            |           |
| 4-Methyl-2-pentanone                                                                  | NA     | NA      | 0.0027   | U         | 0.0026     | U         | 0.016      |           | 0.0074     |           |            |           |
| Acetone                                                                               | 0.05   | 100     | 0.0054   | U         | 0.012      |           | 0.0073     | J         | 0.0047     | U         |            |           |
| Acrolein                                                                              | NA     | NA      | 0.0054   | U         | 0.0051     | U         | 0.0044     | U         | 0.0047     | U         |            |           |
| Acrylonitrile                                                                         | NA     | NA      | 0.0027   | U         | 0.0026     | U         | 0.0022     | U         | 0.0023     | U         |            |           |
| Benzene                                                                               | 0.06   | 4.8     | 0.0027   | U         | 0.0026     | U         | 0.0022     | U         | 0.0023     | U         |            |           |
| Bromochloromethane                                                                    | NA     | NA      | 0.0027   | U         | 0.0026     | U         | 0.0022     | U         | 0.0023     | U         |            |           |
| Bromodichloromethane                                                                  | NA     | NA      | 0.0027   | U         | 0.0026     | U         | 0.0022     | U         | 0.0023     | U         |            |           |
| Bromoform                                                                             | NA     | NA      | 0.0027   | U         | 0.0026     | U         | 0.0022     | U         | 0.0023     | U         |            |           |
| Bromomethane                                                                          | NA     | NA      | 0.0027   | U         | 0.0026     | U         | 0.0022     | U         | 0.0023     | U         |            |           |
| Carbon disulfide                                                                      | NA     | NA      | 0.0027   | U         | 0.0026     | U         | 0.0022     | U         | 0.0023     | U         |            |           |
| Carbon tetrachloride                                                                  | 0.76   | 2.4     | 0.0027   | U         | 0.0026     | U         | 0.0022     | U         | 0.0023     | U         |            |           |
| Chlorobenzene                                                                         | 1.1    | 100     | 0.0027   | U         | 0.0026     | U         | 0.0022     | U         | 0.0023     | U         |            |           |
| Chloroethane                                                                          | NA     | NA      | 0.0027   | U         | 0.0026     | U         | 0.0022     | U         | 0.0023     | U         |            |           |
| Chloroform                                                                            | 0.37   | 49      | 0.0027   | U         | 0.0026     | U         | 0.0022     | U         | 0.0023     | U         |            |           |
| Chloromethane                                                                         | NA     | NA      | 0.0027   | U         | 0.0026     | U         | 0.0022     | U         | 0.0023     | U         |            |           |
| cis-1,2-Dichloroethylene (cis-DCE)                                                    | 0.25   | 100     | 0.0027   | U         | 0.0026     | U         | 0.0022     | U         | 0.0023     | U         |            |           |
| cis-1,3-Dichloropropylene                                                             | NA     | NA      | 0.0027   | U         | 0.0026     | U         | 0.0022     | U         | 0.0023     | U         |            |           |
| Cyclohexane                                                                           | NA     | NA      | 0.0027   | U         | 0.0026     | U         | 0.0022     | U         | 0.0023     | U         |            |           |
| Dibromochloromethane                                                                  | NA     | NA      | 0.0027   | U         | 0.0026     | U         | 0.0022     | U         | 0.0023     | U         |            |           |
| Dibromomethane                                                                        | NA     | NA      | 0.0027   | U         | 0.0026     | U         | 0.0022     | U         | 0.0023     | U         |            |           |
| Dichlorodifluoromethane                                                               | NA     | NA      | 0.0027   | U         | 0.0026     | U         | 0.0022     | U         | 0.0023     | U         |            |           |
| Ethyl Benzene                                                                         | 1      | 41      | 0.0027   | U         | 0.0026     | U         | 0.013      |           | 0.0023     | U         |            |           |
| Hexachlorobutadiene                                                                   | NA     | NA      | 0.0027   | U         | 0.0026     | U         | 0.0022     | U         | 0.0023     | U         |            |           |
| Isopropylbenzene                                                                      | 2.3    | 100     | 0.0027   | U         | 0.0026     | U         | 0.003      | J         | 0.0023     | U         |            |           |
| Methyl acetate                                                                        | NA     | NA      | 0.0027   | U         | 0.0026     | U         | 0.0022     | U         | 0.0023     | U         |            |           |
| Methyl tert-butyl ether (MTBE)                                                        | 0.93   | 100     | 0.0027   | U         | 0.0026     | U         | 0.0022     | U         | 0.0023     | U         |            |           |
| Methylcyclohexane                                                                     | NA     | NA      | 0.0027   | U         | 0.0026     | U         | 0.0022     | U         | 0.0023     | U         |            |           |
| Methylene chloride                                                                    | 0.05   | 100     | 0.0054   | U         | 0.0051     | U         | 0.0044     | U         | 0.0047     | U         |            |           |
| n-Butylbenzene                                                                        | 12     | 100     | 0.0027   | U         | 0.0026     | U         | 0.0022     | U         | 0.0023     | U         |            |           |
| n-Propylbenzene                                                                       | 3.9    | 100     | 0.0027   | U         | 0.0026     | U         | 0.0048     |           | 0.0023     | U         |            |           |
| o-Xylene                                                                              | 0.26   | 100     | 0.0027   | U         | 0.0026     | U         | 0.028      |           | 0.0023     | U         |            |           |
| p- & m- Xylenes                                                                       | 0.26   | 100     | 0.0054   | U         | 0.0051     | U         | 0.062      |           | 0.0047     | U         |            |           |
| p-Isopropyltoluene                                                                    | 10     | NA      | 0.0027   | U         | 0.0026     | U         | 0.0022     | U         | 0.0023     | U         |            |           |
| sec-Butylbenzene                                                                      | 11     | 100     | 0.0027   | U         | 0.0026     | U         | 0.0022     | U         | 0.0023     | U         |            |           |
| Styrene                                                                               | NA     | NA      | 0.0027   | U         | 0.0026     | U         | 0.0022     | U         | 0.0023     | U         |            |           |
| tert-Butyl alcohol (TBA)                                                              | NA     | NA      | 0.0027   | U         | 0.0026     | U         | 0.0022     | U         | 0.0023     | U         |            |           |
| tert-Butylbenzene                                                                     | 5.9    | 100     | 0.0027   | U         | 0.0026     | U         | 0.0022     | U         | 0.0023     | U         |            |           |
| Tetrachloroethylene (PCE)                                                             | 1.3    | 19      | 0.0027   | U         | 0.0026     | U         | 0.0076     |           | 0.0094     |           |            |           |
| Toluene                                                                               | 0.7    | 100     | 0.0027   | U         | 0.0026     | U         | 0.0096     |           | 0.0023     | U         |            |           |
| trans-1,2-Dichloroethylene (trans-DCE)                                                | 0.19   | 100     | 0.0027   | U         | 0.0026     | U         | 0.0022     | U         | 0.0023     | U         |            |           |
| trans-1,3-Dichloropropylene                                                           | NA     | NA      | 0.0027   | U         | 0.0026     | U         | 0.0022     | U         | 0.0023     | U         |            |           |
| Trichloroethylene (TCE)                                                               | 0.47   | 21      | 0.0027   | U         | 0.0026     | U         | 0.0022     | U         | 0.0023     | U         |            |           |
| Trichlorofluoromethane                                                                | NA     | NA      | 0.0027   | U         | 0.0026     | U         | 0.0022     | U         | 0.0023     | U         |            |           |
| Vinyl chloride (VC)                                                                   | 0.02   | 0.9     | 0.0027   | U         | 0.0026     | U         | 0.0022     | U         | 0.0023     | U         |            |           |
| Xylenes, Total                                                                        | 0.26   | 100     | 0.0081   | U         | 0.0077     | U         | 0.09       |           | 0.007      | U         |            |           |

Analyte Detected

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



**Table1: VOCs in Soils**  
**GBTs Project: 21003-0004**

|                                        |  |  | Sample   |            |
|----------------------------------------|--|--|----------|------------|
|                                        |  |  | Date     | 2023-01-10 |
|                                        |  |  | Dilution | 1          |
| VOCs, 8260                             |  |  | UU SCO   | RRU SCO    |
|                                        |  |  | Result   | Qualifier  |
| 1,1,1,2-Tetrachloroethane              |  |  | NA       | U          |
| 1,1,1-Trichloroethane                  |  |  | 0.68     | 100        |
| 1,1,2,2-Tetrachloroethane              |  |  | NA       | U          |
| 1,1,2-Trichloro-1,2,2-trifluoroethane  |  |  | NA       | U          |
| 1,1,2-Trichloroethane                  |  |  | NA       | U          |
| 1,1-Dichloroethane                     |  |  | 0.27     | 26         |
| 1,1-Dichloroethylene (1,1-DCE)         |  |  | 0.33     | 100        |
| 1,2,3-Trichlorobenzene                 |  |  | NA       | U          |
| 1,2,3-Trichloropropane                 |  |  | NA       | U          |
| 1,2,4-Trichlorobenzene                 |  |  | NA       | U          |
| 1,2,4-Trimethylbenzene                 |  |  | 3.6      | 52         |
| 1,2-Dibromo-3-chloropropane            |  |  | NA       | U          |
| 1,2-Dibromoethane                      |  |  | NA       | U          |
| 1,2-Dichlorobenzene                    |  |  | 1.1      | 100        |
| 1,2-Dichloroethane                     |  |  | 0.02     | 3.1        |
| 1,2-Dichloropropane                    |  |  | NA       | U          |
| 1,3,5-Trimethylbenzene                 |  |  | 8.4      | 52         |
| 1,3-Dichlorobenzene                    |  |  | 2.4      | 49         |
| 1,4-Dichlorobenzene                    |  |  | 1.8      | 13         |
| 1,4-Dioxane                            |  |  | 0.1      | 13         |
| 2-Butanone (MEK)                       |  |  | 0.12     | 100        |
| 2-Hexanone                             |  |  | NA       | U          |
| 4-Methyl-2-pentanone                   |  |  | NA       | U          |
| Acetone                                |  |  | 0.05     | 100        |
| Acrolein                               |  |  | NA       | U          |
| Acrylonitrile                          |  |  | NA       | U          |
| Benzene                                |  |  | 0.06     | 4.8        |
| Bromochloromethane                     |  |  | NA       | U          |
| Bromodichloromethane                   |  |  | NA       | U          |
| Bromoform                              |  |  | NA       | U          |
| Bromomethane                           |  |  | NA       | U          |
| Carbon disulfide                       |  |  | NA       | U          |
| Carbon tetrachloride                   |  |  | 0.76     | 2.4        |
| Chlorobenzene                          |  |  | 1.1      | 100        |
| Chloroethane                           |  |  | NA       | U          |
| Chloroform                             |  |  | 0.37     | 49         |
| Chloromethane                          |  |  | NA       | U          |
| cis-1,2-Dichloroethylene (cis-DCE)     |  |  | 0.25     | 100        |
| cis-1,3-Dichloropropylene              |  |  | NA       | U          |
| Cyclohexane                            |  |  | NA       | U          |
| Dibromochloromethane                   |  |  | NA       | U          |
| Dibromomethane                         |  |  | NA       | U          |
| Dichlorodifluoromethane                |  |  | NA       | U          |
| Ethyl Benzene                          |  |  | 1        | 41         |
| Hexachlorobutadiene                    |  |  | NA       | U          |
| Isopropylbenzene                       |  |  | 2.3      | 100        |
| Methyl acetate                         |  |  | NA       | U          |
| Methyl tert-butyl ether (MTBE)         |  |  | 0.93     | 100        |
| Methylcyclohexane                      |  |  | NA       | U          |
| Methylene chloride                     |  |  | 0.05     | 100        |
| n-Butylbenzene                         |  |  | 12       | 100        |
| n-Propylbenzene                        |  |  | 3.9      | 100        |
| o-Xylene                               |  |  | 0.26     | 100        |
| p- & m- Xylenes                        |  |  | 0.26     | 100        |
| p-Isopropyltoluene                     |  |  | 10       | NA         |
| sec-Butylbenzene                       |  |  | 11       | 100        |
| Styrene                                |  |  | NA       | U          |
| tert-Butyl alcohol (TBA)               |  |  | NA       | U          |
| tert-Butylbenzene                      |  |  | 5.9      | 100        |
| Tetrachloroethylene (PCE)              |  |  | 1.3      | 19         |
| Toluene                                |  |  | 0.7      | 100        |
| trans-1,2-Dichloroethylene (trans-DCE) |  |  | 0.19     | 100        |
| trans-1,3-Dichloropropylene            |  |  | NA       | U          |
| Trichloroethylene (TCE)                |  |  | 0.47     | 21         |
| Trichlorofluoromethane                 |  |  | NA       | U          |
| Vinyl chloride (VC)                    |  |  | 0.02     | 0.9        |
| Xylenes, Total                         |  |  | 0.26     | 100        |

Analyte Detected

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: SVOCs in Soils**  
**GBTS Project: 21003-0004**

| SVOCs, 8270                        |      | Sample |         | B-1W 0-2 |           | B-1W 2-4   |           | B-2W 0-2   |           | B-2W 2-4   |           | B-3 0-2    |           |
|------------------------------------|------|--------|---------|----------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|
|                                    |      | UU SCO | RRU SCO | Date     |           | 2023-01-05 |           | 2023-01-05 |           | 2023-01-06 |           | 2023-01-06 |           |
|                                    |      |        |         | Dilution |           | 5          |           | 2          |           | 2          |           | 2          |           |
|                                    |      |        |         | Result   | Qualifier | Result     | Qualifier | Result     | Qualifier | Result     | Qualifier | Result     | Qualifier |
| 1,1'-Biphenyl                      | NA   | NA     | NA      | 0.0488   | U         | 0.0445     | U         | 0.0446     | U         | 0.0442     | U         | 0.0457     | U         |
| 1,2,4,5-Tetrachlorobenzene         | NA   | NA     | NA      | 0.0973   | U         | 0.0889     | U         | 0.089      | U         | 0.0882     | U         | 0.0912     | U         |
| 1,2,4-Trichlorobenzene             | NA   | NA     | NA      | 0.0488   | U         | 0.0445     | U         | 0.0446     | U         | 0.0442     | U         | 0.0457     | U         |
| 1,2-Dichlorobenzene                | NA   | NA     | NA      | 0.0488   | U         | 0.0445     | U         | 0.0446     | U         | 0.0442     | U         | 0.0457     | U         |
| 1,2-Diphenylhydrazine (Azobenzene) | NA   | NA     | NA      | 0.0488   | U         | 0.0445     | U         | 0.0446     | U         | 0.0442     | U         | 0.0457     | U         |
| 1,3-Dichlorobenzene                | NA   | NA     | NA      | 0.0488   | U         | 0.0445     | U         | 0.0446     | U         | 0.0442     | U         | 0.0457     | U         |
| 1,4-Dichlorobenzene                | NA   | NA     | NA      | 0.0488   | U         | 0.0445     | U         | 0.0446     | U         | 0.0442     | U         | 0.0457     | U         |
| 2,3,4,6-Tetrachlorophenol          | NA   | NA     | NA      | 0.0973   | U         | 0.0889     | U         | 0.089      | U         | 0.0882     | U         | 0.0912     | U         |
| 2,4,5-Trichlorophenol              | NA   | NA     | NA      | 0.0488   | U         | 0.0445     | U         | 0.0446     | U         | 0.0442     | U         | 0.0457     | U         |
| 2,4,6-Trichlorophenol              | NA   | NA     | NA      | 0.0488   | U         | 0.0445     | U         | 0.0446     | U         | 0.0442     | U         | 0.0457     | U         |
| 2,4-Dichlorophenol                 | NA   | NA     | NA      | 0.0488   | U         | 0.0445     | U         | 0.0446     | U         | 0.0442     | U         | 0.0457     | U         |
| 2,4-Dimethylphenol                 | NA   | NA     | NA      | 0.0488   | U         | 0.0445     | U         | 0.0446     | U         | 0.0442     | U         | 0.0457     | U         |
| 2,4-Dinitrophenol                  | NA   | NA     | NA      | 0.0973   | U         | 0.0889     | U         | 0.089      | U         | 0.0882     | U         | 0.0912     | U         |
| 2,4-Dinitrotoluene                 | NA   | NA     | NA      | 0.0488   | U         | 0.0445     | U         | 0.0446     | U         | 0.0442     | U         | 0.0457     | U         |
| 2,6-Dinitrotoluene                 | NA   | NA     | NA      | 0.0488   | U         | 0.0445     | U         | 0.0446     | U         | 0.0442     | U         | 0.0457     | U         |
| 2-Chloronaphthalene                | NA   | NA     | NA      | 0.0488   | U         | 0.0445     | U         | 0.0446     | U         | 0.0442     | U         | 0.0457     | U         |
| 2-Chlorophenol                     | NA   | NA     | NA      | 0.0488   | U         | 0.0445     | U         | 0.0446     | U         | 0.0442     | U         | 0.0457     | U         |
| 2-Methylnaphthalene                | NA   | NA     | NA      | 0.0488   | U         | 0.0445     | U         | 0.0446     | U         | 0.0442     | U         | 0.0457     | U         |
| 2-Methylphenol                     | 0.33 | 100    | 100     | 0.0488   | U         | 0.0445     | U         | 0.0446     | U         | 0.0442     | U         | 0.0457     | U         |
| 2-Nitroaniline                     | NA   | NA     | NA      | 0.0973   | U         | 0.0889     | U         | 0.089      | U         | 0.0882     | U         | 0.0912     | U         |
| 2-Nitrophenol                      | NA   | NA     | NA      | 0.0488   | U         | 0.0445     | U         | 0.0446     | U         | 0.0442     | U         | 0.0457     | U         |
| 3- & 4-Methylphenols               | 0.33 | 100    | 100     | 0.0488   | U         | 0.0445     | U         | 0.0446     | U         | 0.0442     | U         | 0.0457     | U         |
| 3,3'-Dichlorobenzidine             | NA   | NA     | NA      | 0.0488   | U         | 0.0445     | U         | 0.0446     | U         | 0.0442     | U         | 0.0457     | U         |
| 3-Nitroaniline                     | NA   | NA     | NA      | 0.0973   | U         | 0.0889     | U         | 0.089      | U         | 0.0882     | U         | 0.0912     | U         |
| 4,6-Dinitro-2-methylphenol         | NA   | NA     | NA      | 0.0973   | U         | 0.0889     | U         | 0.089      | U         | 0.0882     | U         | 0.0912     | U         |
| 4-Bromophenyl phenyl ether         | NA   | NA     | NA      | 0.0488   | U         | 0.0445     | U         | 0.0446     | U         | 0.0442     | U         | 0.0457     | U         |
| 4-Chloro-3-methylphenol            | NA   | NA     | NA      | 0.0488   | U         | 0.0445     | U         | 0.0446     | U         | 0.0442     | U         | 0.0457     | U         |
| 4-Chloroaniline                    | NA   | NA     | NA      | 0.0488   | U         | 0.0445     | U         | 0.0446     | U         | 0.0442     | U         | 0.0457     | U         |
| 4-Chlorophenyl phenyl ether        | NA   | NA     | NA      | 0.0488   | U         | 0.0445     | U         | 0.0446     | U         | 0.0442     | U         | 0.0457     | U         |
| 4-Nitroaniline                     | NA   | NA     | NA      | 0.0973   | U         | 0.0889     | U         | 0.089      | U         | 0.0882     | U         | 0.0912     | U         |
| 4-Nitrophenol                      | NA   | NA     | NA      | 0.0973   | U         | 0.0889     | U         | 0.089      | U         | 0.0882     | U         | 0.0912     | U         |
| Acenaphthene                       | 20   | 100    | 100     | 0.0488   | U         | 0.0445     | U         | 0.0446     | U         | 0.0442     | U         | 0.0457     | U         |
| Acenaphthylene                     | 100  | 100    | 100     | 0.0746   | JD        | 0.0445     | U         | 0.0598     | JD        | 0.0442     | U         | 0.0457     | U         |
| Acetophenone                       | NA   | NA     | NA      | 0.0488   | U         | 0.0445     | U         | 0.0446     | U         | 0.0442     | U         | 0.0457     | U         |
| Aniline                            | NA   | NA     | NA      | 0.195    | U         | 0.178      | U         | 0.178      | U         | 0.177      | U         | 0.183      | U         |
| Anthracene                         | 100  | 100    | 100     | 0.0638   | JD        | 0.0445     | U         | 0.0491     | JD        | 0.0487     | JD        | 0.0481     | JD        |
| Atrazine                           | NA   | NA     | NA      | 0.0488   | U         | 0.0445     | U         | 0.0446     | U         | 0.0442     | U         | 0.0457     | U         |
| Benzaldehyde                       | NA   | NA     | NA      | 0.0488   | U         | 0.0445     | U         | 0.0446     | U         | 0.0442     | U         | 0.0457     | U         |
| Benzidine                          | NA   | NA     | NA      | 0.195    | U         | 0.178      | U         | 0.178      | U         | 0.177      | U         | 0.183      | U         |
| Benzo(a)anthracene                 | 1    | 1      | 1       | 0.211    | D         | 0.0445     | U         | 0.286      | D         | 0.296      | D         | 0.0889     | JD        |
| Benzo(a)pyrene                     | 1    | 1      | 1       | 0.246    | D         | 0.0445     | U         | 0.305      | D         | 0.281      | D         | 0.0772     | JD        |
| Benzo(b)fluoranthene               | 1    | 1      | 1       | 0.268    | D         | 0.0445     | U         | 0.276      | D         | 0.246      | D         | 0.078      | JD        |
| Benzo(g,h,i)perylene               | 100  | 100    | 100     | 0.278    | D         | 0.0445     | U         | 0.28       | D         | 0.205      | D         | 0.0692     | JD        |
| Benzo(k)fluoranthene               | 0.8  | 3.9    | 3.9     | 0.258    | D         | 0.0445     | U         | 0.302      | D         | 0.245      | D         | 0.067      | JD        |
| Benzoic acid                       | NA   | NA     | NA      | 0.0488   | U         | 0.0445     | U         | 0.0446     | U         | 0.0442     | U         | 0.0457     | U         |
| Benzyl alcohol                     | NA   | NA     | NA      | 0.0488   | U         | 0.0445     | U         | 0.0446     | U         | 0.0442     | U         | 0.0457     | U         |
| Benzyl butyl phthalate             | NA   | NA     | NA      | 6.24     | D         | 0.212      | D         | 0.112      | D         | 0.0442     | U         | 0.0457     | U         |
| Bis(2-chloroethoxy)methane         | NA   | NA     | NA      | 0.0488   | U         | 0.0445     | U         | 0.0446     | U         | 0.0442     | U         | 0.0457     | U         |
| Bis(2-chloroethyl)ether            | NA   | NA     | NA      | 0.0488   | U         | 0.0445     | U         | 0.0446     | U         | 0.0442     | U         | 0.0457     | U         |
| Bis(2-chloroisopropyl)ether        | NA   | NA     | NA      | 0.0488   | U         | 0.0445     | U         | 0.0446     | U         | 0.0442     | U         | 0.0457     | U         |
| Bis(2-ethylhexyl)phthalate         | NA   | NA     | NA      | 0.397    | D         | 0.0445     | U         | 0.0548     | JD        | 0.0442     | U         | 0.0457     | U         |
| Caprolactam                        | NA   | NA     | NA      | 0.0973   | U         | 0.0889     | U         | 0.089      | U         | 0.0882     | U         | 0.0912     | U         |
| Carbazole                          | NA   | NA     | NA      | 0.0488   | U         | 0.0445     | U         | 0.0446     | U         | 0.0442     | U         | 0.0457     | U         |
| Chrysene                           | 1    | 3.9    | 3.9     | 0.25     | D         | 0.0445     | U         | 0.302      | D         | 0.289      | D         | 0.0889     | JD        |
| Dibenzo(a,h)anthracene             | 0.33 | 0.33   | 0.33    | 0.0622   | JD        | 0.0445     | U         | 0.0783     | JD        | 0.0656     | JD        | 0.0457     | U         |
| Dibenzofuran                       | 7    | 59     | 59      | 0.0488   | U         | 0.0445     | U         | 0.0446     | U         | 0.0442     | U         | 0.0457     | U         |
| Diethyl phthalate                  | NA   | NA     | NA      | 0.0488   | U         | 0.0445     | U         | 0.0446     | U         | 0.0442     | U         | 0.0457     | U         |
| Dimethyl phthalate                 | NA   | NA     | NA      | 0.0488   | U         | 0.0445     | U         | 0.0446     | U         | 0.0442     | U         | 0.0457     | U         |
| Di-n-butyl phthalate               | NA   | NA     | NA      | 0.884    | D         | 0.0445     | U         | 0.0446     | U         | 0.0442     | U         | 0.0457     | U         |
| Di-n-octyl phthalate               | NA   | NA     | NA      | 0.0488   | U         | 0.0445     | U         | 0.0446     | U         | 0.0442     | U         | 0.0457     | U         |
| Fluoranthene                       | 100  | 100    | 100     | 0.446    | D         | 0.0445     | U         | 0.44       | D         | 0.494      | D         | 0.222      | D         |
| Fluorene                           | 30   | 100    | 100     | 0.0488   | U         | 0.0445     | U         | 0.0446     | U         | 0.0442     | U         | 0.0457     | U         |
| Hexachlorobenzene                  | 0.33 | 1.2    | 1.2     | 0.0488   | U         | 0.0445     | U         | 0.0446     | U         | 0.0442     | U         | 0.0457     | U         |
| Hexachlorobutadiene                | NA   | NA     | NA      | 0.0488   | U         | 0.0445     | U         | 0.0446     | U         | 0.0442     | U         | 0.0457     | U         |
| Hexachlorocyclopentadiene          | NA   | NA     | NA      | 0.0488   | U         | 0.0445     | U         | 0.0446     | U         | 0.0442     | U         | 0.0457     | U         |
| Hexachloroethane                   | NA   | NA     | NA      | 0.0488   | U         | 0.0445     | U         | 0.0446     | U         | 0.0442     | U         | 0.0457     | U         |
| Indeno(1,2,3-cd)pyrene             | 0.5  | 0.5    | 0.5     | 0.177    | D         | 0.0445     | U         | 0.258      | D         | 0.2        | D         | 0.0583     | JD        |
| Isophorone                         | NA   | NA     | NA      | 0.0488   | U         | 0.0445     | U         | 0.0446     | U         | 0.0442     | U         | 0.0457     | U         |
| Naphthalene                        | 12   | 100    | 100     | 0.0488   | U         | 0.0445     | U         | 0.0446     | U         | 0.0442     | U         | 0.0457     | U         |
| Nitrobenzene                       | NA   | NA     | NA      | 0.0488   | U         | 0.0445     | U         | 0.0446     | U         | 0.0442     | U         | 0.0457     | U         |
| N-Nitrosodimethylamine             | NA   | NA     | NA      | 0.0488   | U         | 0.0445     | U         | 0.0446     | U         | 0.0442     | U         | 0.0457     | U         |
| N-nitroso-di-n-propylamine         | NA   | NA     | NA      | 0.0488   | U         | 0.0445     | U         | 0.0446     | U         | 0.0442     | U         | 0.0457     | U         |
| N-Nitrosodiphenylamine             | NA   | NA     | NA      | 0.0488   | U         | 0.0445     | U         | 0.0446     | U         | 0.0442     | U         | 0.0457     | U         |
| Pentachlorophenol                  | 0.8  | 6.7    | 6.7     | 0.0488   | U         | 0.0445     | U         | 0.0446     | U         | 0.0442     | U         | 0.0457     | U         |
| Phenanthrene                       | 100  | 100    | 100     | 0.193    | D         | 0.0445     | U         | 0.125      | D         | 0.151      | D         | 0.196      | D         |
| Phenol                             | 0.33 | 100    | 100     | 0.0488   | U         | 0.0445     | U         | 0.0446     | U         | 0.0442     | U         | 0.0457     | U         |
| Pyrene                             | 100  | 100    | 100     | 0.317    | D         | 0.0445     | U         | 0.432      | D         | 0.497      | D         | 0.187      | D         |

Analyte Detected

Analyte Above UU SCO

Analyte Above RRU SCO

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: SVOCs in Soils**  
**GBTS Project: 21003-0004**

| Sample<br>Date<br>Dilution         |      |      | B-3 11-13  |         | B-4 0-2    |           | B-4 2-4    |           | B-5 0-2    |           | B-5 2-4    |           |
|------------------------------------|------|------|------------|---------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|
|                                    |      |      | 2023-01-09 |         | 2023-01-06 |           | 2023-01-06 |           | 2023-01-06 |           | 2023-01-06 |           |
|                                    |      |      | 2          |         | 10         |           | 10         |           | 2          |           | 2          |           |
| SVOCs, 8270                        |      |      | UU SCO     | RRU SCO | Result     | Qualifier | Result     | Qualifier | Result     | Qualifier | Result     | Qualifier |
| 1,1'-Biphenyl                      | NA   | NA   | 0.044      | U       | 0.0471     | U         | 0.0461     | U         | 0.0439     | U         | 0.0425     | U         |
| 1,2,4,5-Tetrachlorobenzene         | NA   | NA   | 0.0878     | U       | 0.0939     | U         | 0.092      | U         | 0.0876     | U         | 0.0848     | U         |
| 1,2,4-Trichlorobenzene             | NA   | NA   | 0.044      | U       | 0.0471     | U         | 0.0461     | U         | 0.0439     | U         | 0.0425     | U         |
| 1,2-Dichlorobenzene                | NA   | NA   | 0.044      | U       | 0.0471     | U         | 0.0461     | U         | 0.0439     | U         | 0.0425     | U         |
| 1,2-Diphenylhydrazine (Azobenzene) | NA   | NA   | 0.044      | U       | 0.0471     | U         | 0.0461     | U         | 0.0439     | U         | 0.0425     | U         |
| 1,3-Dichlorobenzene                | NA   | NA   | 0.044      | U       | 0.0471     | U         | 0.0461     | U         | 0.0439     | U         | 0.0425     | U         |
| 1,4-Dichlorobenzene                | NA   | NA   | 0.044      | U       | 0.0471     | U         | 0.0461     | U         | 0.0439     | U         | 0.0425     | U         |
| 2,3,4,6-Tetrachlorophenol          | NA   | NA   | 0.0878     | U       | 0.0939     | U         | 0.092      | U         | 0.0876     | U         | 0.0848     | U         |
| 2,4,5-Trichlorophenol              | NA   | NA   | 0.044      | U       | 0.0471     | U         | 0.0461     | U         | 0.0439     | U         | 0.0425     | U         |
| 2,4,6-Trichlorophenol              | NA   | NA   | 0.044      | U       | 0.0471     | U         | 0.0461     | U         | 0.0439     | U         | 0.0425     | U         |
| 2,4-Dichlorophenol                 | NA   | NA   | 0.044      | U       | 0.0471     | U         | 0.0461     | U         | 0.0439     | U         | 0.0425     | U         |
| 2,4-Dimethylphenol                 | NA   | NA   | 0.044      | U       | 0.0471     | U         | 0.0461     | U         | 0.0439     | U         | 0.0425     | U         |
| 2,4-Dinitrophenol                  | NA   | NA   | 0.0878     | U       | 0.0939     | U         | 0.092      | U         | 0.0876     | U         | 0.0848     | U         |
| 2,4-Dinitrotoluene                 | NA   | NA   | 0.044      | U       | 0.0471     | U         | 0.0461     | U         | 0.0439     | U         | 0.0425     | U         |
| 2,6-Dinitrotoluene                 | NA   | NA   | 0.044      | U       | 0.0471     | U         | 0.0461     | U         | 0.0439     | U         | 0.0425     | U         |
| 2-Chloronaphthalene                | NA   | NA   | 0.044      | U       | 0.0471     | U         | 0.0461     | U         | 0.0439     | U         | 0.0425     | U         |
| 2-Chlorophenol                     | NA   | NA   | 0.044      | U       | 0.0471     | U         | 0.0461     | U         | 0.0439     | U         | 0.0425     | U         |
| 2-Methylnaphthalene                | NA   | NA   | 0.044      | U       | 0.0555     | JD        | 0.0461     | U         | 0.0439     | U         | 0.0425     | U         |
| 2-Methylphenol                     | 0.33 | 100  | 0.044      | U       | 0.0471     | U         | 0.0461     | U         | 0.0439     | U         | 0.0425     | U         |
| 2-Nitroaniline                     | NA   | NA   | 0.0878     | U       | 0.0939     | U         | 0.092      | U         | 0.0876     | U         | 0.0848     | U         |
| 2-Nitrophenol                      | NA   | NA   | 0.044      | U       | 0.0471     | U         | 0.0461     | U         | 0.0439     | U         | 0.0425     | U         |
| 3- & 4-Methylphenols               | 0.33 | 100  | 0.044      | U       | 0.0471     | U         | 0.0461     | U         | 0.0439     | U         | 0.0425     | U         |
| 3,3'-Dichlorobenzidine             | NA   | NA   | 0.044      | U       | 0.0471     | U         | 0.0461     | U         | 0.0439     | U         | 0.0425     | U         |
| 3-Nitroaniline                     | NA   | NA   | 0.0878     | U       | 0.0939     | U         | 0.092      | U         | 0.0876     | U         | 0.0848     | U         |
| 4,6-Dinitro-2-methylphenol         | NA   | NA   | 0.0878     | U       | 0.0939     | U         | 0.092      | U         | 0.0876     | U         | 0.0848     | U         |
| 4-Bromophenyl phenyl ether         | NA   | NA   | 0.044      | U       | 0.0471     | U         | 0.0461     | U         | 0.0439     | U         | 0.0425     | U         |
| 4-Chloro-3-methylphenol            | NA   | NA   | 0.044      | U       | 0.0471     | U         | 0.0461     | U         | 0.0439     | U         | 0.0425     | U         |
| 4-Chloroaniline                    | NA   | NA   | 0.044      | U       | 0.0471     | U         | 0.0461     | U         | 0.0439     | U         | 0.0425     | U         |
| 4-Chlorophenyl phenyl ether        | NA   | NA   | 0.044      | U       | 0.0471     | U         | 0.0461     | U         | 0.0439     | U         | 0.0425     | U         |
| 4-Nitroaniline                     | NA   | NA   | 0.0878     | U       | 0.0939     | U         | 0.092      | U         | 0.0876     | U         | 0.0848     | U         |
| 4-Nitrophenol                      | NA   | NA   | 0.0878     | U       | 0.0939     | U         | 0.092      | U         | 0.0876     | U         | 0.0848     | U         |
| Acenaphthene                       | 20   | 100  | 0.044      | U       | 0.233      | D         | 0.218      | D         | 0.0439     | U         | 0.0425     | U         |
| Acenaphthylene                     | 100  | 100  | 0.044      | U       | 0.185      | D         | 0.112      | D         | 0.0439     | U         | 0.0425     | U         |
| Acetophenone                       | NA   | NA   | 0.044      | U       | 0.0471     | U         | 0.0461     | U         | 0.0439     | U         | 0.0425     | U         |
| Aniline                            | NA   | NA   | 0.176      | U       | 0.188      | U         | 0.184      | U         | 0.175      | U         | 0.17       | U         |
| Anthracene                         | 100  | 100  | 0.044      | U       | 1.1        | D         | 0.978      | D         | 0.0439     | U         | 0.0425     | U         |
| Atrazine                           | NA   | NA   | 0.044      | U       | 0.0471     | U         | 0.0461     | U         | 0.0439     | U         | 0.0425     | U         |
| Benzaldehyde                       | NA   | NA   | 0.044      | U       | 0.0471     | U         | 0.0461     | U         | 0.0439     | U         | 0.0425     | U         |
| Benidine                           | NA   | NA   | 0.176      | U       | 0.188      | U         | 0.184      | U         | 0.175      | U         | 0.17       | U         |
| Benzo(a)anthracene                 | 1    | 1    | 0.044      | U       | 2.58       | D         | 2.08       | D         | 0.0439     | U         | 0.0425     | U         |
| Benzo(a)pyrene                     | 1    | 1    | 0.044      | U       | 2.27       | D         | 1.77       | D         | 0.0439     | U         | 0.0425     | U         |
| Benzo(b)fluoranthene               | 1    | 1    | 0.044      | U       | 2.46       | D         | 1.89       | D         | 0.0439     | U         | 0.0425     | U         |
| Benzo(g,h,i)perylene               | 100  | 100  | 0.044      | U       | 1.71       | D         | 1.29       | D         | 0.0439     | U         | 0.0425     | U         |
| Benzo(k)fluoranthene               | 0.8  | 3.9  | 0.044      | U       | 1.76       | D         | 1.5        | D         | 0.0439     | U         | 0.0425     | U         |
| Benzoic acid                       | NA   | NA   | 0.044      | U       | 0.0471     | U         | 0.0461     | U         | 0.0439     | U         | 0.0425     | U         |
| Benzyl alcohol                     | NA   | NA   | 0.044      | U       | 0.0471     | U         | 0.0461     | U         | 0.0439     | U         | 0.0425     | U         |
| Benzyl butyl phthalate             | NA   | NA   | 0.044      | U       | 0.0471     | U         | 0.0461     | U         | 0.0439     | U         | 0.0425     | U         |
| Bis(2-chloroethoxy)methane         | NA   | NA   | 0.044      | U       | 0.0471     | U         | 0.0461     | U         | 0.0439     | U         | 0.0425     | U         |
| Bis(2-chloroethyl)ether            | NA   | NA   | 0.044      | U       | 0.0471     | U         | 0.0461     | U         | 0.0439     | U         | 0.0425     | U         |
| Bis(2-chloroisopropyl)ether        | NA   | NA   | 0.044      | U       | 0.0471     | U         | 0.0461     | U         | 0.0439     | U         | 0.0425     | U         |
| Bis(2-ethylhexyl)phthalate         | NA   | NA   | 0.044      | U       | 0.0471     | U         | 0.0461     | U         | 0.0439     | U         | 0.0425     | U         |
| Caprolactam                        | NA   | NA   | 0.0878     | U       | 0.0939     | U         | 0.092      | U         | 0.0876     | U         | 0.0848     | U         |
| Carbazole                          | NA   | NA   | 0.044      | U       | 0.676      | D         | 0.522      | D         | 0.0439     | U         | 0.0425     | U         |
| Chrysene                           | 1    | 3.9  | 0.044      | U       | 2.51       | D         | 2.01       | D         | 0.0439     | U         | 0.0425     | U         |
| Dibenzo(a,h)anthracene             | 0.33 | 0.33 | 0.044      | U       | 0.529      | D         | 0.39       | D         | 0.0439     | U         | 0.0425     | U         |
| Dibenzofuran                       | 7    | 59   | 0.044      | U       | 0.293      | D         | 0.257      | D         | 0.0439     | U         | 0.0425     | U         |
| Diethyl phthalate                  | NA   | NA   | 0.044      | U       | 0.0471     | U         | 0.0461     | U         | 0.0439     | U         | 0.0425     | U         |
| Dimethyl phthalate                 | NA   | NA   | 0.044      | U       | 0.0471     | U         | 0.0461     | U         | 0.0439     | U         | 0.0425     | U         |
| Di-n-butyl phthalate               | NA   | NA   | 0.044      | U       | 0.0471     | U         | 0.0461     | U         | 0.0439     | U         | 0.0425     | U         |
| Di-n-octyl phthalate               | NA   | NA   | 0.044      | U       | 0.0471     | U         | 0.0461     | U         | 0.0439     | U         | 0.0425     | U         |
| Fluoranthene                       | 100  | 100  | 0.044      | U       | 6.74       | D         | 6.55       | D         | 0.0439     | U         | 0.0425     | U         |
| Fluorene                           | 30   | 100  | 0.044      | U       | 0.378      | D         | 0.344      | D         | 0.0439     | U         | 0.0425     | U         |
| Hexachlorobenzene                  | 0.33 | 1.2  | 0.044      | U       | 0.0471     | U         | 0.0461     | U         | 0.0439     | U         | 0.0425     | U         |
| Hexachlorobutadiene                | NA   | NA   | 0.044      | U       | 0.0471     | U         | 0.0461     | U         | 0.0439     | U         | 0.0425     | U         |
| Hexachlorocyclopentadiene          | NA   | NA   | 0.044      | U       | 0.0471     | U         | 0.0461     | U         | 0.0439     | U         | 0.0425     | U         |
| Hexachloroethane                   | NA   | NA   | 0.044      | U       | 0.0471     | U         | 0.0461     | U         | 0.0439     | U         | 0.0425     | U         |
| Indeno(1,2,3-cd)pyrene             | 0.5  | 0.5  | 0.044      | U       | 1.7        | D         | 1.37       | D         | 0.0439     | U         | 0.0425     | U         |
| Isophorone                         | NA   | NA   | 0.044      | U       | 0.0471     | U         | 0.0461     | U         | 0.0439     | U         | 0.0425     | U         |
| Naphthalene                        | 12   | 100  | 0.0505     | JD      | 0.23       | D         | 0.132      | D         | 0.0439     | U         | 0.0425     | U         |
| Nitrobenzene                       | NA   | NA   | 0.044      | U       | 0.0471     | U         | 0.0461     | U         | 0.0439     | U         | 0.0425     | U         |
| N-Nitrosodimethylamine             | NA   | NA   | 0.044      | U       | 0.0471     | U         | 0.0461     | U         | 0.0439     | U         | 0.0425     | U         |
| N-nitroso-di-n-propylamine         | NA   | NA   | 0.044      | U       | 0.0471     | U         | 0.0461     | U         | 0.0439     | U         | 0.0425     | U         |
| N-Nitrosodiphenylamine             | NA   | NA   | 0.044      | U       | 0.0471     | U         | 0.0461     | U         | 0.0439     | U         | 0.0425     | U         |
| Pentachlorophenol                  | 0.8  | 6.7  | 0.044      | U       | 0.0471     | U         | 0.0461     | U         | 0.0439     | U         | 0.0425     | U         |
| Phenanthrene                       | 100  | 100  | 0.052      | JD      | 5.34       | D         | 4.8        | D         | 0.0439     | U         | 0.0425     | U         |
| Phenol                             | 0.33 | 100  | 0.044      | U       | 0.0471     | U         | 0.0461     | U         | 0.0439     | U         | 0.0425     | U         |
| Pvrene                             | 100  | 100  | 0.044      | U       | 4.71       | D         | 4.9        | D         | 0.0439     | U         | 0.0425     | U         |

Analyte Detected

Analyte Above UU SCO

Analyte Above RRU SCO

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: SVOCs in Soils**  
**GBTS Project: 21003-0004**

| Sample<br>Date<br>Dilution         |        |         | B-6 0-2    |           | B-6 2-4    |           | B-7 0-2    |           | B-7 11-13  |           | B-8W 0-2   |           |
|------------------------------------|--------|---------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|
|                                    |        |         | 2023-01-06 |           | 2023-01-06 |           | 2023-01-04 |           | 2023-01-04 |           | 2023-01-10 |           |
|                                    |        |         | 2          |           | 2          |           | 2          |           | 2          |           | 2          |           |
| SVOCs, 8270                        | UU SCO | RRU SCO | Result     | Qualifier | Result     | Qualifier | Result     | Qualifier | Result     | Qualifier | Result     | Qualifier |
| 1,1'-Biphenyl                      | NA     | NA      | 0.044      | U         | 0.0425     | U         | 0.0466     | U         | 0.0471     | U         | 0.0458     | U         |
| 1,2,4,5-Tetrachlorobenzene         | NA     | NA      | 0.0878     | U         | 0.0848     | U         | 0.093      | U         | 0.094      | U         | 0.0913     | U         |
| 1,2,4-Trichlorobenzene             | NA     | NA      | 0.044      | U         | 0.0425     | U         | 0.0466     | U         | 0.0471     | U         | 0.0458     | U         |
| 1,2-Dichlorobenzene                | NA     | NA      | 0.044      | U         | 0.0425     | U         | 0.0466     | U         | 0.0471     | U         | 0.0458     | U         |
| 1,2-Diphenylhydrazine (Azobenzene) | NA     | NA      | 0.044      | U         | 0.0425     | U         | 0.0466     | U         | 0.0471     | U         | 0.0458     | U         |
| 1,3-Dichlorobenzene                | NA     | NA      | 0.044      | U         | 0.0425     | U         | 0.0466     | U         | 0.0471     | U         | 0.0458     | U         |
| 1,4-Dichlorobenzene                | NA     | NA      | 0.044      | U         | 0.0425     | U         | 0.0466     | U         | 0.0471     | U         | 0.0458     | U         |
| 2,3,4,6-Tetrachlorophenol          | NA     | NA      | 0.0878     | U         | 0.0848     | U         | 0.093      | U         | 0.094      | U         | 0.0913     | U         |
| 2,4,5-Trichlorophenol              | NA     | NA      | 0.044      | U         | 0.0425     | U         | 0.0466     | U         | 0.0471     | U         | 0.0458     | U         |
| 2,4,6-Trichlorophenol              | NA     | NA      | 0.044      | U         | 0.0425     | U         | 0.0466     | U         | 0.0471     | U         | 0.0458     | U         |
| 2,4-Dichlorophenol                 | NA     | NA      | 0.044      | U         | 0.0425     | U         | 0.0466     | U         | 0.0471     | U         | 0.0458     | U         |
| 2,4-Dimethylphenol                 | NA     | NA      | 0.044      | U         | 0.0425     | U         | 0.0466     | U         | 0.0471     | U         | 0.0458     | U         |
| 2,4-Dinitrophenol                  | NA     | NA      | 0.0878     | U         | 0.0848     | U         | 0.093      | U         | 0.094      | U         | 0.0913     | U         |
| 2,4-Dinitrotoluene                 | NA     | NA      | 0.044      | U         | 0.0425     | U         | 0.0466     | U         | 0.0471     | U         | 0.0458     | U         |
| 2,6-Dinitrotoluene                 | NA     | NA      | 0.044      | U         | 0.0425     | U         | 0.0466     | U         | 0.0471     | U         | 0.0458     | U         |
| 2-Chloronaphthalene                | NA     | NA      | 0.044      | U         | 0.0425     | U         | 0.0466     | U         | 0.0471     | U         | 0.0458     | U         |
| 2-Chlorophenol                     | NA     | NA      | 0.044      | U         | 0.0425     | U         | 0.0466     | U         | 0.0471     | U         | 0.0458     | U         |
| 2-Methylnaphthalene                | NA     | NA      | 0.044      | U         | 0.0425     | U         | 0.0466     | U         | 0.0471     | U         | 0.0458     | U         |
| 2-Methylphenol                     | 0.33   | 100     | 0.044      | U         | 0.0425     | U         | 0.0466     | U         | 0.0471     | U         | 0.0458     | U         |
| 2-Nitroaniline                     | NA     | NA      | 0.0878     | U         | 0.0848     | U         | 0.093      | U         | 0.094      | U         | 0.0913     | U         |
| 2-Nitrophenol                      | NA     | NA      | 0.044      | U         | 0.0425     | U         | 0.0466     | U         | 0.0471     | U         | 0.0458     | U         |
| 3- & 4-Methylphenols               | 0.33   | 100     | 0.044      | U         | 0.0425     | U         | 0.0466     | U         | 0.0471     | U         | 0.0458     | U         |
| 3,3'-Dichlorobenzidine             | NA     | NA      | 0.044      | U         | 0.0425     | U         | 0.0466     | U         | 0.0471     | U         | 0.0458     | U         |
| 3-Nitroaniline                     | NA     | NA      | 0.0878     | U         | 0.0848     | U         | 0.093      | U         | 0.094      | U         | 0.0913     | U         |
| 4,6-Dinitro-2-methylphenol         | NA     | NA      | 0.0878     | U         | 0.0848     | U         | 0.093      | U         | 0.094      | U         | 0.0913     | U         |
| 4-Bromophenyl phenyl ether         | NA     | NA      | 0.044      | U         | 0.0425     | U         | 0.0466     | U         | 0.0471     | U         | 0.0458     | U         |
| 4-Chloro-3-methylphenol            | NA     | NA      | 0.044      | U         | 0.0425     | U         | 0.0466     | U         | 0.0471     | U         | 0.0458     | U         |
| 4-Chloroaniline                    | NA     | NA      | 0.044      | U         | 0.0425     | U         | 0.0466     | U         | 0.0471     | U         | 0.0458     | U         |
| 4-Chlorophenyl phenyl ether        | NA     | NA      | 0.044      | U         | 0.0425     | U         | 0.0466     | U         | 0.0471     | U         | 0.0458     | U         |
| 4-Nitroaniline                     | NA     | NA      | 0.0878     | U         | 0.0848     | U         | 0.093      | U         | 0.094      | U         | 0.0913     | U         |
| 4-Nitrophenol                      | NA     | NA      | 0.0878     | U         | 0.0848     | U         | 0.093      | U         | 0.094      | U         | 0.0913     | U         |
| Acenaphthene                       | 20     | 100     | 0.044      | U         | 0.0425     | U         | 0.0466     | U         | 0.0471     | U         | 0.0458     | U         |
| Acenaphthylene                     | 100    | 100     | 0.044      | U         | 0.0425     | U         | 0.0476     | JD        | 0.0471     | U         | 0.0458     | U         |
| Acetophenone                       | NA     | NA      | 0.044      | U         | 0.0425     | U         | 0.0466     | U         | 0.0471     | U         | 0.0458     | U         |
| Aniline                            | NA     | NA      | 0.176      | U         | 0.17       | U         | 0.186      | U         | 0.188      | U         | 0.183      | U         |
| Anthracene                         | 100    | 100     | 0.044      | U         | 0.0425     | U         | 0.165      | D         | 0.0471     | U         | 0.0458     | U         |
| Atrazine                           | NA     | NA      | 0.044      | U         | 0.0425     | U         | 0.0466     | U         | 0.0471     | U         | 0.0458     | U         |
| Benzaldehyde                       | NA     | NA      | 0.044      | U         | 0.0425     | U         | 0.0466     | U         | 0.0471     | U         | 0.0458     | U         |
| Benzidine                          | NA     | NA      | 0.176      | U         | 0.17       | U         | 0.186      | U         | 0.188      | U         | 0.183      | U         |
| Benzo(a)anthracene                 | 1      | 1       | 0.044      | U         | 0.0425     | U         | 0.691      | D         | 0.0471     | U         | 0.0458     | U         |
| Benzo(a)pyrene                     | 1      | 1       | 0.044      | U         | 0.0425     | U         | 0.818      | D         | 0.0471     | U         | 0.0458     | U         |
| Benzo(b)fluoranthene               | 1      | 1       | 0.044      | U         | 0.0425     | U         | 0.591      | D         | 0.0471     | U         | 0.0458     | U         |
| Benzo(g,h,i)perylene               | 100    | 100     | 0.044      | U         | 0.0425     | U         | 0.44       | D         | 0.0471     | U         | 0.0458     | U         |
| Benzo(k)fluoranthene               | 0.8    | 3.9     | 0.044      | U         | 0.0425     | U         | 0.574      | D         | 0.0471     | U         | 0.0458     | U         |
| Benzoic acid                       | NA     | NA      | 0.044      | U         | 0.0425     | U         | 0.0466     | U         | 0.0471     | U         | 0.0458     | U         |
| Benzyl alcohol                     | NA     | NA      | 0.044      | U         | 0.0425     | U         | 0.0466     | U         | 0.0471     | U         | 0.0458     | U         |
| Benzyl butyl phthalate             | NA     | NA      | 0.205      | D         | 0.0425     | U         | 0.0466     | U         | 0.0471     | U         | 0.0458     | U         |
| Bis(2-chloroethoxy)methane         | NA     | NA      | 0.044      | U         | 0.0425     | U         | 0.0466     | U         | 0.0471     | U         | 0.0458     | U         |
| Bis(2-chloroethyl)ether            | NA     | NA      | 0.044      | U         | 0.0425     | U         | 0.0466     | U         | 0.0471     | U         | 0.0458     | U         |
| Bis(2-chloroisopropyl)ether        | NA     | NA      | 0.044      | U         | 0.0425     | U         | 0.0466     | U         | 0.0471     | U         | 0.0458     | U         |
| Bis(2-ethylhexyl)phthalate         | NA     | NA      | 0.0575     | JD        | 0.0425     | U         | 0.0466     | U         | 0.0471     | U         | 0.0458     | U         |
| Caprolactam                        | NA     | NA      | 0.0878     | U         | 0.0848     | U         | 0.093      | U         | 0.094      | U         | 0.0913     | U         |
| Carbazole                          | NA     | NA      | 0.044      | U         | 0.0425     | U         | 0.0466     | U         | 0.0471     | U         | 0.0458     | U         |
| Chrysene                           | 1      | 3.9     | 0.044      | U         | 0.0425     | U         | 0.769      | D         | 0.0471     | U         | 0.0458     | U         |
| Dibenzo(a,h)anthracene             | 0.33   | 0.33    | 0.044      | U         | 0.0425     | U         | 0.143      | D         | 0.0471     | U         | 0.0458     | U         |
| Dibenzofuran                       | 7      | 59      | 0.044      | U         | 0.0425     | U         | 0.0466     | U         | 0.0471     | U         | 0.0458     | U         |
| Diethyl phthalate                  | NA     | NA      | 0.044      | U         | 0.0425     | U         | 0.0466     | U         | 0.0471     | U         | 0.0458     | U         |
| Dimethyl phthalate                 | NA     | NA      | 0.044      | U         | 0.0425     | U         | 0.0466     | U         | 0.0471     | U         | 0.0458     | U         |
| Di-n-butyl phthalate               | NA     | NA      | 0.044      | U         | 0.0425     | U         | 0.0466     | U         | 0.0471     | U         | 0.0458     | U         |
| Di-n-octyl phthalate               | NA     | NA      | 0.044      | U         | 0.0425     | U         | 0.0466     | U         | 0.0471     | U         | 0.0458     | U         |
| Fluoranthene                       | 100    | 100     | 0.044      | U         | 0.0425     | U         | 0.968      | D         | 0.0471     | U         | 0.0458     | U         |
| Fluorene                           | 30     | 100     | 0.044      | U         | 0.0425     | U         | 0.0466     | U         | 0.0471     | U         | 0.0458     | U         |
| Hexachlorobenzene                  | 0.33   | 1.2     | 0.044      | U         | 0.0425     | U         | 0.0466     | U         | 0.0471     | U         | 0.0458     | U         |
| Hexachlorobutadiene                | NA     | NA      | 0.044      | U         | 0.0425     | U         | 0.0466     | U         | 0.0471     | U         | 0.0458     | U         |
| Hexachlorocyclopentadiene          | NA     | NA      | 0.044      | U         | 0.0425     | U         | 0.0466     | U         | 0.0471     | U         | 0.0458     | U         |
| Hexachloroethane                   | NA     | NA      | 0.044      | U         | 0.0425     | U         | 0.0466     | U         | 0.0471     | U         | 0.0458     | U         |
| Indeno(1,2,3-cd)pyrene             | 0.5    | 0.5     | 0.044      | U         | 0.0425     | U         | 0.314      | D         | 0.0471     | U         | 0.0458     | U         |
| Isophorone                         | NA     | NA      | 0.044      | U         | 0.0425     | U         | 0.0466     | U         | 0.0471     | U         | 0.0458     | U         |
| Naphthalene                        | 12     | 100     | 0.044      | U         | 0.0425     | U         | 0.0466     | U         | 0.0471     | U         | 0.0458     | U         |
| Nitrobenzene                       | NA     | NA      | 0.044      | U         | 0.0425     | U         | 0.0466     | U         | 0.0471     | U         | 0.0458     | U         |
| N-Nitrosodimethylamine             | NA     | NA      | 0.044      | U         | 0.0425     | U         | 0.0466     | U         | 0.0471     | U         | 0.0458     | U         |
| N-nitroso-di-n-propylamine         | NA     | NA      | 0.044      | U         | 0.0425     | U         | 0.0466     | U         | 0.0471     | U         | 0.0458     | U         |
| N-Nitrosodiphenylamine             | NA     | NA      | 0.044      | U         | 0.0425     | U         | 0.0466     | U         | 0.0471     | U         | 0.0458     | U         |
| Pentachlorophenol                  | 0.8    | 6.7     | 0.044      | U         | 0.0425     | U         | 0.0466     | U         | 0.0471     | U         | 0.0458     | U         |
| Phenanthrene                       | 100    | 100     | 0.044      | U         | 0.0425     | U         | 0.593      | D         | 0.0471     | U         | 0.0458     | U         |
| Phenol                             | 0.33   | 100     | 0.044      | U         | 0.0425     | U         | 0.0466     | U         | 0.0471     | U         | 0.0458     | U         |
| Pvrene                             | 100    | 100     | 0.044      | U         | 0.0425     | U         | 1.12       | D         | 0.0471     | U         | 0.0458     | U         |

Analyte Detected

Analyte Above UU SCO

Analyte Above RRU SCO

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: SVOCs in Soils**  
**GBTS Project: 21003-0004**

| U= Not Detected ≥ value<br>All data in mg/Kg (ppm) | Sample |          | B-8W 2-4   |           | DUPLICATE  |           |
|----------------------------------------------------|--------|----------|------------|-----------|------------|-----------|
|                                                    | Date   | Dilution | 2023-01-10 |           | 2023-01-10 |           |
|                                                    |        |          | 2          | 2         | 2          | 2         |
| SVOCs, 8270                                        | UU SCO | RRU SCO  | Result     | Qualifier | Result     | Qualifier |
| 1,1'-Biphenyl                                      | NA     | NA       | 0.0462     | U         | 0.0427     | U         |
| 1,2,4,5-Tetrachlorobenzene                         | NA     | NA       | 0.0922     | U         | 0.0852     | U         |
| 1,2,4-Trichlorobenzene                             | NA     | NA       | 0.0462     | U         | 0.0427     | U         |
| 1,2-Dichlorobenzene                                | NA     | NA       | 0.0462     | U         | 0.0427     | U         |
| 1,2-Diphenylhydrazine (Azobenzene)                 | NA     | NA       | 0.0462     | U         | 0.0427     | U         |
| 1,3-Dichlorobenzene                                | NA     | NA       | 0.0462     | U         | 0.0427     | U         |
| 1,4-Dichlorobenzene                                | NA     | NA       | 0.0462     | U         | 0.0427     | U         |
| 2,3,4,6-Tetrachlorophenol                          | NA     | NA       | 0.0922     | U         | 0.0852     | U         |
| 2,4,5-Trichlorophenol                              | NA     | NA       | 0.0462     | U         | 0.0427     | U         |
| 2,4,6-Trichlorophenol                              | NA     | NA       | 0.0462     | U         | 0.0427     | U         |
| 2,4-Dichlorophenol                                 | NA     | NA       | 0.0462     | U         | 0.0427     | U         |
| 2,4-Dimethylphenol                                 | NA     | NA       | 0.0462     | U         | 0.0427     | U         |
| 2,4-Dinitrophenol                                  | NA     | NA       | 0.0922     | U         | 0.0852     | U         |
| 2,4-Dinitrotoluene                                 | NA     | NA       | 0.0462     | U         | 0.0427     | U         |
| 2,6-Dinitrotoluene                                 | NA     | NA       | 0.0462     | U         | 0.0427     | U         |
| 2-Chloronaphthalene                                | NA     | NA       | 0.0462     | U         | 0.0427     | U         |
| 2-Chlorophenol                                     | NA     | NA       | 0.0462     | U         | 0.0427     | U         |
| 2-Methylnaphthalene                                | NA     | NA       | 0.0462     | U         | 0.0427     | U         |
| 2-Methylphenol                                     | 0.33   | 100      | 0.0462     | U         | 0.0427     | U         |
| 2-Nitroaniline                                     | NA     | NA       | 0.0922     | U         | 0.0852     | U         |
| 2-Nitrophenol                                      | NA     | NA       | 0.0462     | U         | 0.0427     | U         |
| 3- & 4-Methylphenols                               | 0.33   | 100      | 0.0462     | U         | 0.0427     | U         |
| 3,3'-Dichlorobenzidine                             | NA     | NA       | 0.0462     | U         | 0.0427     | U         |
| 3-Nitroaniline                                     | NA     | NA       | 0.0922     | U         | 0.0852     | U         |
| 4,6-Dinitro-2-methylphenol                         | NA     | NA       | 0.0922     | U         | 0.0852     | U         |
| 4-Bromophenyl phenyl ether                         | NA     | NA       | 0.0462     | U         | 0.0427     | U         |
| 4-Chloro-3-methylphenol                            | NA     | NA       | 0.0462     | U         | 0.0427     | U         |
| 4-Chloroaniline                                    | NA     | NA       | 0.0462     | U         | 0.0427     | U         |
| 4-Chlorophenyl phenyl ether                        | NA     | NA       | 0.0462     | U         | 0.0427     | U         |
| 4-Nitroaniline                                     | NA     | NA       | 0.0922     | U         | 0.0852     | U         |
| 4-Nitrophenol                                      | NA     | NA       | 0.0922     | U         | 0.0852     | U         |
| Acenaphthene                                       | 20     | 100      | 0.0462     | U         | 0.0427     | U         |
| Acenaphthylene                                     | 100    | 100      | 0.0462     | U         | 0.0427     | U         |
| Acetophenone                                       | NA     | NA       | 0.0462     | U         | 0.0427     | U         |
| Aniline                                            | NA     | NA       | 0.185      | U         | 0.171      | U         |
| Anthracene                                         | 100    | 100      | 0.0462     | U         | 0.0427     | U         |
| Atrazine                                           | NA     | NA       | 0.0462     | U         | 0.0427     | U         |
| Benzaldehyde                                       | NA     | NA       | 0.0462     | U         | 0.0427     | U         |
| Benzidine                                          | NA     | NA       | 0.185      | U         | 0.171      | U         |
| Benzo(a)anthracene                                 | 1      | 1        | 0.0462     | U         | 0.0427     | U         |
| Benzo(a)pyrene                                     | 1      | 1        | 0.0462     | U         | 0.0427     | U         |
| Benzo(b)fluoranthene                               | 1      | 1        | 0.0462     | U         | 0.0427     | U         |
| Benzo(g,h,i)perylene                               | 100    | 100      | 0.0462     | U         | 0.0427     | U         |
| Benzo(k)fluoranthene                               | 0.8    | 3.9      | 0.0462     | U         | 0.0427     | U         |
| Benzoic acid                                       | NA     | NA       | 0.0462     | U         | 0.0427     | U         |
| Benzyl alcohol                                     | NA     | NA       | 0.0462     | U         | 0.0427     | U         |
| Benzyl butyl phthalate                             | NA     | NA       | 0.0462     | U         | 0.0427     | U         |
| Bis(2-chloroethoxy)methane                         | NA     | NA       | 0.0462     | U         | 0.0427     | U         |
| Bis(2-chloroethyl)ether                            | NA     | NA       | 0.0462     | U         | 0.0427     | U         |
| Bis(2-chloroisopropyl)ether                        | NA     | NA       | 0.0462     | U         | 0.0427     | U         |
| Bis(2-ethylhexyl)phthalate                         | NA     | NA       | 0.0462     | U         | 0.0427     | U         |
| Caprolactam                                        | NA     | NA       | 0.0922     | U         | 0.0852     | U         |
| Carbazole                                          | NA     | NA       | 0.0462     | U         | 0.0427     | U         |
| Chrysene                                           | 1      | 3.9      | 0.0462     | U         | 0.0427     | U         |
| Dibenzo(a,h)anthracene                             | 0.33   | 0.33     | 0.0462     | U         | 0.0427     | U         |
| Dibenzofuran                                       | 7      | 59       | 0.0462     | U         | 0.0427     | U         |
| Diethyl phthalate                                  | NA     | NA       | 0.0462     | U         | 0.0427     | U         |
| Dimethyl phthalate                                 | NA     | NA       | 0.0462     | U         | 0.0427     | U         |
| Di-n-butyl phthalate                               | NA     | NA       | 0.0462     | U         | 0.0427     | U         |
| Di-n-octyl phthalate                               | NA     | NA       | 0.0462     | U         | 0.0427     | U         |
| Fluoranthene                                       | 100    | 100      | 0.0462     | U         | 0.0427     | U         |
| Fluorene                                           | 30     | 100      | 0.0462     | U         | 0.0427     | U         |
| Hexachlorobenzene                                  | 0.33   | 1.2      | 0.0462     | U         | 0.0427     | U         |
| Hexachlorobutadiene                                | NA     | NA       | 0.0462     | U         | 0.0427     | U         |
| Hexachlorocyclopentadiene                          | NA     | NA       | 0.0462     | U         | 0.0427     | U         |
| Hexachloroethane                                   | NA     | NA       | 0.0462     | U         | 0.0427     | U         |
| Indeno(1,2,3-cd)pyrene                             | 0.5    | 0.5      | 0.0462     | U         | 0.0427     | U         |
| Isophorone                                         | NA     | NA       | 0.0462     | U         | 0.0427     | U         |
| Naphthalene                                        | 12     | 100      | 0.0462     | U         | 0.0427     | U         |
| Nitrobenzene                                       | NA     | NA       | 0.0462     | U         | 0.0427     | U         |
| N-Nitrosodimethylamine                             | NA     | NA       | 0.0462     | U         | 0.0427     | U         |
| N-nitroso-di-n-propylamine                         | NA     | NA       | 0.0462     | U         | 0.0427     | U         |
| N-Nitrosodiphenylamine                             | NA     | NA       | 0.0462     | U         | 0.0427     | U         |
| Pentachlorophenol                                  | 0.8    | 6.7      | 0.0462     | U         | 0.0427     | U         |
| Phenanthrene                                       | 100    | 100      | 0.0462     | U         | 0.0427     | U         |
| Phenol                                             | 0.33   | 100      | 0.0462     | U         | 0.0427     | U         |
| Pyrene                                             | 100    | 100      | 0.0462     | U         | 0.0427     | U         |

Analyte Detected

Analyte Above UU SCO

Analyte Above RRU SCO

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: Pesticides and PCBs in Soils**  
GBTS Project: 21003-0004

| Sample<br>Date<br>Dilution |        |         | B-1W 0-2   |           | B-1W 2-4   |           | B-2W 0-2   |           | B-2W 2-4   |           | B-3 0-2    |           |
|----------------------------|--------|---------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|
|                            |        |         | 2023-01-05 |           | 2023-01-05 |           | 2023-01-06 |           | 2023-01-06 |           | 2023-01-06 |           |
|                            |        |         | 5          |           | 5          |           | 5          |           | 5          |           | 5          |           |
| Pesticides, 8081           | UU SCO | RRU SCO | Result     | Qualifier | Result     | Qualifier | Result     | Qualifier | Result     | Qualifier | Result     | Qualifier |
| 4,4'-DDD                   | 0.0033 | 13      | 0.00191    | U         | 0.00174    | U         | 0.00177    | U         | 0.00173    | U         | 0.00176    | U         |
| 4,4'-DDE                   | 0.0033 | 8.9     | 0.00191    | U         | 0.00174    | U         | 0.00177    | U         | 0.00173    | U         | 0.00176    | U         |
| 4,4'-DDT                   | 0.0033 | 7.9     | 0.00191    | U         | 0.00373    | D         | 0.00177    | U         | 0.00173    | U         | 0.00176    | U         |
| Aldrin                     | 0.005  | 0.097   | 0.00191    | U         | 0.00174    | U         | 0.00177    | U         | 0.00173    | U         | 0.00176    | U         |
| alpha-BHC                  | 0.02   | 0.48    | 0.00191    | U         | 0.00174    | U         | 0.00177    | U         | 0.00173    | U         | 0.00176    | U         |
| alpha-Chlordane            | 0.094  | 4.2     | 0.00191    | U         | 0.00174    | U         | 0.00177    | U         | 0.00173    | U         | 0.00176    | U         |
| beta-BHC                   | 0.036  | 0.36    | 0.00191    | U         | 0.00174    | U         | 0.00177    | U         | 0.00173    | U         | 0.00176    | U         |
| Chlordane (total)          | NA     | NA      | 0.0381     | U         | 0.0348     | U         | 0.0353     | U         | 0.0346     | U         | 0.0353     | U         |
| delta-BHC                  | 0.04   | 100     | 0.00191    | U         | 0.00174    | U         | 0.00177    | U         | 0.00173    | U         | 0.00176    | U         |
| Dieldrin                   | 0.005  | 0.2     | 0.00191    | U         | 0.00174    | U         | 0.00177    | U         | 0.00173    | U         | 0.00176    | U         |
| Endosulfan I               | 2.4    | 24      | 0.00191    | U         | 0.00174    | U         | 0.00177    | U         | 0.00173    | U         | 0.00176    | U         |
| Endosulfan II              | 2.4    | 24      | 0.00191    | U         | 0.00174    | U         | 0.00177    | U         | 0.00173    | U         | 0.00176    | U         |
| Endosulfan sulfate         | 2.4    | 24      | 0.00191    | U         | 0.00174    | U         | 0.00177    | U         | 0.00173    | U         | 0.00176    | U         |
| Endrin                     | 0.014  | 11      | 0.00191    | U         | 0.00174    | U         | 0.00177    | U         | 0.00173    | U         | 0.00176    | U         |
| Endrin aldehyde            | NA     | NA      | 0.00191    | U         | 0.00174    | U         | 0.00177    | U         | 0.00173    | U         | 0.00176    | U         |
| Endrin ketone              | NA     | NA      | 0.00191    | U         | 0.00174    | U         | 0.00177    | U         | 0.00173    | U         | 0.00176    | U         |
| gamma-BHC (Lindane)        | 0.1    | 1.3     | 0.00191    | U         | 0.00174    | U         | 0.00177    | U         | 0.00173    | U         | 0.00176    | U         |
| gamma-Chlordane            | NA     | NA      | 0.00191    | U         | 0.00174    | U         | 0.00177    | U         | 0.00173    | U         | 0.00176    | U         |
| Heptachlor                 | 0.042  | 2.1     | 0.00191    | U         | 0.00174    | U         | 0.00177    | U         | 0.00173    | U         | 0.00176    | U         |
| Heptachlor Epoxide         | NA     | NA      | 0.00191    | U         | 0.00174    | U         | 0.00177    | U         | 0.00173    | U         | 0.00176    | U         |
| Methoxychlor               | NA     | NA      | 0.00953    | U         | 0.0087     | U         | 0.00884    | U         | 0.00864    | U         | 0.00881    | U         |
| Toxaphene                  | NA     | NA      | 0.0964     | U         | 0.0881     | U         | 0.0894     | U         | 0.0875     | U         | 0.0892     | U         |

| Sample<br>Date<br>Dilution |        |         | B-1W 0-2   |           | B-1W 2-4   |           | B-2W 0-2   |           | B-2W 2-4   |           | B-3 0-2    |           |
|----------------------------|--------|---------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|
|                            |        |         | 2023-01-05 |           | 2023-01-05 |           | 2023-01-06 |           | 2023-01-06 |           | 2023-01-06 |           |
|                            |        |         | 1          |           | 1          |           | 1          |           | 1          |           | 1          |           |
| PCBs, 8082                 | UU SCO | RRU SCO | Result     | Qualifier | Result     | Qualifier | Result     | Qualifier | Result     | Qualifier | Result     | Qualifier |
| Aroclor 1016               | 0.1    | 1.00    | 0.0192     | U         | 0.0176     | U         | 0.0178     | U         | 0.0175     | U         | 0.0178     | U         |
| Aroclor 1221               | 0.1    | 1.00    | 0.0192     | U         | 0.0176     | U         | 0.0178     | U         | 0.0175     | U         | 0.0178     | U         |
| Aroclor 1232               | 0.1    | 1.00    | 0.0192     | U         | 0.0176     | U         | 0.0178     | U         | 0.0175     | U         | 0.0178     | U         |
| Aroclor 1242               | 0.1    | 1.00    | 0.0192     | U         | 0.0176     | U         | 0.0178     | U         | 0.0175     | U         | 0.0178     | U         |
| Aroclor 1248               | 0.1    | 1.00    | 0.0192     | U         | 0.0176     | U         | 0.0178     | U         | 0.0175     | U         | 0.0178     | U         |
| Aroclor 1254               | 0.1    | 1.00    | 0.0192     | U         | 0.0176     | U         | 0.0178     | U         | 0.0175     | U         | 0.0178     | U         |
| Aroclor 1260               | 0.1    | 1.00    | 0.402      |           | 0.0248     |           | 0.0178     | U         | 0.0175     | U         | 0.0178     | U         |
| Aroclor 1262               | 0.1    | 1.00    | 0.0192     | U         | 0.0176     | U         | 0.0178     | U         | 0.0175     | U         | 0.0178     | U         |
| Aroclor 1268               | 0.1    | 1.00    | 0.0192     | U         | 0.0176     | U         | 0.0178     | U         | 0.0175     | U         | 0.0178     | U         |
| Aroclor, Total             | 0.1    | 1.00    | 0.402      |           | 0.0248     |           | 0.0178     | U         | 0.0175     | U         | 0.0178     | U         |

Analyte Detected

Analyte Above UU SCO

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: Pesticides and PCBs in Soils**  
GBTS Project: 21003-0004

| Sample<br>Date<br>Dilution |        |         | B-3 11-13  |           | B-4 0-2    |           | B-4 2-4    |           | B-5 0-2    |           | B-5 2-4    |           |
|----------------------------|--------|---------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|
|                            |        |         | 2023-01-09 |           | 2023-01-06 |           | 2023-01-06 |           | 2023-01-06 |           | 2023-01-06 |           |
|                            |        |         | 5          |           | 5          |           | 5          |           | 5          |           | 5          |           |
| Pesticides, 8081           | UU SCO | RRU SCO | Result     | Qualifier | Result     | Qualifier | Result     | Qualifier | Result     | Qualifier | Result     | Qualifier |
| 4,4'-DDD                   | 0.0033 | 13      | 0.00174    | U         | 0.00183    | U         | 0.00181    | U         | 0.00173    | U         | 0.00168    | U         |
| 4,4'-DDE                   | 0.0033 | 8.9     | 0.00174    | U         | 0.00183    | U         | 0.00181    | U         | 0.00173    | U         | 0.00168    | U         |
| 4,4'-DDT                   | 0.0033 | 7.9     | 0.00174    | U         | 0.00183    | U         | 0.00181    | U         | 0.00173    | U         | 0.00168    | U         |
| Aldrin                     | 0.005  | 0.097   | 0.00174    | U         | 0.00183    | U         | 0.00181    | U         | 0.00173    | U         | 0.00168    | U         |
| alpha-BHC                  | 0.02   | 0.48    | 0.00174    | U         | 0.00183    | U         | 0.00181    | U         | 0.00173    | U         | 0.00168    | U         |
| alpha-Chlordane            | 0.094  | 4.2     | 0.00174    | U         | 0.00183    | U         | 0.00181    | U         | 0.00173    | U         | 0.00168    | U         |
| beta-BHC                   | 0.036  | 0.36    | 0.00174    | U         | 0.00183    | U         | 0.00181    | U         | 0.00173    | U         | 0.00168    | U         |
| Chlordane (total)          | NA     | NA      | 0.0348     | U         | 0.0367     | U         | 0.0363     | U         | 0.0347     | U         | 0.0336     | U         |
| delta-BHC                  | 0.04   | 100     | 0.00174    | U         | 0.00183    | U         | 0.00181    | U         | 0.00173    | U         | 0.00168    | U         |
| Dieldrin                   | 0.005  | 0.2     | 0.00174    | U         | 0.00183    | U         | 0.00181    | U         | 0.00173    | U         | 0.00168    | U         |
| Endosulfan I               | 2.4    | 24      | 0.00174    | U         | 0.00183    | U         | 0.00181    | U         | 0.00173    | U         | 0.00168    | U         |
| Endosulfan II              | 2.4    | 24      | 0.00174    | U         | 0.00183    | U         | 0.00181    | U         | 0.00173    | U         | 0.00168    | U         |
| Endosulfan sulfate         | 2.4    | 24      | 0.00174    | U         | 0.00183    | U         | 0.00181    | U         | 0.00173    | U         | 0.00168    | U         |
| Endrin                     | 0.014  | 11      | 0.00174    | U         | 0.00183    | U         | 0.00181    | U         | 0.00173    | U         | 0.00168    | U         |
| Endrin aldehyde            | NA     | NA      | 0.00174    | U         | 0.00183    | U         | 0.00181    | U         | 0.00173    | U         | 0.00168    | U         |
| Endrin ketone              | NA     | NA      | 0.00174    | U         | 0.00183    | U         | 0.00181    | U         | 0.00173    | U         | 0.00168    | U         |
| gamma-BHC (Lindane)        | 0.1    | 1.3     | 0.00174    | U         | 0.00183    | U         | 0.00181    | U         | 0.00173    | U         | 0.00168    | U         |
| gamma-Chlordane            | NA     | NA      | 0.00174    | U         | 0.00183    | U         | 0.00181    | U         | 0.00173    | U         | 0.00168    | U         |
| Heptachlor                 | 0.042  | 2.1     | 0.00174    | U         | 0.00183    | U         | 0.00181    | U         | 0.00173    | U         | 0.00168    | U         |
| Heptachlor Epoxide         | NA     | NA      | 0.00174    | U         | 0.00183    | U         | 0.00181    | U         | 0.00173    | U         | 0.00168    | U         |
| Methoxychlor               | NA     | NA      | 0.00869    | U         | 0.00917    | U         | 0.00907    | U         | 0.00866    | U         | 0.00839    | U         |
| Toxaphene                  | NA     | NA      | 0.0879     | U         | 0.0928     | U         | 0.0918     | U         | 0.0877     | U         | 0.0849     | U         |

| Sample<br>Date<br>Dilution |        |         | B-3 11-13  |           | B-4 0-2    |           | B-4 2-4    |           | B-5 0-2    |           | B-5 2-4    |           |
|----------------------------|--------|---------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|
|                            |        |         | 2023-01-09 |           | 2023-01-06 |           | 2023-01-06 |           | 2023-01-06 |           | 2023-01-06 |           |
|                            |        |         | 1          |           | 1          |           | 1          |           | 1          |           | 1          |           |
| PCBs, 8082                 | UU SCO | RRU SCO | Result     | Qualifier | Result     | Qualifier | Result     | Qualifier | Result     | Qualifier | Result     | Qualifier |
| Aroclor 1016               | 0.1    | 1.00    | 0.0175     | U         | 0.0185     | U         | 0.0183     | U         | 0.0175     | U         | 0.0169     | U         |
| Aroclor 1221               | 0.1    | 1.00    | 0.0175     | U         | 0.0185     | U         | 0.0183     | U         | 0.0175     | U         | 0.0169     | U         |
| Aroclor 1232               | 0.1    | 1.00    | 0.0175     | U         | 0.0185     | U         | 0.0183     | U         | 0.0175     | U         | 0.0169     | U         |
| Aroclor 1242               | 0.1    | 1.00    | 0.0175     | U         | 0.0185     | U         | 0.0183     | U         | 0.0175     | U         | 0.0169     | U         |
| Aroclor 1248               | 0.1    | 1.00    | 0.0175     | U         | 0.0185     | U         | 0.0183     | U         | 0.0175     | U         | 0.0169     | U         |
| Aroclor 1254               | 0.1    | 1.00    | 0.0175     | U         | 0.0185     | U         | 0.0183     | U         | 0.0175     | U         | 0.0169     | U         |
| Aroclor 1260               | 0.1    | 1.00    | 0.0175     | U         | 0.0185     | U         | 0.0183     | U         | 0.0175     | U         | 0.0169     | U         |
| Aroclor 1262               | 0.1    | 1.00    | NA         |           | 0.0185     | U         | 0.0183     | U         | 0.0175     | U         | 0.0169     | U         |
| Aroclor 1268               | 0.1    | 1.00    | NA         |           | 0.0185     | U         | 0.0183     | U         | 0.0175     | U         | 0.0169     | U         |
| Aroclor, Total             | 0.1    | 1.00    | 0.0175     | U         | 0.0185     | U         | 0.0183     | U         | 0.0175     | U         | 0.0169     | U         |

Analyte Detected

Analyte Above UU SCO

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: Pesticides and PCBs in Soils

GBTS Project: 21003-0004

| Sample<br>Date<br>Dilution |        |         | B-6 0-2    |           | B-6 2-4    |           | B-7 0-2    |           | B-7 11-13  |           | B-8W 0-2   |           |
|----------------------------|--------|---------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|
|                            |        |         | 2023-01-06 |           | 2023-01-06 |           | 2023-01-04 |           | 2023-01-04 |           | 2023-01-10 |           |
|                            |        |         | 5          |           | 5          |           | 5          |           | 5          |           | 1          |           |
| Pesticides, 8081           | UU SCO | RRU SCO | Result     | Qualifier | Result     | Qualifier | Result     | Qualifier | Result     | Qualifier | Result     | Qualifier |
| 4,4'-DDD                   | 0.0033 | 13      | 0.0017     | U         | 0.00166    | U         | 0.0018     | U         | 0.00181    | U         | 0.00177    | U         |
| 4,4'-DDE                   | 0.0033 | 8.9     | 0.0017     | U         | 0.00166    | U         | 0.0018     | U         | 0.00181    | U         | 0.00177    | U         |
| 4,4'-DDT                   | 0.0033 | 7.9     | 0.0017     | U         | 0.00166    | U         | 0.0018     | U         | 0.00181    | U         | 0.00177    | U         |
| Aldrin                     | 0.005  | 0.097   | 0.0017     | U         | 0.00166    | U         | 0.0018     | U         | 0.00181    | U         | 0.00177    | U         |
| alpha-BHC                  | 0.02   | 0.48    | 0.0017     | U         | 0.00166    | U         | 0.0018     | U         | 0.00181    | U         | 0.00177    | U         |
| alpha-Chlordane            | 0.094  | 4.2     | 0.0017     | U         | 0.00166    | U         | 0.0018     | U         | 0.00181    | U         | 0.00177    | U         |
| beta-BHC                   | 0.036  | 0.36    | 0.0017     | U         | 0.00166    | U         | 0.0018     | U         | 0.00181    | U         | 0.00177    | U         |
| Chlordane (total)          | NA     | NA      | 0.0341     | U         | 0.0331     | U         | 0.0361     | U         | 0.0362     | U         | 0.0354     | U         |
| delta-BHC                  | 0.04   | 100     | 0.0017     | U         | 0.00166    | U         | 0.0018     | U         | 0.00181    | U         | 0.00177    | U         |
| Dieldrin                   | 0.005  | 0.2     | 0.0017     | U         | 0.00166    | U         | 0.0018     | U         | 0.00181    | U         | 0.00177    | U         |
| Endosulfan I               | 2.4    | 24      | 0.0017     | U         | 0.00166    | U         | 0.0018     | U         | 0.00181    | U         | 0.00177    | U         |
| Endosulfan II              | 2.4    | 24      | 0.0017     | U         | 0.00166    | U         | 0.0018     | U         | 0.00181    | U         | 0.00177    | U         |
| Endosulfan sulfate         | 2.4    | 24      | 0.0017     | U         | 0.00166    | U         | 0.0018     | U         | 0.00181    | U         | 0.00177    | U         |
| Endrin                     | 0.014  | 11      | 0.0017     | U         | 0.00166    | U         | 0.0018     | U         | 0.00181    | U         | 0.00177    | U         |
| Endrin aldehyde            | NA     | NA      | 0.0017     | U         | 0.00166    | U         | 0.0018     | U         | 0.00181    | U         | 0.00177    | U         |
| Endrin ketone              | NA     | NA      | 0.0017     | U         | 0.00166    | U         | 0.0018     | U         | 0.00181    | U         | 0.00177    | U         |
| gamma-BHC (Lindane)        | 0.1    | 1.3     | 0.0017     | U         | 0.00166    | U         | 0.0018     | U         | 0.00181    | U         | 0.00177    | U         |
| gamma-Chlordane            | NA     | NA      | 0.0017     | U         | 0.00166    | U         | 0.0018     | U         | 0.00181    | U         | 0.00177    | U         |
| Heptachlor                 | 0.042  | 2.1     | 0.0017     | U         | 0.00166    | U         | 0.0018     | U         | 0.00181    | U         | 0.00177    | U         |
| Heptachlor Epoxide         | NA     | NA      | 0.0017     | U         | 0.00166    | U         | 0.0018     | U         | 0.00181    | U         | 0.00177    | U         |
| Methoxychlor               | NA     | NA      | 0.00852    | U         | 0.00828    | U         | 0.00902    | U         | 0.00906    | U         | 0.00886    | U         |
| Toxaphene                  | NA     | NA      | 0.0862     | U         | 0.0838     | U         | 0.0913     | U         | 0.0917     | U         | 0.0897     | U         |

| Sample<br>Date<br>Dilution |        |         | B-6 0-2    |           | B-6 2-4    |           | B-7 0-2    |           | B-7 11-13  |           | B-8W 0-2   |           |
|----------------------------|--------|---------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|
|                            |        |         | 2023-01-06 |           | 2023-01-06 |           | 2023-01-04 |           | 2023-01-04 |           | 2023-01-10 |           |
|                            |        |         | 1          |           | 1          |           | 1          |           | 1          |           | 1          |           |
| PCBs, 8082                 | UU SCO | RRU SCO | Result     | Qualifier | Result     | Qualifier | Result     | Qualifier | Result     | Qualifier | Result     | Qualifier |
| Aroclor 1016               | 0.1    | 1.00    | 0.0172     | U         | 0.0167     | U         | 0.0182     | U         | 0.0183     | U         | 0.0179     | U         |
| Aroclor 1221               | 0.1    | 1.00    | 0.0172     | U         | 0.0167     | U         | 0.0182     | U         | 0.0183     | U         | 0.0179     | U         |
| Aroclor 1232               | 0.1    | 1.00    | 0.0172     | U         | 0.0167     | U         | 0.0182     | U         | 0.0183     | U         | 0.0179     | U         |
| Aroclor 1242               | 0.1    | 1.00    | 0.0172     | U         | 0.0167     | U         | 0.0182     | U         | 0.0183     | U         | 0.0179     | U         |
| Aroclor 1248               | 0.1    | 1.00    | 0.0172     | U         | 0.0167     | U         | 0.0182     | U         | 0.0183     | U         | 0.0179     | U         |
| Aroclor 1254               | 0.1    | 1.00    | 0.0172     | U         | 0.0167     | U         | 0.0182     | U         | 0.0183     | U         | 0.0179     | U         |
| Aroclor 1260               | 0.1    | 1.00    | 0.0172     | U         | 0.0167     | U         | 0.0182     | U         | 0.0183     | U         | 0.0179     | U         |
| Aroclor 1262               | 0.1    | 1.00    | 0.0172     | U         | 0.0167     | U         | 0.0182     | U         | 0.0183     | U         | NA         |           |
| Aroclor 1268               | 0.1    | 1.00    | 0.0172     | U         | 0.0167     | U         | 0.0182     | U         | 0.0183     | U         | NA         |           |
| Aroclor, Total             | 0.1    | 1.00    | 0.0172     | U         | 0.0167     | U         | 0.0182     | U         | 0.0183     | U         | 0.0179     | U         |

Analyte Detected

Analyte Above UU SCO

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: Pesticides and PCBs in Soils**

GBTS Project: 21003-0004

| Sample<br>Date<br>Dilution |        |         | B-8W 2-4   |           | DUPLICATE  |           |
|----------------------------|--------|---------|------------|-----------|------------|-----------|
|                            |        |         | 2023-01-10 |           | 2023-01-10 |           |
|                            |        |         | 1          |           | 5          |           |
| Pesticides, 8081           | UU SCO | RRU SCO | Result     | Qualifier | Result     | Qualifier |
| 4,4'-DDD                   | 0.0033 | 13      | 0.00178    | U         | 0.00167    | U         |
| 4,4'-DDE                   | 0.0033 | 8.9     | 0.00178    | U         | 0.00167    | U         |
| 4,4'-DDT                   | 0.0033 | 7.9     | 0.00178    | U         | 0.00167    | U         |
| Aldrin                     | 0.005  | 0.097   | 0.00178    | U         | 0.00167    | U         |
| alpha-BHC                  | 0.02   | 0.48    | 0.00178    | U         | 0.00167    | U         |
| alpha-Chlordane            | 0.094  | 4.2     | 0.00178    | U         | 0.00167    | U         |
| beta-BHC                   | 0.036  | 0.36    | 0.00178    | U         | 0.00167    | U         |
| Chlordane (total)          | NA     | NA      | 0.0357     | U         | 0.0335     | U         |
| delta-BHC                  | 0.04   | 100     | 0.00178    | U         | 0.00167    | U         |
| Dieldrin                   | 0.005  | 0.2     | 0.00178    | U         | 0.00167    | U         |
| Endosulfan I               | 2.4    | 24      | 0.00178    | U         | 0.00167    | U         |
| Endosulfan II              | 2.4    | 24      | 0.00178    | U         | 0.00167    | U         |
| Endosulfan sulfate         | 2.4    | 24      | 0.00178    | U         | 0.00167    | U         |
| Endrin                     | 0.014  | 11      | 0.00178    | U         | 0.00167    | U         |
| Endrin aldehyde            | NA     | NA      | 0.00178    | U         | 0.00167    | U         |
| Endrin ketone              | NA     | NA      | 0.00178    | U         | 0.00167    | U         |
| gamma-BHC (Lindane)        | 0.1    | 1.3     | 0.00178    | U         | 0.00167    | U         |
| gamma-Chlordane            | NA     | NA      | 0.00178    | U         | 0.00167    | U         |
| Heptachlor                 | 0.042  | 2.1     | 0.00178    | U         | 0.00167    | U         |
| Heptachlor Epoxide         | NA     | NA      | 0.00178    | U         | 0.00167    | U         |
| Methoxychlor               | NA     | NA      | 0.00891    | U         | 0.00837    | U         |
| Toxaphene                  | NA     | NA      | 0.0902     | U         | 0.0847     | U         |

| Sample<br>Date<br>Dilution |        |         | B-8W 2-4   |           | DUPLICATE  |           |
|----------------------------|--------|---------|------------|-----------|------------|-----------|
|                            |        |         | 2023-01-10 |           | 2023-01-10 |           |
|                            |        |         | 1          |           | 1          |           |
| PCBs, 8082                 | UU SCO | RRU SCO | Result     | Qualifier | Result     | Qualifier |
| Aroclor 1016               | 0.1    | 1.00    | 0.018      | U         | 0.0169     | U         |
| Aroclor 1221               | 0.1    | 1.00    | 0.018      | U         | 0.0169     | U         |
| Aroclor 1232               | 0.1    | 1.00    | 0.018      | U         | 0.0169     | U         |
| Aroclor 1242               | 0.1    | 1.00    | 0.018      | U         | 0.0169     | U         |
| Aroclor 1248               | 0.1    | 1.00    | 0.018      | U         | 0.0169     | U         |
| Aroclor 1254               | 0.1    | 1.00    | 0.018      | U         | 0.0169     | U         |
| Aroclor 1260               | 0.1    | 1.00    | 0.018      | U         | 0.0169     | U         |
| Aroclor 1262               | 0.1    | 1.00    | NA         |           | NA         |           |
| Aroclor 1268               | 0.1    | 1.00    | NA         |           | NA         |           |
| Aroclor, Total             | 0.1    | 1.00    | 0.018      | U         | 0.0169     | U         |

Analyte Detected

Analyte Above UU SCO

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 4: TAL Metals in Soils

GBTS Project: 21003-0004

| Sample<br>Date<br>Dilution |        |         | B-1W 0-2   |           | B-1W 2-4   |           | B-2W 0-2   |           | B-2W 2-4   |           | B-3 0-2    |           |
|----------------------------|--------|---------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|
|                            |        |         | 2023-01-05 |           | 2023-01-05 |           | 2023-01-06 |           | 2023-01-06 |           | 2023-01-06 |           |
|                            |        |         | 1          |           | 1          |           | 1          |           | 1          |           | 1          |           |
|                            |        |         | 1          |           | 1          |           | 1          |           | 1          |           | 1          |           |
| Metals, 6010 and 7473      | UU SCO | RRU SCO | Result     | Qualifier | Result     | Qualifier | Result     | Qualifier | Result     | Qualifier | Result     | Qualifier |
| Aluminum                   | NA     | NA      | 7,100      |           | 1,830      |           | 6,360      |           | 6,440      |           | 6,180      |           |
| Antimony                   | NA     | NA      | 3.6        |           | 2.23       | U         | 2.24       | U         | 2.91       |           | 2.29       | U         |
| Arsenic                    | 13     | 16      | 4.18       |           | 1.34       | U         | 3.3        |           | 8.33       |           | 2.89       |           |
| Barium                     | 350    | 400     | 135        |           | 6.37       |           | 102        |           | 124        |           | 28.4       |           |
| Beryllium                  | 7.2    | 72      | 0.292      |           | 0.147      |           | 0.298      |           | 0.274      |           | 0.336      |           |
| Cadmium                    | 2.5    | 4.3     | 2.41       |           | 0.267      | U         | 0.819      |           | 0.266      | U         | 0.275      | U         |
| Calcium                    | NA     | NA      | 10,800     |           | 167        |           | 12,400     |           | 2,510      |           | 36,200     |           |
| Chromium                   | 30     | 180     | 50.5       |           | 4.64       |           | 10.5       |           | 12         |           | 10.5       |           |
| Cobalt                     | NA     | NA      | 3.55       |           | 1.57       |           | 2.47       |           | 2.21       |           | 2.2        |           |
| Copper                     | 50     | 270     | 66.9       |           | 4.83       |           | 34.7       |           | 20         |           | 26.2       |           |
| Iron                       | NA     | NA      | 20,000     |           | 5,900      |           | 11,100     |           | 15,900     |           | 7,490      |           |
| Lead                       | 63     | 400     | 785        |           | 24.4       |           | 465        |           | 395        |           | 152        |           |
| Magnesium                  | NA     | NA      | 4,990      |           | 183        |           | 1,440      |           | 644        |           | 15,500     |           |
| Manganese                  | 1,600  | 2,000   | 104        |           | 43.8       |           | 92         |           | 64.3       |           | 107        |           |
| Mercury                    | 0.18   | 0.81    | 0.34       |           | 0.055      |           | 0.549      |           | 0.843      |           | 0.064      |           |
| Nickel                     | 30     | 310     | 28.7       |           | 3.25       |           | 7.98       |           | 6.83       |           | 7.39       |           |
| Potassium                  | NA     | NA      | 347        | B         | 106        | B         | 370        | B         | 469        | B         | 274        | B         |
| Selenium                   | 3.9    | 180     | 2.44       | U         | 2.23       | U         | 2.24       | U         | 2.22       | U         | 13.5       |           |
| Silver                     | 2      | 180     | 0.492      | U         | 0.449      | U         | 0.451      | U         | 0.447      | U         | 0.462      | U         |
| Sodium                     | NA     | NA      | 68.2       |           | 44.6       | U         | 115        |           | 55.4       |           | 60.5       |           |
| Thallium                   | NA     | NA      | 2.44       | U         | 2.23       | U         | 2.24       | U         | 2.22       | U         | 2.29       | U         |
| Vanadium                   | NA     | NA      | 20.5       |           | 4.96       |           | 12.2       |           | 14.1       |           | 12         |           |
| Zinc                       | 109    | 10,000  | 2,990      |           | 37         |           | 224        |           | 178        |           | 69.1       |           |

Analyte Detected

Analyte Above UU SCO

Analyte Above RRU SCO

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 4: TAL Metals in Soils**

GBTS Project: 21003-0004

| Sample<br>Date<br>Dilution<br><i>U= Not Detected ≥ value</i><br><i>All data in mg/Kg (ppm)</i> |        |         | B-3 11-13  |           | B-4 0-2    |           | B-4 2-4    |           | B-5 0-2    |           | B-5 2-4    |           |
|------------------------------------------------------------------------------------------------|--------|---------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|
|                                                                                                |        |         | 2023-01-09 |           | 2023-01-06 |           | 2023-01-06 |           | 2023-01-06 |           | 2023-01-06 |           |
|                                                                                                |        |         | 1          |           | 1          |           | 1          |           | 1          |           | 1          |           |
|                                                                                                |        |         |            |           |            |           |            |           |            |           |            |           |
| Metals, 6010 and 7473                                                                          | UU SCO | RRU SCO | Result     | Qualifier | Result     | Qualifier | Result     | Qualifier | Result     | Qualifier | Result     | Qualifier |
| Aluminum                                                                                       | NA     | NA      | 887        |           | 14,500     |           | 3,160      |           | 6,340      |           | 2,010      |           |
| Antimony                                                                                       | NA     | NA      | 7.26       |           | 2.71       |           | 2.31       | U         | 2.22       | U         | 2.13       | U         |
| Arsenic                                                                                        | 13     | 16      | 6.62       |           | 5          |           | 1.48       |           | 1.69       |           | 1.28       | U         |
| Barium                                                                                         | 350    | 400     | 4.27       |           | 77.9       |           | 14.7       |           | 127        |           | 6.37       |           |
| Beryllium                                                                                      | 7.2    | 72      | 0.044      | U         | 0.446      |           | 0.211      |           | 0.343      |           | 0.149      |           |
| Cadmium                                                                                        | 2.5    | 4.3     | 0.979      |           | 0.283      | U         | 0.278      | U         | 0.266      | U         | 0.256      | U         |
| Calcium                                                                                        | NA     | NA      | 280        |           | 3,700      |           | 2,450      |           | 35,700     |           | 460        |           |
| Chromium                                                                                       | 30     | 180     | 10.2       |           | 15.7       |           | 8.46       |           | 10.3       |           | 3.6        |           |
| Cobalt                                                                                         | NA     | NA      | 1.98       |           | 2.77       |           | 1.9        |           | 2.24       |           | 1.13       |           |
| Copper                                                                                         | 50     | 270     | 21.3       |           | 9.6        |           | 3.67       |           | 10.9       |           | 2.07       |           |
| Iron                                                                                           | NA     | NA      | 30,400     |           | 15,000     |           | 4,580      |           | 9,620      |           | 3,570      |           |
| Lead                                                                                           | 63     | 400     | 168        |           | 156        |           | 36         |           | 251        |           | 6.63       |           |
| Magnesium                                                                                      | NA     | NA      | 190        |           | 1,170      |           | 826        |           | 1,590      |           | 228        |           |
| Manganese                                                                                      | 1,600  | 2,000   | 76.1       |           | 87.7       |           | 30         |           | 106        |           | 29.2       |           |
| Mercury                                                                                        | 0.18   | 0.81    | 0.0317     | U         | 0.253      |           | 0.0617     |           | 0.239      |           | 0.0307     | U         |
| Nickel                                                                                         | 30     | 310     | 4.36       |           | 9.3        |           | 4.06       |           | 5.33       |           | 2.32       |           |
| Potassium                                                                                      | NA     | NA      | 70.6       |           | 405        | B         | 285        | B         | 491        | B         | 202        | B         |
| Selenium                                                                                       | 3.9    | 180     | 2.2        | U         | 2.36       | U         | 2.31       | U         | 2.22       | U         | 2.13       | U         |
| Silver                                                                                         | 2      | 180     | 0.444      | U         | 0.476      | U         | 0.466      | U         | 0.447      | U         | 0.43       | U         |
| Sodium                                                                                         | NA     | NA      | 44         | U         | 59.8       |           | 46.3       | U         | 175        |           | 42.7       | U         |
| Thallium                                                                                       | NA     | NA      | 2.2        | U         | 2.36       | U         | 2.31       | U         | 2.22       | U         | 2.13       | U         |
| Vanadium                                                                                       | NA     | NA      | 3.61       |           | 24.9       |           | 5.58       |           | 10.2       |           | 4.8        |           |
| Zinc                                                                                           | 109    | 10,000  | 242        |           | 179        |           | 22.1       |           | 130        |           | 6.71       |           |

Analyte Detected

Analyte Above UU SCO

Analyte Above RRU SCO

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 4: TAL Metals in Soils

GBTS Project: 21003-0004

| Sample<br>Date<br>Dilution |        |         | B-6 0-2    |           | B-6 2-4    |           | B-7 0-2    |           | B-7 11-13  |           | B-8W 0-2   |           |
|----------------------------|--------|---------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|
|                            |        |         | 2023-01-06 |           | 2023-01-06 |           | 2023-01-04 |           | 2023-01-04 |           | 2023-01-10 |           |
|                            |        |         | 1          |           | 1          |           | 1          |           | 1          |           | 1          |           |
| Metals, 6010 and 7473      | UU SCO | RRU SCO | Result     | Qualifier | Result     | Qualifier | Result     | Qualifier | Result     | Qualifier | Result     | Qualifier |
| Aluminum                   | NA     | NA      | 7,030      |           | 3,920      |           | 6,730      |           | 541        |           | 11,000     |           |
| Antimony                   | NA     | NA      | 2.21       | U         | 2.13       | U         | 9.02       |           | 2.36       | U         | 2.3        | U         |
| Arsenic                    | 13     | 16      | 1.32       | U         | 1.28       | U         | 6.43       |           | 1.41       | U         | 2.72       |           |
| Barium                     | 350    | 400     | 23.4       |           | 9.76       |           | 260        |           | 2.79       |           | 19.6       |           |
| Beryllium                  | 7.2    | 72      | 0.349      |           | 0.201      |           | 0.285      |           | 0.089      |           | 0.32       |           |
| Cadmium                    | 2.5    | 4.3     | 0.265      | U         | 0.256      | U         | 7.92       |           | 0.283      | U         | 0.276      | U         |
| Calcium                    | NA     | NA      | 27,000     |           | 2,030      |           | 4,480      |           | 72.7       |           | 1,050      |           |
| Chromium                   | 30     | 180     | 8.97       |           | 5.28       |           | 15.6       |           | 4.13       |           | 14.5       |           |
| Cobalt                     | NA     | NA      | 2.24       |           | 2.07       |           | 6.57       |           | 0.543      |           | 1.92       |           |
| Copper                     | 50     | 270     | 5.01       |           | 3.5        |           | 173        |           | 2.46       |           | 4.44       |           |
| Iron                       | NA     | NA      | 6,950      |           | 4,600      |           | 22,300     |           | 3,800      |           | 12,500     |           |
| Lead                       | 63     | 400     | 16.5       |           | 5          |           | 1,190      |           | 3.35       |           | 25.6       |           |
| Magnesium                  | NA     | NA      | 1,850      |           | 480        |           | 1,140      |           | 55.9       |           | 724        |           |
| Manganese                  | 1,600  | 2,000   | 88.4       |           | 68.6       |           | 160        |           | 17.8       |           | 49.6       |           |
| Mercury                    | 0.18   | 0.81    | 0.0318     | U         | 0.0307     | U         | 0.614      |           | 0.0339     | U         | 0.0331     | U         |
| Nickel                     | 30     | 310     | 6.59       |           | 4.11       |           | 17.7       |           | 1.24       |           | 6.93       |           |
| Potassium                  | NA     | NA      | 598        | B         | 244        | B         | 376        | B         | 48.2       | B         | 275        |           |
| Selenium                   | 3.9    | 180     | 2.21       | U         | 2.13       | U         | 2.33       | U         | 2.36       | U         | 2.3        | U         |
| Silver                     | 2      | 180     | 0.445      | U         | 0.43       | U         | 0.47       | U         | 0.475      | U         | 0.463      | U         |
| Sodium                     | NA     | NA      | 227        |           | 42.7       | U         | 235        |           | 47.1       | U         | 285        |           |
| Thallium                   | NA     | NA      | 2.21       | U         | 2.13       | U         | 2.33       | U         | 2.36       | U         | 2.3        | U         |
| Vanadium                   | NA     | NA      | 9.89       |           | 6.16       |           | 19         |           | 2.22       |           | 19.8       |           |
| Zinc                       | 109    | 10,000  | 19.2       |           | 12         |           | 450        |           | 4.73       |           | 20.1       |           |

Analyte Detected

Analyte Above UU SCO

Analyte Above RRU SCO

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 4: TAL Metals in Soils**

GBTS Project: 21003-0004

| Sample<br>Date<br>Dilution |        |         | B-8W 2-4   |           | DUPLICATE  |           |
|----------------------------|--------|---------|------------|-----------|------------|-----------|
|                            |        |         | 2023-01-10 |           | 2023-01-10 |           |
|                            |        |         | 1          |           | 1          |           |
|                            |        |         |            |           |            |           |
| Metals, 6010 and 7473      | UU SCO | RRU SCO | Result     | Qualifier | Result     | Qualifier |
| Aluminum                   | NA     | NA      | 12,100     |           | 9,960      |           |
| Antimony                   | NA     | NA      | 2.32       | U         | 2.14       | U         |
| Arsenic                    | 13     | 16      | 2.82       |           | 2.26       |           |
| Barium                     | 350    | 400     | 20         |           | 18.1       |           |
| Beryllium                  | 7.2    | 72      | 0.316      |           | 0.279      |           |
| Cadmium                    | 2.5    | 4.3     | 0.278      | U         | 0.257      | U         |
| Calcium                    | NA     | NA      | 770        |           | 668        |           |
| Chromium                   | 30     | 180     | 13.2       |           | 11.3       |           |
| Cobalt                     | NA     | NA      | 2.29       |           | 2.02       |           |
| Copper                     | 50     | 270     | 5.56       |           | 4.5        |           |
| Iron                       | NA     | NA      | 12,900     |           | 10,900     |           |
| Lead                       | 63     | 400     | 37.8       |           | 26.7       |           |
| Magnesium                  | NA     | NA      | 740        |           | 634        |           |
| Manganese                  | 1,600  | 2,000   | 64.3       |           | 51.2       |           |
| Mercury                    | 0.18   | 0.81    | 0.151      |           | 0.0824     |           |
| Nickel                     | 30     | 310     | 7.58       |           | 6.73       |           |
| Potassium                  | NA     | NA      | 326        |           | 250        |           |
| Selenium                   | 3.9    | 180     | 2.32       | U         | 2.14       | U         |
| Silver                     | 2      | 180     | 0.467      | U         | 0.432      | U         |
| Sodium                     | NA     | NA      | 348        |           | 265        |           |
| Thallium                   | NA     | NA      | 2.32       | U         | 2.14       | U         |
| Vanadium                   | NA     | NA      | 22.1       |           | 18.2       |           |
| Zinc                       | 109    | 10,000  | 29         |           | 27.4       |           |

Analyte Detected

Analyte Above UU SCO

Analyte Above RRU SCO

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 5: PFAS in Soils**  
**GBTS Project: 21003-0004**

|                                                    |           |            | <b>Sample</b> |                  | <b>B-8W 2-4</b> |
|----------------------------------------------------|-----------|------------|---------------|------------------|-----------------|
| <i>U= Not Detected ≥ value</i>                     |           |            | Date          |                  | 2023-01-10      |
| <i>Data in µg/Kg (ppb)</i>                         |           |            | Dilution      |                  | 1               |
| <b>PFAS</b>                                        | <b>UU</b> | <b>RRU</b> | <b>Result</b> | <b>Qualifier</b> |                 |
| 11CL-PF3OUdS                                       | NA        | NA         | 0.915         | U                |                 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS) | NA        | NA         | 0.915         | U                |                 |
| 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS) | NA        | NA         | 0.915         | U                |                 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS) | NA        | NA         | 0.915         | U                |                 |
| 3-Perfluoroheptyl propanoic acid (FHpPA)           | NA        | NA         | 5.72          | U                |                 |
| 3-Perfluoropentyl propanoic acid (FPePA)           | NA        | NA         | 5.72          | U                |                 |
| 3-Perfluoropropyl propanoic acid (FPrPA)           | NA        | NA         | 1.14          | U                |                 |
| 9CL-PF3ONS                                         | NA        | NA         | 0.915         | U                |                 |
| ADONA                                              | NA        | NA         | 0.915         | U                |                 |
| HFPO-DA (Gen-X)                                    | NA        | NA         | 0.915         | U                |                 |
| N-EtFOSA                                           | NA        | NA         | 1.43          |                  |                 |
| N-EtFOSAA                                          | NA        | NA         | 0.229         | U                |                 |
| N-EtFOSE                                           | NA        | NA         | 2.29          | U                |                 |
| N-MeFOSA                                           | NA        | NA         | 0.336         |                  |                 |
| N-MeFOSAA                                          | NA        | NA         | 0.229         | U                |                 |
| N-MeFOSE                                           | NA        | NA         | 2.29          | U                |                 |
| Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)   | NA        | NA         | 0.457         | U                |                 |
| Perfluoro-1-decanesulfonic acid (PFDS)             | NA        | NA         | 0.229         | U                |                 |
| Perfluoro-1-heptanesulfonic acid (PFHpS)           | NA        | NA         | 0.229         | U                |                 |
| Perfluoro-1-nonanesulfonic acid (PFNS)             | NA        | NA         | 0.229         | U                |                 |
| Perfluoro-1-octanesulfonamide (FOSA)               | NA        | NA         | 0.229         | U                |                 |
| Perfluoro-1-pentanesulfonate (PFPeS)               | NA        | NA         | 0.229         | U                |                 |
| Perfluoro-3,6-dioxahexanoic acid (NFDHA)           | NA        | NA         | 0.457         | U                |                 |
| Perfluoro-4-oxapentanoic acid (PFMPA)              | NA        | NA         | 0.457         | U                |                 |
| Perfluoro-5-oxahexanoic acid (PFMBA)               | NA        | NA         | 0.457         | U                |                 |
| Perfluorobutanesulfonic acid (PFBS)                | NA        | NA         | 0.229         | U                |                 |
| Perfluorodecanoic acid (PFDA)                      | NA        | NA         | 0.229         | U                |                 |
| Perfluorododecanesulfonic acid (PFDoS)             | NA        | NA         | 0.229         | U                |                 |
| Perfluorododecanoic acid (PFDoA)                   | NA        | NA         | 0.229         | U                |                 |
| Perfluoroheptanoic acid (PFHpA)                    | NA        | NA         | 0.229         | U                |                 |
| Perfluorohexanesulfonic acid (PFHxS)               | NA        | NA         | 0.229         | U                |                 |
| Perfluorohexanoic acid (PFHxA)                     | NA        | NA         | 0.229         | U                |                 |
| Perfluoro-n-butanoic acid (PFBA)                   | NA        | NA         | 0.915         | U                |                 |
| Perfluorononanoic acid (PFNA)                      | NA        | NA         | 0.229         | U                |                 |
| Perfluorooctanesulfonic acid (PFOS)                | 0.88      | 44         | 0.229         | U                |                 |
| Perfluorooctanoic acid (PFOA)                      | 0.66      | 33         | 0.229         | U                |                 |
| Perfluoropentanoic acid (PFPeA)                    | NA        | NA         | 0.457         | U                |                 |
| Perfluorotetradecanoic acid (PFTA)                 | NA        | NA         | 0.229         | U                |                 |
| Perfluorotridecanoic acid (PFTrDA)                 | NA        | NA         | 0.229         | U                |                 |
| Perfluoroundecanoic acid (PFUnA)                   | NA        | NA         | 0.229         | U                |                 |

Analyte Detected

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 6: VOCs in Soil Vapor**  
**GBTS File: 21003-0004**

| Sample ID<br>Sample Date<br>Dilution Factor<br><i>All data in µg/m³<br/>U= Not Detected ≥ value</i> | SV-01      |           | SV-02      |           | SV-03      |           | SV-04      |           | SV-05      |           |
|-----------------------------------------------------------------------------------------------------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|
|                                                                                                     | 2023-01-10 |           | 2023-01-10 |           | 2023-01-10 |           | 2023-01-10 |           | 2023-01-10 |           |
|                                                                                                     | 3.202      |           | 5.626      |           | 4.791      |           | 1.631      |           | 4.783      |           |
| VOCs, TO-15                                                                                         | Result     | Qualifier | Result     | Qualifier | Result     | Qualifier | Result     | Qualifier | Result     | Qualifier |
| 1,1,1,2-Tetrachloroethane                                                                           | 2.2        | U         | 3.9        | U         | 3.3        | U         | 1.1        | U         | 3.3        | U         |
| 1,1,1-Trichloroethane                                                                               | 1.7        | U         | 3.1        | U         | 2.6        | U         | 0.89       | U         | 2.6        | U         |
| 1,1,2,2-Tetrachloroethane                                                                           | 2.2        | U         | 3.9        | U         | 3.3        | U         | 1.1        | U         | 3.3        | U         |
| 1,1,2-Trichloro-1,2,2-trifluoroethane                                                               | 2.5        | U         | 4.3        | U         | 3.7        | U         | 1.2        | U         | 3.7        | U         |
| 1,1,2-Trichloroethane                                                                               | 1.7        | U         | 3.1        | U         | 2.6        | U         | 0.89       | U         | 2.6        | U         |
| 1,1-Dichloroethane                                                                                  | 1.3        | U         | 2.3        | U         | 1.9        | U         | 0.66       | U         | 1.9        | U         |
| 1,1-Dichloroethene                                                                                  | 0.32       | U         | 0.56       | U         | 0.47       | U         | 0.16       | U         | 0.47       | U         |
| 1,2,4-Trichlorobenzene                                                                              | 4.8        | U         | 8.4        | U         | 7.1        | U         | 1.2        | U         | 7.1        | U         |
| 1,2,4-Trimethylbenzene                                                                              | 1.6        | U         | 2.8        | U         | 2.4        | U         | 0.8        | J         | 2.4        | U         |
| 1,2-Dibromoethane                                                                                   | 2.5        | U         | 4.3        | U         | 3.7        | U         | 1.3        | U         | 3.7        | U         |
| 1,2-Dichlorobenzene                                                                                 | 1.9        | U         | 3.4        | U         | 2.9        | U         | 0.98       | U         | 2.9        | U         |
| 1,2-Dichloroethane                                                                                  | 1.3        | U         | 2.3        | U         | 1.9        | U         | 0.66       | U         | 1.9        | U         |
| 1,2-Dichloropropane                                                                                 | 1.5        | U         | 2.6        | U         | 2.2        | U         | 0.75       | U         | 2.2        | U         |
| 1,2-Dichlorotetrafluoroethane                                                                       | 2.2        | U         | 3.9        | U         | 3.3        | U         | 1.1        | U         | 3.3        | U         |
| 1,3,5-Trimethylbenzene                                                                              | 1.6        | U         | 2.8        | U         | 2.4        | U         | 0.8        | U         | 2.4        | U         |
| 1,3-Butadiene                                                                                       | 2.1        | U         | 3.7        | U         | 3.2        | J         | 1.1        | U         | 3.2        | U         |
| 1,3-Dichlorobenzene                                                                                 | 1.9        | U         | 3.4        | U         | 2.9        | U         | 0.98       | U         | 2.9        | U         |
| 1,3-Dichloropropane                                                                                 | 1.5        | U         | 2.6        | U         | 2.2        | U         | 0.75       | U         | 2.2        | U         |
| 1,4-Dichlorobenzene                                                                                 | 1.9        | U         | 3.4        | U         | 2.9        | U         | 0.98       | U         | 2.9        | U         |
| 1,4-Dioxane                                                                                         | 2.3        | U         | 4.1        | U         | 3.5        | U         | 1.2        | U         | 3.4        | U         |
| 2-Butanone                                                                                          | 8.5        | D         | 15         | D         | 24         | D         | 4.7        | D         | 20         | D         |
| 2-Hexanone                                                                                          | 2.6        | U         | 4.6        | U         | 3.9        | U         | 1.3        | J         | 3.9        | U         |
| 3-Chloropropene                                                                                     | 5          | U         | 8.8        | U         | 7.5        | U         | 2.6        | U         | 7.5        | U         |
| 4-Methyl-2-pentanone                                                                                | 1.3        | U         | 5.1        | D         | 3.7        | D         | 0.67       | U         | 5.9        | D         |
| Acetone                                                                                             | 320        | D         | 410        | D         | 440        | D         | 88         | D         | 190        | D         |
| Acrylonitrile                                                                                       | 0.69       | U         | 1.2        | U         | 1          | U         | 0.35       | U         | 1          | U         |
| Benzene                                                                                             | 1          | U         | 1.8        | U         | 1.5        | D         | 2.9        | D         | 1.5        | U         |
| Benzyl chloride                                                                                     | 3.3        | U         | 5.8        | U         | 5          | U         | 0.84       | U         | 5          | U         |
| Bromodichloromethane                                                                                | 2.1        | U         | 3.8        | U         | 3.2        | U         | 1.1        | U         | 3.2        | U         |
| Bromoform                                                                                           | 3.3        | U         | 5.8        | U         | 5          | U         | 1.7        | U         | 4.9        | U         |
| Bromomethane                                                                                        | 1.2        | U         | 2.2        | U         | 1.9        | U         | 0.63       | U         | 1.9        | U         |
| Carbon disulfide                                                                                    | 1          | U         | 1.8        | U         | 1.5        | U         | 0.51       | U         | 1.5        | U         |
| Carbon tetrachloride                                                                                | 0.5        | U         | 0.88       | U         | 0.75       | U         | 0.31       | D         | 0.75       | U         |
| Chlorobenzene                                                                                       | 1.5        | U         | 2.6        | U         | 2.2        | U         | 0.75       | U         | 2.2        | U         |
| Chloroethane                                                                                        | 0.84       | U         | 1.5        | U         | 1.3        | U         | 0.43       | U         | 1.3        | U         |
| Chloroform                                                                                          | 1.6        | U         | 2.7        | U         | 2.3        | U         | 2.1        | D         | 2.3        | U         |
| Chloromethane                                                                                       | 1.8        | D         | 1.2        | U         | 0.99       | J         | 1          | D         | 1.1        | D         |
| cis-1,2-Dichloroethene                                                                              | 0.32       | U         | 0.56       | U         | 0.47       | U         | 0.16       | U         | 0.47       | U         |
| cis-1,3-Dichloropropene                                                                             | 1.5        | U         | 2.6        | U         | 2.2        | U         | 0.74       | U         | 2.2        | U         |
| Cyclohexane                                                                                         | 1.1        | U         | 1.9        | U         | 1.6        | U         | 1.1        | D         | 1.6        | U         |
| Dibromochloromethane                                                                                | 2.7        | U         | 4.8        | U         | 4.1        | U         | 1.4        | U         | 4.1        | U         |
| Dichlorodifluoromethane                                                                             | 2.5        | D         | 2.8        | U         | 2.6        | D         | 2.5        | D         | 2.6        | D         |
| Ethyl Acetate                                                                                       | 2.3        | U         | 4.1        | U         | 3.5        | U         | 1.2        | U         | 4          | D         |
| Ethylbenzene                                                                                        | 5.8        | D         | 3.4        | D         | 2.1        | J         | 2.2        | D         | 2.1        | J         |
| Hexachlorobutadiene                                                                                 | 3.4        | U         | 6          | U         | 5.1        | U         | 1.7        | U         | 5.1        | U         |
| Isopropanol                                                                                         | 4.3        | D         | 4.3        | D         | 23         | D         | 2.7        | BD        | 25         | D         |
| Methyl Methacrylate                                                                                 | 1.3        | U         | 2.3        | U         | 2          | U         | 0.67       | U         | 2          | U         |
| Methyl tert butyl ether                                                                             | 1.2        | U         | 2          | U         | 1.7        | U         | 0.59       | U         | 1.7        | U         |
| Methylene chloride                                                                                  | 2.2        | J         | 3.9        | J         | 3.3        | J         | 1.6        | D         | 3.3        | J         |
| n-Heptane                                                                                           | 1.3        | U         | 2.8        | D         | 2          | J         | 0.67       | U         | 2          | U         |
| n-Hexane                                                                                            | 1.1        | U         | 2          | U         | 2.5        | D         | 2.1        | D         | 1.7        | U         |
| o-Xylene                                                                                            | 2.8        | D         | 2.4        | D         | 2.1        | J         | 2.1        | D         | 2.1        | J         |
| p/m-Xylene                                                                                          | 11         | D         | 7.3        | D         | 4.2        | J         | 5.7        | D         | 4.2        | U         |
| p-Ethyltoluene                                                                                      | 1.6        | U         | 2.8        | U         | 2.4        | U         | 0.8        | J         | 2.4        | U         |
| Propylene                                                                                           | 0.55       | U         | 7.2        | D         | 25         | D         | 0.28       | U         | 0.82       | U         |
| Styrene                                                                                             | 1.4        | U         | 2.4        | U         | 2          | U         | 0.69       | J         | 2          | U         |
| Tetrachloroethene                                                                                   | 2.2        | U         | 6.1        | D         | 3.2        | U         | 1.2        | D         | 3.2        | J         |
| Tetrahydrofuran                                                                                     | 1.9        | U         | 3.3        | U         | 2.8        | U         | 0.96       | U         | 2.8        | U         |
| Toluene                                                                                             | 1.6        | D         | 7.8        | D         | 6.7        | D         | 12         | D         | 5.6        | D         |
| trans-1,2-Dichloroethene                                                                            | 1.3        | U         | 2.2        | U         | 1.9        | U         | 0.65       | U         | 1.9        | U         |
| trans-1,3-Dichloropropene                                                                           | 1.5        | U         | 2.6        | U         | 2.2        | U         | 0.74       | U         | 2.2        | U         |
| Trichloroethene                                                                                     | 0.43       | U         | 0.76       | U         | 0.64       | U         | 0.22       | U         | 0.64       | U         |
| Trichlorofluoromethane                                                                              | 1.8        | U         | 3.2        | J         | 2.7        | U         | 1.2        | D         | 2.7        | U         |
| Vinyl acetate                                                                                       | 1.1        | U         | 2          | U         | 1.7        | U         | 0.57       | U         | 1.7        | U         |
| Vinyl bromide                                                                                       | 1.4        | U         | 2.5        | U         | 2.1        | U         | 0.71       | U         | 2.1        | U         |
| Vinyl chloride                                                                                      | 0.41       | U         | 0.72       | U         | 0.61       | U         | 0.21       | U         | 0.61       | U         |

Detected concentrations

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

**Table 6: VOCs in Soil Vapor**  
**GBTS File: 21003-0004**

| Sample ID<br>All data in µg/m <sup>3</sup><br>U= Not Detected ≥ value | SV-06      |           | SV-07      |           |
|-----------------------------------------------------------------------|------------|-----------|------------|-----------|
|                                                                       | 2023-01-10 |           | 2023-01-10 |           |
|                                                                       | 1.649      |           | 1.633      |           |
| VOCs, TO-15                                                           | Result     | Qualifier | Result     | Qualifier |
| 1,1,1,2-Tetrachloroethane                                             | 1.1        | U         | 1.1        | U         |
| 1,1,1-Trichloroethane                                                 | 0.9        | U         | 0.89       | U         |
| 1,1,2,2-Tetrachloroethane                                             | 1.1        | U         | 1.1        | U         |
| 1,1,2-Trichloro-1,2,2-trifluoroethane                                 | 1.3        | U         | 1.3        | U         |
| 1,1,2-Trichloroethane                                                 | 0.9        | U         | 0.89       | U         |
| 1,1-Dichloroethane                                                    | 0.67       | U         | 0.66       | U         |
| 1,1-Dichloroethene                                                    | 0.16       | U         | 0.16       | U         |
| 1,2,4-Trichlorobenzene                                                | 2.4        | U         | 2.4        | U         |
| 1,2,4-Trimethylbenzene                                                | 1.1        | D         | 0.8        | U         |
| 1,2-Dibromoethane                                                     | 1.3        | U         | 1.3        | U         |
| 1,2-Dichlorobenzene                                                   | 0.99       | U         | 0.98       | U         |
| 1,2-Dichloroethane                                                    | 0.67       | U         | 0.66       | U         |
| 1,2-Dichloropropane                                                   | 0.76       | U         | 0.75       | U         |
| 1,2-Dichlorotetrafluoroethane                                         | 1.2        | U         | 1.1        | U         |
| 1,3,5-Trimethylbenzene                                                | 0.81       | J         | 0.8        | U         |
| 1,3-Butadiene                                                         | 1.1        | U         | 1.1        | U         |
| 1,3-Dichlorobenzene                                                   | 0.99       | U         | 0.98       | U         |
| 1,3-Dichloropropane                                                   | 0.76       | U         | 0.75       | U         |
| 1,4-Dichlorobenzene                                                   | 0.99       | U         | 0.98       | J         |
| 1,4-Dioxane                                                           | 1.2        | U         | 1.2        | U         |
| 2-Butanone                                                            | 1.1        | D         | 2.2        | D         |
| 2-Hexanone                                                            | 1.4        | U         | 1.3        | U         |
| 3-Chloropropene                                                       | 2.6        | U         | 2.6        | U         |
| 4-Methyl-2-pentanone                                                  | 0.68       | U         | 0.67       | U         |
| Acetone                                                               | 2.8        | D         | 4.2        | D         |
| Acrylonitrile                                                         | 0.36       | U         | 0.35       | U         |
| Benzene                                                               | 1.2        | D         | 0.52       | U         |
| Benzyl chloride                                                       | 1.7        | U         | 1.7        | U         |
| Bromodichloromethane                                                  | 1.1        | U         | 1.1        | U         |
| Bromoform                                                             | 1.7        | U         | 1.7        | U         |
| Bromomethane                                                          | 0.64       | U         | 0.63       | U         |
| Carbon disulfide                                                      | 0.51       | U         | 0.51       | U         |
| Carbon tetrachloride                                                  | 0.26       | U         | 0.26       | U         |
| Chlorobenzene                                                         | 0.76       | U         | 0.75       | U         |
| Chloroethane                                                          | 0.44       | U         | 0.43       | U         |
| Chloroform                                                            | 3.5        | D         | 0.8        | U         |
| Chloromethane                                                         | 0.34       | U         | 0.34       | U         |
| cis-1,2-Dichloroethene                                                | 0.2        | D         | 0.16       | U         |
| cis-1,3-Dichloropropene                                               | 0.75       | U         | 0.74       | U         |
| Cyclohexane                                                           | 0.57       | U         | 0.56       | U         |
| Dibromochloromethane                                                  | 1.4        | U         | 1.4        | U         |
| Dichlorodifluoromethane                                               | 2.4        | D         | 2.7        | D         |
| Ethyl Acetate                                                         | 1.2        | U         | 1.2        | U         |
| Ethylbenzene                                                          | 2.2        | D         | 1.3        | D         |
| Hexachlorobutadiene                                                   | 1.8        | U         | 1.7        | U         |
| Isopropanol                                                           | 1.3        | D         | 1.3        | D         |
| Methyl Methacrylate                                                   | 0.68       | U         | 0.67       | U         |
| Methyl tert butyl ether                                               | 0.59       | U         | 0.59       | U         |
| Methylene chloride                                                    | 1.1        | U         | 1.1        | J         |
| n-Heptane                                                             | 0.68       | U         | 0.67       | J         |
| n-Hexane                                                              | 0.58       | U         | 0.58       | U         |
| o-Xylene                                                              | 2.7        | D         | 1.3        | D         |
| p/m-Xylene                                                            | 6.1        | D         | 3.4        | D         |
| p-Ethyltoluene                                                        | 1.3        | D         | 0.8        | U         |
| Propylene                                                             | 0.28       | U         | 0.93       | D         |
| Styrene                                                               | 0.7        | U         | 0.7        | U         |
| Tetrachloroethene                                                     | 93         | D         | 30         | D         |
| Tetrahydrofuran                                                       | 0.97       | U         | 0.96       | U         |
| Toluene                                                               | 4.1        | D         | 1.6        | D         |
| trans-1,2-Dichloroethene                                              | 0.65       | U         | 0.65       | U         |
| trans-1,3-Dichloropropene                                             | 0.75       | U         | 0.74       | U         |
| Trichloroethene                                                       | 2.2        | D         | 0.22       | U         |
| Trichlorofluoromethane                                                | 1          | D         | 1.1        | D         |
| Vinyl acetate                                                         | 0.58       | U         | 0.57       | U         |
| Vinyl bromide                                                         | 0.72       | U         | 0.71       | U         |
| Vinyl chloride                                                        | 0.21       | U         | 0.21       | U         |

Detected concentrations

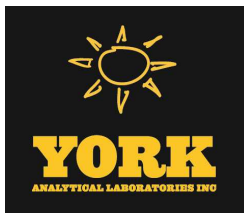
Notes: NA = not available

Result Qualifiers: J = approximate E = estimated B = detected in blank

## APPENDIX D

# Laboratory Reports





# Technical Report

prepared for:

**Gallagher Bassett - Poughkeepsie, NY**

22 IBM Road, Suite 101  
Poughkeepsie NY, 12601  
**Attention: Erick Salazar**

Report Date: 01/13/2023

**Client Project ID: 21003-0004**

York Project (SDG) No.: 23A0263

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

Report Date: 01/13/2023  
Client Project ID: 21003-0004  
York Project (SDG) No.: 23A0263

**Gallagher Bassett - Poughkeepsie, NY**  
22 IBM Road, Suite 101  
Poughkeepsie NY, 12601  
Attention: Erick Salazar

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## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on January 05, 2023 and listed below. The project was identified as your project: **21003-0004**.

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

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

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

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

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

| <u>York Sample ID</u> | <u>Client Sample ID</u> | <u>Matrix</u> | <u>Date Collected</u> | <u>Date Received</u> |
|-----------------------|-------------------------|---------------|-----------------------|----------------------|
| 23A0263-01            | B-7 0-2                 | Soil          | 01/04/2023            | 01/05/2023           |
| 23A0263-02            | B-7 11-13               | Soil          | 01/04/2023            | 01/05/2023           |
| 23A0263-03            | B-1W 0-2                | Soil          | 01/05/2023            | 01/05/2023           |
| 23A0263-04            | B-1W 2-4                | Soil          | 01/05/2023            | 01/05/2023           |

## **General Notes for York Project (SDG) No.: 23A0263**

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:** 01/13/2023

Cassie L. Mosher  
Laboratory Manager





## Sample Information

**Client Sample ID:** B-7 0-2

**York Sample ID:** 23A0263-01

**York Project (SDG) No.**

**Client Project ID**

**Matrix**

**Collection Date/Time**

**Date Received**

23A0263

21003-0004

Soil

January 4, 2023 11:20 am

01/05/2023

### Volatile Organics, 8260 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.  | Parameter                                            | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|------------------------------------------------------|--------|------|-----------|------------------------|--------|----------|------------------------------|-----------------------|-----------------------|---------|
| 630-20-6 | 1,1,1,2-Tetrachloroethane                            | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 71-55-6  | 1,1,1-Trichloroethane                                | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 79-34-5  | 1,1,2,2-Tetrachloroethane                            | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 76-13-1  | 1,1,2-Trichloro-1,2,2-trifluoroethane<br>(Freon 113) | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 79-00-5  | 1,1,2-Trichloroethane                                | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 75-34-3  | 1,1-Dichloroethane                                   | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 75-35-4  | 1,1-Dichloroethylene                                 | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 87-61-6  | 1,2,3-Trichlorobenzene                               | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 96-18-4  | 1,2,3-Trichloropropane                               | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 120-82-1 | 1,2,4-Trichlorobenzene                               | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 95-63-6  | 1,2,4-Trimethylbenzene                               | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 96-12-8  | 1,2-Dibromo-3-chloropropane                          | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 106-93-4 | 1,2-Dibromoethane                                    | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 95-50-1  | 1,2-Dichlorobenzene                                  | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 107-06-2 | 1,2-Dichloroethane                                   | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 78-87-5  | 1,2-Dichloropropane                                  | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 108-67-8 | 1,3,5-Trimethylbenzene                               | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 541-73-1 | 1,3-Dichlorobenzene                                  | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 106-46-7 | 1,4-Dichlorobenzene                                  | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 123-91-1 | 1,4-Dioxane                                          | ND     |      | mg/kg dry | 0.054                  | 0.11   | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 78-93-3  | 2-Butanone                                           | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 591-78-6 | 2-Hexanone                                           | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |



## Sample Information

**Client Sample ID:** B-7 0-2

**York Sample ID:** 23A0263-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0263

21003-0004

Soil

January 4, 2023 11:20 am

01/05/2023

### Volatile Organics, 8260 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.    | Parameter                 | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|---------------------------|--------|------|-----------|------------------------|--------|----------|------------------------------|-----------------------|-----------------------|---------|
| 108-10-1   | 4-Methyl-2-pentanone      | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 67-64-1    | Acetone                   | ND     |      | mg/kg dry | 0.0054                 | 0.011  | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 107-02-8   | Acrolein                  | ND     |      | mg/kg dry | 0.0054                 | 0.011  | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 107-13-1   | Acrylonitrile             | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 71-43-2    | Benzene                   | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 74-97-5    | Bromochloromethane        | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 75-27-4    | Bromodichloromethane      | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 75-25-2    | Bromoform                 | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 74-83-9    | Bromomethane              | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 75-15-0    | Carbon disulfide          | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 56-23-5    | Carbon tetrachloride      | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 108-90-7   | Chlorobenzene             | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 75-00-3    | Chloroethane              | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 67-66-3    | Chloroform                | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 74-87-3    | Chloromethane             | ND     | CCVE | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 156-59-2   | cis-1,2-Dichloroethylene  | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 110-82-7   | Cyclohexane               | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 124-48-1   | Dibromochloromethane      | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 74-95-3    | Dibromomethane            | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 75-71-8    | Dichlorodifluoromethane   | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 100-41-4   | Ethyl Benzene             | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 87-68-3    | Hexachlorobutadiene       | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |



## Sample Information

**Client Sample ID:** B-7 0-2

**York Sample ID:** 23A0263-01

York Project (SDG) No.  
23A0263

Client Project ID  
21003-0004

Matrix  
Soil

Collection Date/Time  
January 4, 2023 11:20 am

Date Received  
01/05/2023

### Volatile Organics, 8260 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.              | Parameter                                 | Result | Flag             | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------------------|-------------------------------------------|--------|------------------|-----------|------------------------|--------|----------|------------------------------|-----------------------|-----------------------|---------|
| 98-82-8              | Isopropylbenzene                          | ND     |                  | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 79-20-9              | Methyl acetate                            | ND     |                  | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 1634-04-4            | Methyl tert-butyl ether (MTBE)            | ND     |                  | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 108-87-2             | Methylcyclohexane                         | ND     |                  | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 75-09-2              | Methylene chloride                        | ND     |                  | mg/kg dry | 0.0054                 | 0.011  | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 104-51-8             | n-Butylbenzene                            | ND     |                  | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 103-65-1             | n-Propylbenzene                           | ND     |                  | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 95-47-6              | o-Xylene                                  | ND     |                  | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 179601-23-1          | p- & m- Xylenes                           | ND     |                  | mg/kg dry | 0.0054                 | 0.011  | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 99-87-6              | p-Isopropyltoluene                        | ND     |                  | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 135-98-8             | sec-Butylbenzene                          | ND     |                  | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 100-42-5             | Styrene                                   | ND     |                  | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 75-65-0              | tert-Butyl alcohol (TBA)                  | ND     |                  | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 98-06-6              | tert-Butylbenzene                         | ND     |                  | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 127-18-4             | Tetrachloroethylene                       | ND     |                  | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 108-88-3             | Toluene                                   | ND     |                  | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 156-60-5             | trans-1,2-Dichloroethylene                | ND     |                  | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 10061-02-6           | trans-1,3-Dichloropropylene               | ND     |                  | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 79-01-6              | Trichloroethylene                         | ND     |                  | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 75-69-4              | Trichlorofluoromethane                    | ND     |                  | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 75-01-4              | Vinyl Chloride                            | ND     |                  | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| 1330-20-7            | Xylenes, Total                            | ND     |                  | mg/kg dry | 0.0081                 | 0.016  | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:22      | JTG     |
| Surrogate Recoveries |                                           | Result | Acceptance Range |           |                        |        |          |                              |                       |                       |         |
| 17060-07-0           | Surrogate: SURR:<br>1,2-Dichloroethane-d4 | 116 %  | 77-125           |           |                        |        |          |                              |                       |                       |         |



## Sample Information

**Client Sample ID:** B-7 0-2

**York Sample ID:** 23A0263-01

York Project (SDG) No.  
23A0263

Client Project ID  
21003-0004

Matrix  
Soil

Collection Date/Time  
January 4, 2023 11:20 am

Date Received  
01/05/2023

### Volatile Organics, 8260 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.   | Parameter                                | Result | Flag | Units | Reported to<br>LOD/MDL | LOQ | Dilution | Reference Method | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|------------------------------------------|--------|------|-------|------------------------|-----|----------|------------------|-----------------------|-----------------------|---------|
| 2037-26-5 | Surrogate: SURR: Toluene-d8              | 98.4 % |      |       | 85-120                 |     |          |                  |                       |                       |         |
| 460-00-4  | Surrogate: SURR:<br>p-Bromofluorobenzene | 94.6 % |      |       | 76-130                 |     |          |                  |                       |                       |         |

### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.  | Parameter                             | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|---------------------------------------|--------|------|-----------|------------------------|--------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 92-52-4  | 1,1-Biphenyl                          | ND     |      | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 95-94-3  | 1,2,4,5-Tetrachlorobenzene            | ND     |      | mg/kg dry | 0.0930                 | 0.186  | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 120-82-1 | 1,2,4-Trichlorobenzene                | ND     |      | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 95-50-1  | 1,2-Dichlorobenzene                   | ND     |      | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP                     | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 122-66-7 | 1,2-Diphenylhydrazine (as Azobenzene) | ND     |      | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 541-73-1 | 1,3-Dichlorobenzene                   | ND     |      | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP                     | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 106-46-7 | 1,4-Dichlorobenzene                   | ND     |      | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP                     | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 58-90-2  | 2,3,4,6-Tetrachlorophenol             | ND     |      | mg/kg dry | 0.0930                 | 0.186  | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 95-95-4  | 2,4,5-Trichlorophenol                 | ND     |      | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 88-06-2  | 2,4,6-Trichlorophenol                 | ND     |      | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 120-83-2 | 2,4-Dichlorophenol                    | ND     |      | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 105-67-9 | 2,4-Dimethylphenol                    | ND     |      | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 51-28-5  | 2,4-Dinitrophenol                     | ND     |      | mg/kg dry | 0.0930                 | 0.186  | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 121-14-2 | 2,4-Dinitrotoluene                    | ND     |      | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 606-20-2 | 2,6-Dinitrotoluene                    | ND     |      | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 91-58-7  | 2-Chloronaphthalene                   | ND     |      | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 95-57-8  | 2-Chlorophenol                        | ND     |      | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 91-57-6  | 2-Methylnaphthalene                   | ND     |      | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 95-48-7  | 2-Methylphenol                        | ND     |      | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |



## Sample Information

**Client Sample ID:** B-7 0-2

**York Sample ID:** 23A0263-01

York Project (SDG) No.  
23A0263

Client Project ID  
21003-0004

Matrix  
Soil

Collection Date/Time  
January 4, 2023 11:20 am

Date Received  
01/05/2023

### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.    | Parameter                   | Result        | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|-----------------------------|---------------|------|-----------|------------------------|--------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 88-74-4    | 2-Nitroaniline              | ND            |      | mg/kg dry | 0.0930                 | 0.186  | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 88-75-5    | 2-Nitrophenol               | ND            |      | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 65794-96-9 | 3- & 4-Methylphenols        | ND            |      | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 91-94-1    | 3,3-Dichlorobenzidine       | ND            |      | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 99-09-2    | 3-Nitroaniline              | ND            |      | mg/kg dry | 0.0930                 | 0.186  | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 534-52-1   | 4,6-Dinitro-2-methylphenol  | ND            |      | mg/kg dry | 0.0930                 | 0.186  | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 101-55-3   | 4-Bromophenyl phenyl ether  | ND            |      | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 59-50-7    | 4-Chloro-3-methylphenol     | ND            |      | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 106-47-8   | 4-Chloroaniline             | ND            |      | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 7005-72-3  | 4-Chlorophenyl phenyl ether | ND            |      | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 100-01-6   | 4-Nitroaniline              | ND            |      | mg/kg dry | 0.0930                 | 0.186  | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 100-02-7   | 4-Nitrophenol               | ND            |      | mg/kg dry | 0.0930                 | 0.186  | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 83-32-9    | Acenaphthene                | ND            |      | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 208-96-8   | <b>Acenaphthylene</b>       | <b>0.0476</b> | J    | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 98-86-2    | Acetophenone                | ND            |      | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 62-53-3    | Aniline                     | ND            |      | mg/kg dry | 0.186                  | 0.372  | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 120-12-7   | <b>Anthracene</b>           | <b>0.165</b>  |      | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 1912-24-9  | Atrazine                    | ND            |      | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 100-52-7   | Benzaldehyde                | ND            |      | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 92-87-5    | Benzidine                   | ND            |      | mg/kg dry | 0.186                  | 0.372  | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 56-55-3    | <b>Benzo(a)anthracene</b>   | <b>0.691</b>  |      | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 50-32-8    | <b>Benzo(a)pyrene</b>       | <b>0.818</b>  |      | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 205-99-2   | <b>Benzo(b)fluoranthene</b> | <b>0.591</b>  |      | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |





## Sample Information

**Client Sample ID:** B-7 0-2

**York Sample ID:** 23A0263-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0263

21003-0004

Soil

January 4, 2023 11:20 am

01/05/2023

### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.  | Parameter                   | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|-----------------------------|--------|------|-----------|------------------------|--------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 191-24-2 | Benzo(g,h,i)perylene        | 0.440  |      | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 207-08-9 | Benzo(k)fluoranthene        | 0.574  |      | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 65-85-0  | Benzoic acid                | ND     |      | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 100-51-6 | Benzyl alcohol              | ND     |      | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 85-68-7  | Benzyl butyl phthalate      | ND     |      | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 111-91-1 | Bis(2-chloroethoxy)methane  | ND     |      | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 111-44-4 | Bis(2-chloroethyl)ether     | ND     |      | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND     |      | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 117-81-7 | Bis(2-ethylhexyl)phthalate  | ND     |      | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 105-60-2 | Caprolactam                 | ND     |      | mg/kg dry | 0.0930                 | 0.186  | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 86-74-8  | Carbazole                   | ND     |      | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 218-01-9 | Chrysene                    | 0.769  |      | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 53-70-3  | Dibenzo(a,h)anthracene      | 0.143  |      | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 132-64-9 | Dibenzofuran                | ND     |      | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 84-66-2  | Diethyl phthalate           | ND     |      | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 131-11-3 | Dimethyl phthalate          | ND     |      | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 84-74-2  | Di-n-butyl phthalate        | ND     |      | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 117-84-0 | Di-n-octyl phthalate        | ND     |      | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 206-44-0 | Fluoranthene                | 0.968  |      | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 86-73-7  | Fluorene                    | ND     |      | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 118-74-1 | Hexachlorobenzene           | ND     |      | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 87-68-3  | Hexachlorobutadiene         | ND     |      | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 77-47-4  | Hexachlorocyclopentadiene   | ND     |      | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |



## Sample Information

**Client Sample ID:** B-7 0-2

**York Sample ID:** 23A0263-01

York Project (SDG) No.  
23A0263

Client Project ID  
21003-0004

Matrix  
Soil

Collection Date/Time  
January 4, 2023 11:20 am

Date Received  
01/05/2023

### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                                | Result        | Flag                    | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|------------------------------------------|---------------|-------------------------|-----------|------------------------|--------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 67-72-1                     | Hexachloroethane                         | ND            |                         | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 193-39-5                    | <b>Indeno(1,2,3-cd)pyrene</b>            | <b>0.314</b>  |                         | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 78-59-1                     | Isophorone                               | ND            |                         | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 91-20-3                     | Naphthalene                              | ND            |                         | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 98-95-3                     | Nitrobenzene                             | ND            |                         | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 62-75-9                     | N-Nitrosodimethylamine                   | ND            |                         | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 621-64-7                    | N-nitroso-di-n-propylamine               | ND            |                         | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 86-30-6                     | N-Nitrosodiphenylamine                   | ND            |                         | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 87-86-5                     | Pentachlorophenol                        | ND            |                         | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 85-01-8                     | <b>Phenanthrene</b>                      | <b>0.593</b>  |                         | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 108-95-2                    | Phenol                                   | ND            |                         | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| 129-00-0                    | <b>Pyrene</b>                            | <b>1.12</b>   |                         | mg/kg dry | 0.0466                 | 0.0930 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 11:46      | KH      |
| <b>Surrogate Recoveries</b> |                                          | <b>Result</b> | <b>Acceptance Range</b> |           |                        |        |          |                                                                      |                       |                       |         |
| 367-12-4                    | Surrogate: SURR: 2-Fluorophenol          | 78.7 %        | 20-108                  |           |                        |        |          |                                                                      |                       |                       |         |
| 4165-62-2                   | Surrogate: SURR: Phenol-d5               | 77.0 %        | 23-114                  |           |                        |        |          |                                                                      |                       |                       |         |
| 4165-60-0                   | Surrogate: SURR: Nitrobenzene-d5         | 87.3 %        | 22-108                  |           |                        |        |          |                                                                      |                       |                       |         |
| 321-60-8                    | Surrogate: SURR: 2-Fluorobiphenyl        | 77.4 %        | 21-113                  |           |                        |        |          |                                                                      |                       |                       |         |
| 118-79-6                    | Surrogate: SURR:<br>2,4,6-Tribromophenol | 99.4 %        | 19-110                  |           |                        |        |          |                                                                      |                       |                       |         |
| 1718-51-0                   | Surrogate: SURR: Terphenyl-d14           | 89.6 %        | 24-116                  |           |                        |        |          |                                                                      |                       |                       |         |

### Pesticides, 8081 target list

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units     | Reported to<br>LOQ | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|-----------|--------|------|-----------|--------------------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 72-54-8 | 4,4'-DDD  | ND     |      | mg/kg dry | 0.00180            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/07/2023 09:07      | 01/13/2023 02:36      | BJ      |
| 72-55-9 | 4,4'-DDE  | ND     |      | mg/kg dry | 0.00180            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/07/2023 09:07      | 01/13/2023 02:36      | BJ      |
| 50-29-3 | 4,4'-DDT  | ND     |      | mg/kg dry | 0.00180            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/07/2023 09:07      | 01/13/2023 02:36      | BJ      |



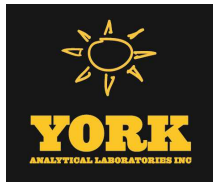
**York Sample ID:**            **23A0263-01**

Date Received  
01/05/2023

**Sample Notes:**

**Sample Notes:**

| CAS No.            | Parameter | Result              | Flag | Units | Reported to<br>LOQ | Dilution           | Reference Method | Date/Time<br>Prepared   | Date/Time<br>Analyzed | Analyst |
|--------------------|-----------|---------------------|------|-------|--------------------|--------------------|------------------|-------------------------|-----------------------|---------|
| 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@         |                       |         |



## Sample Information

**Client Sample ID:** B-7 0-2

**York Sample ID:** 23A0263-01

| <u>York Project (SDG) No.</u> | <u>Client Project ID</u> | <u>Matrix</u> | <u>Collection Date/Time</u> | <u>Date Received</u> |
|-------------------------------|--------------------------|---------------|-----------------------------|----------------------|
| 23A0263                       | 21003-0004               | Soil          | January 4, 2023 11:20 am    | 01/05/2023           |

|                             |                                 |               |                         |        |   |                              |                                                                              |    |
|-----------------------------|---------------------------------|---------------|-------------------------|--------|---|------------------------------|------------------------------------------------------------------------------|----|
| 12674-11-2                  | Aroclor 1016                    | ND            | mg/kg dry               | 0.0182 | 1 | EPA 8082A<br>Certifications: | 01/07/2023 09:07 01/12/2023 00:50<br>NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | BJ |
| 11104-28-2                  | Aroclor 1221                    | ND            | mg/kg dry               | 0.0182 | 1 | EPA 8082A<br>Certifications: | 01/07/2023 09:07 01/12/2023 00:50<br>NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | BJ |
| 11141-16-5                  | Aroclor 1232                    | ND            | mg/kg dry               | 0.0182 | 1 | EPA 8082A<br>Certifications: | 01/07/2023 09:07 01/12/2023 00:50<br>NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | BJ |
| 53469-21-9                  | Aroclor 1242                    | ND            | mg/kg dry               | 0.0182 | 1 | EPA 8082A<br>Certifications: | 01/07/2023 09:07 01/12/2023 00:50<br>NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | BJ |
| 12672-29-6                  | Aroclor 1248                    | ND            | mg/kg dry               | 0.0182 | 1 | EPA 8082A<br>Certifications: | 01/07/2023 09:07 01/12/2023 00:50<br>NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | BJ |
| 11097-69-1                  | Aroclor 1254                    | ND            | mg/kg dry               | 0.0182 | 1 | EPA 8082A<br>Certifications: | 01/07/2023 09:07 01/12/2023 00:50<br>NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | BJ |
| 11096-82-5                  | Aroclor 1260                    | ND            | mg/kg dry               | 0.0182 | 1 | EPA 8082A<br>Certifications: | 01/07/2023 09:07 01/12/2023 00:50<br>NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | BJ |
| 37324-23-5                  | Aroclor 1262                    | ND            | mg/kg dry               | 0.0182 | 1 | EPA 8082A<br>Certifications: | 01/07/2023 09:07 01/12/2023 00:50<br>NELAC-NY10854,NJDEP,PADEP               | BJ |
| 11100-14-4                  | Aroclor 1268                    | ND            | mg/kg dry               | 0.0182 | 1 | EPA 8082A<br>Certifications: | 01/07/2023 09:07 01/12/2023 00:50<br>NELAC-NY10854,NJDEP,PADEP               | BJ |
| 1336-36-3                   | * Total PCBs                    | ND            | mg/kg dry               | 0.0182 | 1 | EPA 8082A<br>Certifications: | 01/07/2023 09:07 01/12/2023 00:50                                            | BJ |
| <b>Surrogate Recoveries</b> |                                 | <b>Result</b> | <b>Acceptance Range</b> |        |   |                              |                                                                              |    |
| 877-09-8                    | Surrogate: Tetrachloro-m-xylene | 77.0 %        | 30-140                  |        |   |                              |                                                                              |    |
| 2051-24-3                   | Surrogate: Decachlorobiphenyl   | 66.0 %        | 30-140                  |        |   |                              |                                                                              |    |

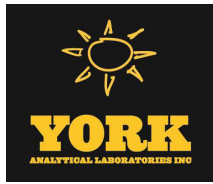
### Metals, Target Analyte

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter | Result | Flag | Units     | Reported to LOQ | Dilution | Reference Method             | Date/Time Prepared                                                           | Date/Time Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|-----------------|----------|------------------------------|------------------------------------------------------------------------------|--------------------|---------|
| 7429-90-5 | Aluminum  | 6730   |      | mg/kg dry | 4.66            | 1        | EPA 6010D<br>Certifications: | 01/10/2023 14:23 01/11/2023 12:29<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                    | CW      |
| 7440-36-0 | Antimony  | 9.02   |      | mg/kg dry | 2.33            | 1        | EPA 6010D<br>Certifications: | 01/10/2023 14:23 01/11/2023 12:29<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                    | CW      |
| 7440-38-2 | Arsenic   | 6.43   |      | mg/kg dry | 1.40            | 1        | EPA 6010D<br>Certifications: | 01/10/2023 14:23 01/11/2023 12:29<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                    | CW      |
| 7440-39-3 | Barium    | 260    |      | mg/kg dry | 2.33            | 1        | EPA 6010D<br>Certifications: | 01/10/2023 14:23 01/11/2023 12:29<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                    | CW      |
| 7440-41-7 | Beryllium | 0.285  |      | mg/kg dry | 0.047           | 1        | EPA 6010D<br>Certifications: | 01/10/2023 14:23 01/11/2023 12:29<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                    | CW      |
| 7440-43-9 | Cadmium   | 7.92   |      | mg/kg dry | 0.280           | 1        | EPA 6010D<br>Certifications: | 01/10/2023 14:23 01/11/2023 12:29<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                    | CW      |
| 7440-70-2 | Calcium   | 4480   |      | mg/kg dry | 4.66            | 1        | EPA 6010D<br>Certifications: | 01/10/2023 14:23 01/11/2023 12:29<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                    | CW      |
| 7440-47-3 | Chromium  | 15.6   |      | mg/kg dry | 0.467           | 1        | EPA 6010D<br>Certifications: | 01/10/2023 14:23 01/11/2023 12:29<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                    | CW      |
| 7440-48-4 | Cobalt    | 6.57   |      | mg/kg dry | 0.373           | 1        | EPA 6010D<br>Certifications: | 01/10/2023 14:23 01/11/2023 12:29<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                    | CW      |



## Sample Information

**Client Sample ID:** B-7 0-2

**York Sample ID:** 23A0263-01

York Project (SDG) No.

23A0263

Client Project ID

21003-0004

Matrix

Soil

Collection Date/Time

January 4, 2023 11:20 am

Date Received

01/05/2023

### Metals, Target Analyte

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter | Result | Flag | Units     | Reported to<br>LOQ | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|--------------------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7440-50-8 | Copper    | 173    |      | mg/kg dry | 1.86               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23      | 01/11/2023 12:29      | CW      |
| 7439-89-6 | Iron      | 22300  |      | mg/kg dry | 23.3               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23      | 01/11/2023 12:29      | CW      |
| 7439-92-1 | Lead      | 1190   |      | mg/kg dry | 0.467              | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23      | 01/11/2023 12:29      | CW      |
| 7439-95-4 | Magnesium | 1140   |      | mg/kg dry | 4.67               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23      | 01/11/2023 12:29      | CW      |
| 7439-96-5 | Manganese | 160    |      | mg/kg dry | 0.467              | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23      | 01/11/2023 12:29      | CW      |
| 7440-02-0 | Nickel    | 17.7   |      | mg/kg dry | 0.929              | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23      | 01/11/2023 12:29      | CW      |
| 7440-09-7 | Potassium | 376    | B    | mg/kg dry | 4.67               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23      | 01/11/2023 12:29      | CW      |
| 7782-49-2 | Selenium  | ND     |      | mg/kg dry | 2.33               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23      | 01/11/2023 12:29      | CW      |
| 7440-22-4 | Silver    | ND     |      | mg/kg dry | 0.470              | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23      | 01/11/2023 12:29      | CW      |
| 7440-23-5 | Sodium    | 235    |      | mg/kg dry | 46.6               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23      | 01/11/2023 12:29      | CW      |
| 7440-28-0 | Thallium  | ND     |      | mg/kg dry | 2.33               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23      | 01/11/2023 12:29      | CW      |
| 7440-62-2 | Vanadium  | 19.0   |      | mg/kg dry | 0.929              | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23      | 01/11/2023 12:29      | CW      |
| 7440-66-6 | Zinc      | 450    |      | mg/kg dry | 2.32               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23      | 01/11/2023 12:29      | CW      |

### Mercury by 7473

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 7473 soil

| CAS No.   | Parameter | Result | Flag | Units     | Reported to<br>LOQ | Dilution | Reference Method                                                    | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|--------------------|----------|---------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7439-97-6 | Mercury   | 0.614  |      | mg/kg dry | 0.0336             | 1        | EPA 7473<br>Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP | 01/09/2023 09:22      | 01/09/2023 14:00      | MR      |

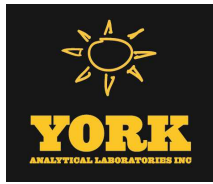
### Total Solids

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: % Solids Prep

| CAS No. | Parameter  | Result | Flag | Units | Reported to<br>LOQ | Dilution | Reference Method                          | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|------------|--------|------|-------|--------------------|----------|-------------------------------------------|-----------------------|-----------------------|---------|
| solids  | * % Solids | 89.4   |      | %     | 0.100              | 1        | SM 2540G<br>Certifications: CTDOH-PH-0723 | 01/06/2023 19:18      | 01/06/2023 21:36      | AGNR    |



## Sample Information

**Client Sample ID:** B-7 11-13

**York Sample ID:** 23A0263-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0263

21003-0004

Soil

January 4, 2023 11:45 am

01/05/2023

### Volatile Organics, 8260 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.  | Parameter                                            | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|------------------------------------------------------|--------|------|-----------|------------------------|--------|----------|------------------------------|-----------------------|-----------------------|---------|
| 630-20-6 | 1,1,1,2-Tetrachloroethane                            | ND     |      | mg/kg dry | 0.0026                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 71-55-6  | 1,1,1-Trichloroethane                                | ND     |      | mg/kg dry | 0.0026                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 79-34-5  | 1,1,2,2-Tetrachloroethane                            | ND     |      | mg/kg dry | 0.0026                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 76-13-1  | 1,1,2-Trichloro-1,2,2-trifluoroethane<br>(Freon 113) | ND     |      | mg/kg dry | 0.0026                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 79-00-5  | 1,1,2-Trichloroethane                                | ND     |      | mg/kg dry | 0.0026                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 75-34-3  | 1,1-Dichloroethane                                   | ND     |      | mg/kg dry | 0.0026                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 75-35-4  | 1,1-Dichloroethylene                                 | ND     |      | mg/kg dry | 0.0026                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 87-61-6  | 1,2,3-Trichlorobenzene                               | ND     |      | mg/kg dry | 0.0026                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 96-18-4  | 1,2,3-Trichloropropane                               | ND     |      | mg/kg dry | 0.0026                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 120-82-1 | 1,2,4-Trichlorobenzene                               | ND     |      | mg/kg dry | 0.0026                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 95-63-6  | 1,2,4-Trimethylbenzene                               | ND     |      | mg/kg dry | 0.0026                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 96-12-8  | 1,2-Dibromo-3-chloropropane                          | ND     |      | mg/kg dry | 0.0026                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 106-93-4 | 1,2-Dibromoethane                                    | ND     |      | mg/kg dry | 0.0026                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 95-50-1  | 1,2-Dichlorobenzene                                  | ND     |      | mg/kg dry | 0.0026                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 107-06-2 | 1,2-Dichloroethane                                   | ND     |      | mg/kg dry | 0.0026                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 78-87-5  | 1,2-Dichloropropane                                  | ND     |      | mg/kg dry | 0.0026                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 108-67-8 | 1,3,5-Trimethylbenzene                               | ND     |      | mg/kg dry | 0.0026                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 541-73-1 | 1,3-Dichlorobenzene                                  | ND     |      | mg/kg dry | 0.0026                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 106-46-7 | 1,4-Dichlorobenzene                                  | ND     |      | mg/kg dry | 0.0026                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 123-91-1 | 1,4-Dioxane                                          | ND     |      | mg/kg dry | 0.051                  | 0.10   | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 78-93-3  | 2-Butanone                                           | ND     |      | mg/kg dry | 0.0026                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 591-78-6 | 2-Hexanone                                           | ND     |      | mg/kg dry | 0.0026                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 108-10-1 | 4-Methyl-2-pentanone                                 | ND     |      | mg/kg dry | 0.0026                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |



## Sample Information

**Client Sample ID:** B-7 11-13

**York Sample ID:** 23A0263-02

York Project (SDG) No.  
23A0263

Client Project ID  
21003-0004

Matrix  
Soil

Collection Date/Time  
January 4, 2023 11:45 am

Date Received  
01/05/2023

### Volatile Organics, 8260 - Comprehensive

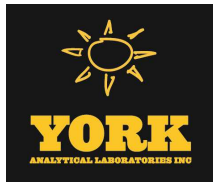
### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.    | Parameter                 | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                                 | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|---------------------------|--------|------|-----------|------------------------|--------|----------|----------------------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 67-64-1    | Acetone                   | 0.012  | CCVE | mg/kg dry | 0.0051                 | 0.010  | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA  | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 107-02-8   | Acrolein                  | ND     |      | mg/kg dry | 0.0051                 | 0.010  | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 107-13-1   | Acrylonitrile             | ND     |      | mg/kg dry | 0.0026                 | 0.0051 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 71-43-2    | Benzene                   | ND     |      | mg/kg dry | 0.0026                 | 0.0051 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 74-97-5    | Bromochloromethane        | ND     |      | mg/kg dry | 0.0026                 | 0.0051 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 75-27-4    | Bromodichloromethane      | ND     |      | mg/kg dry | 0.0026                 | 0.0051 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 75-25-2    | Bromoform                 | ND     |      | mg/kg dry | 0.0026                 | 0.0051 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 74-83-9    | Bromomethane              | ND     |      | mg/kg dry | 0.0026                 | 0.0051 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 75-15-0    | Carbon disulfide          | ND     |      | mg/kg dry | 0.0026                 | 0.0051 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 56-23-5    | Carbon tetrachloride      | ND     |      | mg/kg dry | 0.0026                 | 0.0051 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 108-90-7   | Chlorobenzene             | ND     |      | mg/kg dry | 0.0026                 | 0.0051 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 75-00-3    | Chloroethane              | ND     |      | mg/kg dry | 0.0026                 | 0.0051 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 67-66-3    | Chloroform                | ND     |      | mg/kg dry | 0.0026                 | 0.0051 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 74-87-3    | Chloromethane             | ND     | CCVE | mg/kg dry | 0.0026                 | 0.0051 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 156-59-2   | cis-1,2-Dichloroethylene  | ND     |      | mg/kg dry | 0.0026                 | 0.0051 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND     |      | mg/kg dry | 0.0026                 | 0.0051 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 110-82-7   | Cyclohexane               | ND     |      | mg/kg dry | 0.0026                 | 0.0051 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 124-48-1   | Dibromochloromethane      | ND     |      | mg/kg dry | 0.0026                 | 0.0051 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 74-95-3    | Dibromomethane            | ND     |      | mg/kg dry | 0.0026                 | 0.0051 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 75-71-8    | Dichlorodifluoromethane   | ND     |      | mg/kg dry | 0.0026                 | 0.0051 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 100-41-4   | Ethyl Benzene             | ND     |      | mg/kg dry | 0.0026                 | 0.0051 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 87-68-3    | Hexachlorobutadiene       | ND     |      | mg/kg dry | 0.0026                 | 0.0051 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 98-82-8    | Isopropylbenzene          | ND     |      | mg/kg dry | 0.0026                 | 0.0051 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |





## Sample Information

**Client Sample ID:** B-7 11-13

**York Sample ID:** 23A0263-02

York Project (SDG) No.

23A0263

Client Project ID

21003-0004

Matrix

Soil

Collection Date/Time

January 4, 2023 11:45 am

Date Received

01/05/2023

### Volatile Organics, 8260 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.                     | Parameter                                  | Result        | Flag                    | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                                 | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|--------------------------------------------|---------------|-------------------------|-----------|------------------------|--------|----------|----------------------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 79-20-9                     | Methyl acetate                             | ND            |                         | mg/kg dry | 0.0026                 | 0.0051 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 1634-04-4                   | Methyl tert-butyl ether (MTBE)             | ND            |                         | mg/kg dry | 0.0026                 | 0.0051 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 108-87-2                    | Methylcyclohexane                          | ND            |                         | mg/kg dry | 0.0026                 | 0.0051 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 75-09-2                     | Methylene chloride                         | ND            |                         | mg/kg dry | 0.0051                 | 0.010  | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 104-51-8                    | n-Butylbenzene                             | ND            |                         | mg/kg dry | 0.0026                 | 0.0051 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 103-65-1                    | n-Propylbenzene                            | ND            |                         | mg/kg dry | 0.0026                 | 0.0051 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 95-47-6                     | o-Xylene                                   | ND            |                         | mg/kg dry | 0.0026                 | 0.0051 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP     | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 179601-23-1                 | p- & m- Xylenes                            | ND            |                         | mg/kg dry | 0.0051                 | 0.010  | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP     | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 99-87-6                     | p-Isopropyltoluene                         | ND            |                         | mg/kg dry | 0.0026                 | 0.0051 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 135-98-8                    | sec-Butylbenzene                           | ND            |                         | mg/kg dry | 0.0026                 | 0.0051 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 100-42-5                    | Styrene                                    | ND            |                         | mg/kg dry | 0.0026                 | 0.0051 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 75-65-0                     | tert-Butyl alcohol (TBA)                   | ND            |                         | mg/kg dry | 0.0026                 | 0.0051 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 98-06-6                     | tert-Butylbenzene                          | ND            |                         | mg/kg dry | 0.0026                 | 0.0051 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 127-18-4                    | Tetrachloroethylene                        | ND            |                         | mg/kg dry | 0.0026                 | 0.0051 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 108-88-3                    | Toluene                                    | ND            |                         | mg/kg dry | 0.0026                 | 0.0051 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 156-60-5                    | trans-1,2-Dichloroethylene                 | ND            |                         | mg/kg dry | 0.0026                 | 0.0051 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 10061-02-6                  | trans-1,3-Dichloropropylene                | ND            |                         | mg/kg dry | 0.0026                 | 0.0051 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 79-01-6                     | Trichloroethylene                          | ND            |                         | mg/kg dry | 0.0026                 | 0.0051 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 75-69-4                     | Trichlorofluoromethane                     | ND            |                         | mg/kg dry | 0.0026                 | 0.0051 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 75-01-4                     | Vinyl Chloride                             | ND            |                         | mg/kg dry | 0.0026                 | 0.0051 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| 1330-20-7                   | Xylenes, Total                             | ND            |                         | mg/kg dry | 0.0077                 | 0.015  | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP     | 01/09/2023 06:55      | 01/09/2023 18:51      | JTG     |
| <b>Surrogate Recoveries</b> |                                            | <b>Result</b> | <b>Acceptance Range</b> |           |                        |        |          |                                                                                  |                       |                       |         |
| 17060-07-0                  | Surrogate: SURRE:<br>1,2-Dichloroethane-d4 | 115 %         | 77-125                  |           |                        |        |          |                                                                                  |                       |                       |         |
| 2037-26-5                   | Surrogate: SURRE: Toluene-d8               | 95.9 %        | 85-120                  |           |                        |        |          |                                                                                  |                       |                       |         |





## Sample Information

**Client Sample ID:** B-7 11-13

**York Sample ID:** 23A0263-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0263

21003-0004

Soil

January 4, 2023 11:45 am

01/05/2023

### Volatile Organics, 8260 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.  | Parameter                                | Result | Flag | Units | Reported to<br>LOD/MDL | LOQ | Dilution | Reference Method | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|------------------------------------------|--------|------|-------|------------------------|-----|----------|------------------|-----------------------|-----------------------|---------|
| 460-00-4 | Surrogate: SURR:<br>p-Bromofluorobenzene | 93.1 % |      |       | 76-130                 |     |          |                  |                       |                       |         |

### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.  | Parameter                             | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|---------------------------------------|--------|------|-----------|------------------------|--------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 92-52-4  | 1,1-Biphenyl                          | ND     |      | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/09/2023 08:41      | 01/10/2023 12:17      | KH      |
| 95-94-3  | 1,2,4,5-Tetrachlorobenzene            | ND     |      | mg/kg dry | 0.0940                 | 0.188  | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/09/2023 08:41      | 01/10/2023 12:17      | KH      |
| 120-82-1 | 1,2,4-Trichlorobenzene                | ND     |      | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 12:17      | KH      |
| 95-50-1  | 1,2-Dichlorobenzene                   | ND     |      | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP                     | 01/09/2023 08:41      | 01/10/2023 12:17      | KH      |
| 122-66-7 | 1,2-Diphenylhydrazine (as Azobenzene) | ND     |      | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/09/2023 08:41      | 01/10/2023 12:17      | KH      |
| 541-73-1 | 1,3-Dichlorobenzene                   | ND     |      | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP                     | 01/09/2023 08:41      | 01/10/2023 12:17      | KH      |
| 106-46-7 | 1,4-Dichlorobenzene                   | ND     |      | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP                     | 01/09/2023 08:41      | 01/10/2023 12:17      | KH      |
| 58-90-2  | 2,3,4,6-Tetrachlorophenol             | ND     |      | mg/kg dry | 0.0940                 | 0.188  | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/09/2023 08:41      | 01/10/2023 12:17      | KH      |
| 95-95-4  | 2,4,5-Trichlorophenol                 | ND     |      | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 12:17      | KH      |
| 88-06-2  | 2,4,6-Trichlorophenol                 | ND     |      | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 12:17      | KH      |
| 120-83-2 | 2,4-Dichlorophenol                    | ND     |      | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 12:17      | KH      |
| 105-67-9 | 2,4-Dimethylphenol                    | ND     |      | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 12:17      | KH      |
| 51-28-5  | 2,4-Dinitrophenol                     | ND     |      | mg/kg dry | 0.0940                 | 0.188  | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 12:17      | KH      |
| 121-14-2 | 2,4-Dinitrotoluene                    | ND     |      | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 12:17      | KH      |
| 606-20-2 | 2,6-Dinitrotoluene                    | ND     |      | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 12:17      | KH      |
| 91-58-7  | 2-Chloronaphthalene                   | ND     |      | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 12:17      | KH      |
| 95-57-8  | 2-Chlorophenol                        | ND     |      | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 12:17      | KH      |
| 91-57-6  | 2-Methylnaphthalene                   | ND     |      | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 12:17      | KH      |
| 95-48-7  | 2-Methylphenol                        | ND     |      | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 12:17      | KH      |



## Sample Information

**Client Sample ID:** B-7 11-13

**York Sample ID:** 23A0263-02

York Project (SDG) No.

23A0263

Client Project ID

21003-0004

Matrix

Soil

Collection Date/Time

January 4, 2023 11:45 am

Date Received

01/05/2023

### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.    | Parameter                   | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method             | Date/Time<br>Prepared                                       | Date/Time<br>Analyzed | Analyst |
|------------|-----------------------------|--------|------|-----------|------------------------|--------|----------|------------------------------|-------------------------------------------------------------|-----------------------|---------|
| 88-74-4    | 2-Nitroaniline              | ND     |      | mg/kg dry | 0.0940                 | 0.188  | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 12:17      | KH      |
| 88-75-5    | 2-Nitrophenol               | ND     |      | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 12:17      | KH      |
| 65794-96-9 | 3- & 4-Methylphenols        | ND     |      | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 12:17      | KH      |
| 91-94-1    | 3,3-Dichlorobenzidine       | ND     |      | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>NELAC-NY10854,NJDEP,PADEP               | 01/10/2023 12:17      | KH      |
| 99-09-2    | 3-Nitroaniline              | ND     |      | mg/kg dry | 0.0940                 | 0.188  | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 12:17      | KH      |
| 534-52-1   | 4,6-Dinitro-2-methylphenol  | ND     |      | mg/kg dry | 0.0940                 | 0.188  | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 12:17      | KH      |
| 101-55-3   | 4-Bromophenyl phenyl ether  | ND     |      | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 12:17      | KH      |
| 59-50-7    | 4-Chloro-3-methylphenol     | ND     |      | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 12:17      | KH      |
| 106-47-8   | 4-Chloroaniline             | ND     |      | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 12:17      | KH      |
| 7005-72-3  | 4-Chlorophenyl phenyl ether | ND     |      | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 12:17      | KH      |
| 100-01-6   | 4-Nitroaniline              | ND     |      | mg/kg dry | 0.0940                 | 0.188  | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 12:17      | KH      |
| 100-02-7   | 4-Nitrophenol               | ND     |      | mg/kg dry | 0.0940                 | 0.188  | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 12:17      | KH      |
| 83-32-9    | Acenaphthene                | ND     |      | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 12:17      | KH      |
| 208-96-8   | Acenaphthylene              | ND     |      | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 12:17      | KH      |
| 98-86-2    | Acetophenone                | ND     |      | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>NELAC-NY10854,NJDEP,PADEP               | 01/10/2023 12:17      | KH      |
| 62-53-3    | Aniline                     | ND     |      | mg/kg dry | 0.188                  | 0.376  | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>NELAC-NY10854,NJDEP,PADEP               | 01/10/2023 12:17      | KH      |
| 120-12-7   | Anthracene                  | ND     |      | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 12:17      | KH      |
| 1912-24-9  | Atrazine                    | ND     |      | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>NELAC-NY10854,NJDEP,PADEP               | 01/10/2023 12:17      | KH      |
| 100-52-7   | Benzaldehyde                | ND     |      | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>NELAC-NY10854,NJDEP,PADEP               | 01/10/2023 12:17      | KH      |
| 92-87-5    | Benzidine                   | ND     |      | mg/kg dry | 0.188                  | 0.376  | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 12:17      | KH      |
| 56-55-3    | Benzo(a)anthracene          | ND     |      | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 12:17      | KH      |
| 50-32-8    | Benzo(a)pyrene              | ND     |      | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 12:17      | KH      |
| 205-99-2   | Benzo(b)fluoranthene        | ND     |      | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 12:17      | KH      |



## Sample Information

**Client Sample ID:** B-7 11-13

**York Sample ID:** 23A0263-02

York Project (SDG) No.  
23A0263

Client Project ID  
21003-0004

Matrix  
Soil

Collection Date/Time  
January 4, 2023 11:45 am

Date Received  
01/05/2023

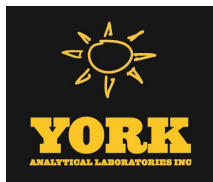
### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.  | Parameter                   | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method             | Date/Time<br>Prepared                                       | Date/Time<br>Analyzed | Analyst |
|----------|-----------------------------|--------|------|-----------|------------------------|--------|----------|------------------------------|-------------------------------------------------------------|-----------------------|---------|
| 191-24-2 | Benzo(g,h,i)perylene        | ND     |      | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 12:17      | KH      |
| 207-08-9 | Benzo(k)fluoranthene        | ND     |      | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 12:17      | KH      |
| 65-85-0  | Benzoic acid                | ND     |      | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>NELAC-NY10854,NJDEP,PADEP               | 01/10/2023 12:17      | KH      |
| 100-51-6 | Benzyl alcohol              | ND     |      | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>NELAC-NY10854,NJDEP,PADEP               | 01/10/2023 12:17      | KH      |
| 85-68-7  | Benzyl butyl phthalate      | ND     |      | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 12:17      | KH      |
| 111-91-1 | Bis(2-chloroethoxy)methane  | ND     |      | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 12:17      | KH      |
| 111-44-4 | Bis(2-chloroethyl)ether     | ND     |      | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 12:17      | KH      |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND     |      | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 12:17      | KH      |
| 117-81-7 | Bis(2-ethylhexyl)phthalate  | ND     |      | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 12:17      | KH      |
| 105-60-2 | Caprolactam                 | ND     |      | mg/kg dry | 0.0940                 | 0.188  | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>NELAC-NY10854,NJDEP,PADEP               | 01/10/2023 12:17      | KH      |
| 86-74-8  | Carbazole                   | ND     |      | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 12:17      | KH      |
| 218-01-9 | Chrysene                    | ND     |      | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 12:17      | KH      |
| 53-70-3  | Dibenzo(a,h)anthracene      | ND     |      | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 12:17      | KH      |
| 132-64-9 | Dibenzofuran                | ND     |      | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 12:17      | KH      |
| 84-66-2  | Diethyl phthalate           | ND     |      | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 12:17      | KH      |
| 131-11-3 | Dimethyl phthalate          | ND     |      | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 12:17      | KH      |
| 84-74-2  | Di-n-butyl phthalate        | ND     |      | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 12:17      | KH      |
| 117-84-0 | Di-n-octyl phthalate        | ND     |      | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 12:17      | KH      |
| 206-44-0 | Fluoranthene                | ND     |      | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 12:17      | KH      |
| 86-73-7  | Fluorene                    | ND     |      | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>NELAC-NY10854,NJDEP,PADEP               | 01/10/2023 12:17      | KH      |
| 118-74-1 | Hexachlorobenzene           | ND     |      | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 12:17      | KH      |
| 87-68-3  | Hexachlorobutadiene         | ND     |      | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 12:17      | KH      |
| 77-47-4  | Hexachlorocyclopentadiene   | ND     |      | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 12:17      | KH      |



## Sample Information

**Client Sample ID:** B-7 11-13

**York Sample ID:** 23A0263-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0263

21003-0004

Soil

January 4, 2023 11:45 am

01/05/2023

### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                                | Result        | Flag                    | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|------------------------------------------|---------------|-------------------------|-----------|------------------------|--------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 67-72-1                     | Hexachloroethane                         | ND            |                         | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 12:17      | KH      |
| 193-39-5                    | Indeno(1,2,3-cd)pyrene                   | ND            |                         | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 12:17      | KH      |
| 78-59-1                     | Isophorone                               | ND            |                         | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 12:17      | KH      |
| 91-20-3                     | Naphthalene                              | ND            |                         | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 12:17      | KH      |
| 98-95-3                     | Nitrobenzene                             | ND            |                         | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 12:17      | KH      |
| 62-75-9                     | N-Nitrosodimethylamine                   | ND            |                         | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 12:17      | KH      |
| 621-64-7                    | N-nitroso-di-n-propylamine               | ND            |                         | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 12:17      | KH      |
| 86-30-6                     | N-Nitrosodiphenylamine                   | ND            |                         | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 12:17      | KH      |
| 87-86-5                     | Pentachlorophenol                        | ND            |                         | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 12:17      | KH      |
| 85-01-8                     | Phenanthrene                             | ND            |                         | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 12:17      | KH      |
| 108-95-2                    | Phenol                                   | ND            |                         | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 12:17      | KH      |
| 129-00-0                    | Pyrene                                   | ND            |                         | mg/kg dry | 0.0471                 | 0.0940 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 12:17      | KH      |
| <b>Surrogate Recoveries</b> |                                          | <b>Result</b> | <b>Acceptance Range</b> |           |                        |        |          |                                                                      |                       |                       |         |
| 367-12-4                    | Surrogate: SURR: 2-Fluorophenol          | 72.1 %        | 20-108                  |           |                        |        |          |                                                                      |                       |                       |         |
| 4165-62-2                   | Surrogate: SURR: Phenol-d5               | 68.0 %        | 23-114                  |           |                        |        |          |                                                                      |                       |                       |         |
| 4165-60-0                   | Surrogate: SURR: Nitrobenzene-d5         | 84.6 %        | 22-108                  |           |                        |        |          |                                                                      |                       |                       |         |
| 321-60-8                    | Surrogate: SURR: 2-Fluorobiphenyl        | 65.7 %        | 21-113                  |           |                        |        |          |                                                                      |                       |                       |         |
| 118-79-6                    | Surrogate: SURR:<br>2,4,6-Tribromophenol | 91.5 %        | 19-110                  |           |                        |        |          |                                                                      |                       |                       |         |
| 1718-51-0                   | Surrogate: SURR: Terphenyl-d14           | 83.4 %        | 24-116                  |           |                        |        |          |                                                                      |                       |                       |         |

### Pesticides, 8081 target list

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.  | Parameter | Result | Flag | Units     | Reported to<br>LOQ | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|-----------|--------|------|-----------|--------------------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 72-54-8  | 4,4'-DDD  | ND     |      | mg/kg dry | 0.00181            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/07/2023 09:07      | 01/11/2023 17:46      | BJ      |
| 72-55-9  | 4,4'-DDE  | ND     |      | mg/kg dry | 0.00181            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/07/2023 09:07      | 01/11/2023 17:46      | BJ      |
| 50-29-3  | 4,4'-DDT  | ND     |      | mg/kg dry | 0.00181            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/07/2023 09:07      | 01/11/2023 17:46      | BJ      |
| 309-00-2 | Aldrin    | ND     |      | mg/kg dry | 0.00181            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/07/2023 09:07      | 01/11/2023 17:46      | BJ      |



## Sample Information

**Client Sample ID:** B-7 11-13

**York Sample ID:** 23A0263-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0263

21003-0004

Soil

January 4, 2023 11:45 am

01/05/2023

### Pesticides, 8081 target list

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                       | Result        | Flag                    | Units     | Reported to<br>LOQ | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|-------------------------|-----------|--------------------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 319-84-6                    | alpha-BHC                       | ND            |                         | mg/kg dry | 0.00181            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/07/2023 09:07      | 01/11/2023 17:46      | BJ      |
| 5103-71-9                   | alpha-Chlordane                 | ND            |                         | mg/kg dry | 0.00181            | 5        | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP                     | 01/07/2023 09:07      | 01/11/2023 17:46      | BJ      |
| 319-85-7                    | beta-BHC                        | ND            |                         | mg/kg dry | 0.00181            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/07/2023 09:07      | 01/11/2023 17:46      | BJ      |
| 12789-03-6                  | Chlordane, total                | ND            |                         | mg/kg dry | 0.0362             | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/07/2023 09:07      | 01/11/2023 17:46      | BJ      |
| 319-86-8                    | delta-BHC                       | ND            |                         | mg/kg dry | 0.00181            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/07/2023 09:07      | 01/11/2023 17:46      | BJ      |
| 60-57-1                     | Dieldrin                        | ND            |                         | mg/kg dry | 0.00181            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/07/2023 09:07      | 01/11/2023 17:46      | BJ      |
| 959-98-8                    | Endosulfan I                    | ND            |                         | mg/kg dry | 0.00181            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/07/2023 09:07      | 01/11/2023 17:46      | BJ      |
| 33213-65-9                  | Endosulfan II                   | ND            |                         | mg/kg dry | 0.00181            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854             | 01/07/2023 09:07      | 01/11/2023 17:46      | BJ      |
| 1031-07-8                   | Endosulfan sulfate              | ND            |                         | mg/kg dry | 0.00181            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/07/2023 09:07      | 01/11/2023 17:46      | BJ      |
| 72-20-8                     | Endrin                          | ND            |                         | mg/kg dry | 0.00181            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/07/2023 09:07      | 01/11/2023 17:46      | BJ      |
| 7421-93-4                   | Endrin aldehyde                 | ND            |                         | mg/kg dry | 0.00181            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/07/2023 09:07      | 01/11/2023 17:46      | BJ      |
| 53494-70-5                  | Endrin ketone                   | ND            |                         | mg/kg dry | 0.00181            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/07/2023 09:07      | 01/11/2023 17:46      | BJ      |
| 58-89-9                     | gamma-BHC (Lindane)             | ND            |                         | mg/kg dry | 0.00181            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/07/2023 09:07      | 01/11/2023 17:46      | BJ      |
| 5566-34-7                   | gamma-Chlordane                 | ND            |                         | mg/kg dry | 0.00181            | 5        | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP                     | 01/07/2023 09:07      | 01/11/2023 17:46      | BJ      |
| 76-44-8                     | Heptachlor                      | ND            |                         | mg/kg dry | 0.00181            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/07/2023 09:07      | 01/11/2023 17:46      | BJ      |
| 1024-57-3                   | Heptachlor epoxide              | ND            |                         | mg/kg dry | 0.00181            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/07/2023 09:07      | 01/11/2023 17:46      | BJ      |
| 72-43-5                     | Methoxychlor                    | ND            |                         | mg/kg dry | 0.00906            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/07/2023 09:07      | 01/11/2023 17:46      | BJ      |
| 8001-35-2                   | Toxaphene                       | ND            |                         | mg/kg dry | 0.0917             | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/07/2023 09:07      | 01/11/2023 17:46      | BJ      |
| <b>Surrogate Recoveries</b> |                                 | <b>Result</b> | <b>Acceptance Range</b> |           |                    |          |                                                                      |                       |                       |         |
| 2051-24-3                   | Surrogate: Decachlorobiphenyl   | 86.0 %        | 30-150                  |           |                    |          |                                                                      |                       |                       |         |
| 877-09-8                    | Surrogate: Tetrachloro-m-xylene | 92.8 %        | 30-150                  |           |                    |          |                                                                      |                       |                       |         |

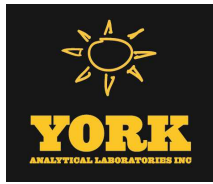
### Polychlorinated Biphenyls (PCB)

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to<br>LOQ | Dilution | Reference Method | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|-----------|--------|------|-------|--------------------|----------|------------------|-----------------------|-----------------------|---------|
|---------|-----------|--------|------|-------|--------------------|----------|------------------|-----------------------|-----------------------|---------|



## Sample Information

**Client Sample ID:** B-7 11-13

**York Sample ID:** 23A0263-02

York Project (SDG) No.

Client Project ID

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Collection Date/Time

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23A0263

21003-0004

Soil

January 4, 2023 11:45 am

01/05/2023

### Polychlorinated Biphenyls (PCB)

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                       | Result        | Flag                    | Units     | Reported to LOQ | Dilution | Reference Method                                                     | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|-------------------------|-----------|-----------------|----------|----------------------------------------------------------------------|--------------------|--------------------|---------|
| 12674-11-2                  | Aroclor 1016                    | ND            |                         | mg/kg dry | 0.0183          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/07/2023 09:07   | 01/12/2023 01:03   | BJ      |
| 11104-28-2                  | Aroclor 1221                    | ND            |                         | mg/kg dry | 0.0183          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/07/2023 09:07   | 01/12/2023 01:03   | BJ      |
| 11141-16-5                  | Aroclor 1232                    | ND            |                         | mg/kg dry | 0.0183          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/07/2023 09:07   | 01/12/2023 01:03   | BJ      |
| 53469-21-9                  | Aroclor 1242                    | ND            |                         | mg/kg dry | 0.0183          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/07/2023 09:07   | 01/12/2023 01:03   | BJ      |
| 12672-29-6                  | Aroclor 1248                    | ND            |                         | mg/kg dry | 0.0183          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/07/2023 09:07   | 01/12/2023 01:03   | BJ      |
| 11097-69-1                  | Aroclor 1254                    | ND            |                         | mg/kg dry | 0.0183          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/07/2023 09:07   | 01/12/2023 01:03   | BJ      |
| 11096-82-5                  | Aroclor 1260                    | ND            |                         | mg/kg dry | 0.0183          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/07/2023 09:07   | 01/12/2023 01:03   | BJ      |
| 37324-23-5                  | Aroclor 1262                    | ND            |                         | mg/kg dry | 0.0183          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/07/2023 09:07   | 01/12/2023 01:03   | BJ      |
| 11100-14-4                  | Aroclor 1268                    | ND            |                         | mg/kg dry | 0.0183          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/07/2023 09:07   | 01/12/2023 01:03   | BJ      |
| 1336-36-3                   | * Total PCBs                    | ND            |                         | mg/kg dry | 0.0183          | 1        | EPA 8082A<br>Certifications:                                         | 01/07/2023 09:07   | 01/12/2023 01:03   | BJ      |
| <b>Surrogate Recoveries</b> |                                 | <b>Result</b> | <b>Acceptance Range</b> |           |                 |          |                                                                      |                    |                    |         |
| 877-09-8                    | Surrogate: Tetrachloro-m-xylene | 87.0 %        | 30-140                  |           |                 |          |                                                                      |                    |                    |         |
| 2051-24-3                   | Surrogate: Decachlorobiphenyl   | 81.0 %        | 30-140                  |           |                 |          |                                                                      |                    |                    |         |

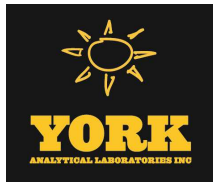
### Metals, Target Analyte

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter | Result | Flag | Units     | Reported to LOQ | Dilution | Reference Method                                                     | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|-----------------|----------|----------------------------------------------------------------------|--------------------|--------------------|---------|
| 7429-90-5 | Aluminum  | 541    |      | mg/kg dry | 4.71            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23   | 01/11/2023 12:32   | CW      |
| 7440-36-0 | Antimony  | ND     |      | mg/kg dry | 2.36            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23   | 01/11/2023 12:32   | CW      |
| 7440-38-2 | Arsenic   | ND     |      | mg/kg dry | 1.41            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23   | 01/11/2023 12:32   | CW      |
| 7440-39-3 | Barium    | 2.79   |      | mg/kg dry | 2.35            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23   | 01/11/2023 12:32   | CW      |
| 7440-41-7 | Beryllium | 0.089  |      | mg/kg dry | 0.047           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23   | 01/11/2023 12:32   | CW      |
| 7440-43-9 | Cadmium   | ND     |      | mg/kg dry | 0.283           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23   | 01/11/2023 12:32   | CW      |
| 7440-70-2 | Calcium   | 72.7   |      | mg/kg dry | 4.71            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23   | 01/11/2023 12:32   | CW      |



## Sample Information

**Client Sample ID:** B-7 11-13

**York Sample ID:** 23A0263-02

York Project (SDG) No.

23A0263

Client Project ID

21003-0004

Matrix

Soil

Collection Date/Time

January 4, 2023 11:45 am

Date Received

01/05/2023

### Metals, Target Analyte

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter | Result | Flag | Units     | Reported to LOQ | Dilution | Reference Method                                                     | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|-----------------|----------|----------------------------------------------------------------------|--------------------|--------------------|---------|
| 7440-47-3 | Chromium  | 4.13   |      | mg/kg dry | 0.472           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23   | 01/11/2023 12:32   | CW      |
| 7440-48-4 | Cobalt    | 0.543  |      | mg/kg dry | 0.377           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23   | 01/11/2023 12:32   | CW      |
| 7440-50-8 | Copper    | 2.46   |      | mg/kg dry | 1.89            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23   | 01/11/2023 12:32   | CW      |
| 7439-89-6 | Iron      | 3800   |      | mg/kg dry | 23.6            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23   | 01/11/2023 12:32   | CW      |
| 7439-92-1 | Lead      | 3.35   |      | mg/kg dry | 0.472           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23   | 01/11/2023 12:32   | CW      |
| 7439-95-4 | Magnesium | 55.9   |      | mg/kg dry | 4.72            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23   | 01/11/2023 12:32   | CW      |
| 7439-96-5 | Manganese | 17.8   |      | mg/kg dry | 0.472           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23   | 01/11/2023 12:32   | CW      |
| 7440-02-0 | Nickel    | 1.24   |      | mg/kg dry | 0.939           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23   | 01/11/2023 12:32   | CW      |
| 7440-09-7 | Potassium | 48.2   | B    | mg/kg dry | 4.72            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23   | 01/11/2023 12:32   | CW      |
| 7782-49-2 | Selenium  | ND     |      | mg/kg dry | 2.36            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23   | 01/11/2023 12:32   | CW      |
| 7440-22-4 | Silver    | ND     |      | mg/kg dry | 0.475           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23   | 01/11/2023 12:32   | CW      |
| 7440-23-5 | Sodium    | ND     |      | mg/kg dry | 47.1            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23   | 01/11/2023 12:32   | CW      |
| 7440-28-0 | Thallium  | ND     |      | mg/kg dry | 2.36            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23   | 01/11/2023 12:32   | CW      |
| 7440-62-2 | Vanadium  | 2.22   |      | mg/kg dry | 0.939           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23   | 01/11/2023 12:32   | CW      |
| 7440-66-6 | Zinc      | 4.73   |      | mg/kg dry | 2.35            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23   | 01/11/2023 12:32   | CW      |

### Mercury by 7473

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 7473 soil

| CAS No.   | Parameter | Result | Flag | Units     | Reported to LOQ | Dilution | Reference Method                                                    | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|-----------------|----------|---------------------------------------------------------------------|--------------------|--------------------|---------|
| 7439-97-6 | Mercury   | ND     |      | mg/kg dry | 0.0339          | 1        | EPA 7473<br>Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP | 01/09/2023 09:22   | 01/09/2023 14:10   | MR      |

### Total Solids

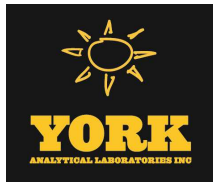
### Log-in Notes:

### 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:** B-7 11-13

**York Sample ID:** 23A0263-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0263

21003-0004

Soil

January 4, 2023 11:45 am

01/05/2023

### Total Solids

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: % Solids Prep

| CAS No. | Parameter  | Result | Flag | Units | Reported to<br>LOQ | Dilution | Reference Method                          | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|------------|--------|------|-------|--------------------|----------|-------------------------------------------|-----------------------|-----------------------|---------|
| solids  | * % Solids | 88.4   |      | %     | 0.100              | 1        | SM 2540G<br>Certifications: CTDOH-PH-0723 | 01/06/2023 19:18      | 01/06/2023 21:36      | AGNR    |

## Sample Information

**Client Sample ID:** B-1W 0-2

**York Sample ID:** 23A0263-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0263

21003-0004

Soil

January 5, 2023 9:05 am

01/05/2023

### Volatile Organics, 8260 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.  | Parameter                                            | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                                 | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|------------------------------------------------------|--------|------|-----------|------------------------|--------|----------|----------------------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 630-20-6 | 1,1,1,2-Tetrachloroethane                            | ND     |      | mg/kg dry | 0.0032                 | 0.0063 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 06:55      | 01/09/2023 19:19      | JTG     |
| 71-55-6  | 1,1,1-Trichloroethane                                | ND     |      | mg/kg dry | 0.0032                 | 0.0063 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 06:55      | 01/09/2023 19:19      | JTG     |
| 79-34-5  | 1,1,2,2-Tetrachloroethane                            | ND     |      | mg/kg dry | 0.0032                 | 0.0063 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 06:55      | 01/09/2023 19:19      | JTG     |
| 76-13-1  | 1,1,2-Trichloro-1,2,2-trifluoroethane<br>(Freon 113) | ND     |      | mg/kg dry | 0.0032                 | 0.0063 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP     | 01/09/2023 06:55      | 01/09/2023 19:19      | JTG     |
| 79-00-5  | 1,1,2-Trichloroethane                                | ND     |      | mg/kg dry | 0.0032                 | 0.0063 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 06:55      | 01/09/2023 19:19      | JTG     |
| 75-34-3  | 1,1-Dichloroethane                                   | ND     |      | mg/kg dry | 0.0032                 | 0.0063 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 06:55      | 01/09/2023 19:19      | JTG     |
| 75-35-4  | 1,1-Dichloroethylene                                 | ND     |      | mg/kg dry | 0.0032                 | 0.0063 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 06:55      | 01/09/2023 19:19      | JTG     |
| 87-61-6  | 1,2,3-Trichlorobenzene                               | ND     |      | mg/kg dry | 0.0032                 | 0.0063 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/09/2023 06:55      | 01/09/2023 19:19      | JTG     |
| 96-18-4  | 1,2,3-Trichloropropane                               | ND     |      | mg/kg dry | 0.0032                 | 0.0063 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP                   | 01/09/2023 06:55      | 01/09/2023 19:19      | JTG     |
| 120-82-1 | 1,2,4-Trichlorobenzene                               | ND     |      | mg/kg dry | 0.0032                 | 0.0063 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/09/2023 06:55      | 01/09/2023 19:19      | JTG     |
| 95-63-6  | 1,2,4-Trimethylbenzene                               | ND     |      | mg/kg dry | 0.0032                 | 0.0063 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 06:55      | 01/09/2023 19:19      | JTG     |
| 96-12-8  | 1,2-Dibromo-3-chloropropane                          | ND     |      | mg/kg dry | 0.0032                 | 0.0063 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 06:55      | 01/09/2023 19:19      | JTG     |
| 106-93-4 | 1,2-Dibromoethane                                    | ND     |      | mg/kg dry | 0.0032                 | 0.0063 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 06:55      | 01/09/2023 19:19      | JTG     |
| 95-50-1  | 1,2-Dichlorobenzene                                  | ND     |      | mg/kg dry | 0.0032                 | 0.0063 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 06:55      | 01/09/2023 19:19      | JTG     |





## Sample Information

**Client Sample ID:** B-1W 0-2

**York Sample ID:** 23A0263-03

York Project (SDG) No.  
23A0263

Client Project ID  
21003-0004

Matrix  
Soil

Collection Date/Time  
January 5, 2023 9:05 am

Date Received  
01/05/2023

### Volatile Organics, 8260 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.  | Parameter              | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|------------------------|--------|------|-----------|------------------------|--------|----------|------------------------------|-----------------------|-----------------------|---------|
| 107-06-2 | 1,2-Dichloroethane     | ND     |      | mg/kg dry | 0.0032                 | 0.0063 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 19:19      | JTG     |
| 78-87-5  | 1,2-Dichloropropane    | ND     |      | mg/kg dry | 0.0032                 | 0.0063 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 19:19      | JTG     |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND     |      | mg/kg dry | 0.0032                 | 0.0063 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 19:19      | JTG     |
| 541-73-1 | 1,3-Dichlorobenzene    | ND     |      | mg/kg dry | 0.0032                 | 0.0063 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 19:19      | JTG     |
| 106-46-7 | 1,4-Dichlorobenzene    | ND     |      | mg/kg dry | 0.0032                 | 0.0063 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 19:19      | JTG     |
| 123-91-1 | 1,4-Dioxane            | ND     |      | mg/kg dry | 0.063                  | 0.13   | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 19:19      | JTG     |
| 78-93-3  | 2-Butanone             | ND     |      | mg/kg dry | 0.0032                 | 0.0063 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 19:19      | JTG     |
| 591-78-6 | 2-Hexanone             | ND     |      | mg/kg dry | 0.0032                 | 0.0063 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 19:19      | JTG     |
| 108-10-1 | 4-Methyl-2-pentanone   | ND     |      | mg/kg dry | 0.0032                 | 0.0063 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 19:19      | JTG     |
| 67-64-1  | Acetone                | 0.0084 | J    | mg/kg dry | 0.0063                 | 0.013  | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 19:19      | JTG     |
| 107-02-8 | Acrolein               | ND     |      | mg/kg dry | 0.0063                 | 0.013  | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 19:19      | JTG     |
| 107-13-1 | Acrylonitrile          | ND     |      | mg/kg dry | 0.0032                 | 0.0063 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 19:19      | JTG     |
| 71-43-2  | Benzene                | ND     |      | mg/kg dry | 0.0032                 | 0.0063 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 19:19      | JTG     |
| 74-97-5  | Bromochloromethane     | ND     |      | mg/kg dry | 0.0032                 | 0.0063 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 19:19      | JTG     |
| 75-27-4  | Bromodichloromethane   | ND     |      | mg/kg dry | 0.0032                 | 0.0063 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 19:19      | JTG     |
| 75-25-2  | Bromoform              | ND     |      | mg/kg dry | 0.0032                 | 0.0063 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 19:19      | JTG     |
| 74-83-9  | Bromomethane           | ND     |      | mg/kg dry | 0.0032                 | 0.0063 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 19:19      | JTG     |
| 75-15-0  | Carbon disulfide       | ND     |      | mg/kg dry | 0.0032                 | 0.0063 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 19:19      | JTG     |
| 56-23-5  | Carbon tetrachloride   | ND     |      | mg/kg dry | 0.0032                 | 0.0063 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 19:19      | JTG     |
| 108-90-7 | Chlorobenzene          | ND     |      | mg/kg dry | 0.0032                 | 0.0063 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 19:19      | JTG     |
| 75-00-3  | Chloroethane           | ND     |      | mg/kg dry | 0.0032                 | 0.0063 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 19:19      | JTG     |
| 67-66-3  | Chloroform             | ND     |      | mg/kg dry | 0.0032                 | 0.0063 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 19:19      | JTG     |
| 74-87-3  | Chloromethane          | ND     | CCVE | mg/kg dry | 0.0032                 | 0.0063 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 19:19      | JTG     |



## Sample Information

**Client Sample ID:** B-1W 0-2

**York Sample ID:** 23A0263-03

York Project (SDG) No.  
23A0263

Client Project ID  
21003-0004

Matrix  
Soil

Collection Date/Time  
January 5, 2023 9:05 am

Date Received  
01/05/2023

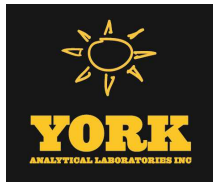
### Volatile Organics, 8260 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.     | Parameter                      | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method             | Date/Time<br>Prepared                                                   | Date/Time<br>Analyzed | Analyst |
|-------------|--------------------------------|--------|------|-----------|------------------------|--------|----------|------------------------------|-------------------------------------------------------------------------|-----------------------|---------|
| 156-59-2    | cis-1,2-Dichloroethylene       | ND     |      | mg/kg dry | 0.0032                 | 0.0063 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 19:19      | JTG     |
| 10061-01-5  | cis-1,3-Dichloropropylene      | ND     |      | mg/kg dry | 0.0032                 | 0.0063 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 19:19      | JTG     |
| 110-82-7    | Cyclohexane                    | ND     |      | mg/kg dry | 0.0032                 | 0.0063 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55<br>NELAC-NY10854,NELAC-NY12058,NJDEP,PAI               | 01/09/2023 19:19      | JTG     |
| 124-48-1    | Dibromochloromethane           | ND     |      | mg/kg dry | 0.0032                 | 0.0063 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55<br>NELAC-NY10854,NELAC-NY12058,NJDEP,PAI               | 01/09/2023 19:19      | JTG     |
| 74-95-3     | Dibromomethane                 | ND     |      | mg/kg dry | 0.0032                 | 0.0063 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55<br>NELAC-NY10854,NELAC-NY12058,NJDEP,PAI               | 01/09/2023 19:19      | JTG     |
| 75-71-8     | Dichlorodifluoromethane        | ND     |      | mg/kg dry | 0.0032                 | 0.0063 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55<br>NELAC-NY10854,NELAC-NY12058,NJDEP,PAI               | 01/09/2023 19:19      | JTG     |
| 100-41-4    | Ethyl Benzene                  | ND     |      | mg/kg dry | 0.0032                 | 0.0063 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 19:19      | JTG     |
| 87-68-3     | Hexachlorobutadiene            | ND     |      | mg/kg dry | 0.0032                 | 0.0063 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55<br>NELAC-NY10854,NELAC-NY12058,NJDEP,PAI               | 01/09/2023 19:19      | JTG     |
| 98-82-8     | Isopropylbenzene               | ND     |      | mg/kg dry | 0.0032                 | 0.0063 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 19:19      | JTG     |
| 79-20-9     | Methyl acetate                 | ND     |      | mg/kg dry | 0.0032                 | 0.0063 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55<br>NELAC-NY10854,NELAC-NY12058,NJDEP,PAI               | 01/09/2023 19:19      | JTG     |
| 1634-04-4   | Methyl tert-butyl ether (MTBE) | ND     |      | mg/kg dry | 0.0032                 | 0.0063 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 19:19      | JTG     |
| 108-87-2    | Methylcyclohexane              | ND     |      | mg/kg dry | 0.0032                 | 0.0063 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55<br>NELAC-NY10854,NELAC-NY12058,NJDEP,PAI               | 01/09/2023 19:19      | JTG     |
| 75-09-2     | Methylene chloride             | ND     |      | mg/kg dry | 0.0063                 | 0.013  | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 19:19      | JTG     |
| 104-51-8    | n-Butylbenzene                 | ND     |      | mg/kg dry | 0.0032                 | 0.0063 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 19:19      | JTG     |
| 103-65-1    | n-Propylbenzene                | ND     |      | mg/kg dry | 0.0032                 | 0.0063 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 19:19      | JTG     |
| 95-47-6     | o-Xylene                       | ND     |      | mg/kg dry | 0.0032                 | 0.0063 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 19:19      | JTG     |
| 179601-23-1 | p- & m- Xylenes                | ND     |      | mg/kg dry | 0.0063                 | 0.013  | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 19:19      | JTG     |
| 99-87-6     | p-Isopropyltoluene             | ND     |      | mg/kg dry | 0.0032                 | 0.0063 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 19:19      | JTG     |
| 135-98-8    | sec-Butylbenzene               | ND     |      | mg/kg dry | 0.0032                 | 0.0063 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 19:19      | JTG     |
| 100-42-5    | Styrene                        | ND     |      | mg/kg dry | 0.0032                 | 0.0063 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 19:19      | JTG     |
| 75-65-0     | tert-Butyl alcohol (TBA)       | ND     |      | mg/kg dry | 0.0032                 | 0.0063 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55<br>NELAC-NY10854,NELAC-NY12058,NJDEP,PAI               | 01/09/2023 19:19      | JTG     |
| 98-06-6     | tert-Butylbenzene              | ND     |      | mg/kg dry | 0.0032                 | 0.0063 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 19:19      | JTG     |
| 127-18-4    | Tetrachloroethylene            | ND     |      | mg/kg dry | 0.0032                 | 0.0063 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 19:19      | JTG     |



## Sample Information

**Client Sample ID:** B-1W 0-2

**York Sample ID:** 23A0263-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0263

21003-0004

Soil

January 5, 2023 9:05 am

01/05/2023

### Volatile Organics, 8260 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.                     | Parameter                                  | Result        | Flag | Units                   | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                                 | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|--------------------------------------------|---------------|------|-------------------------|------------------------|--------|----------|----------------------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 108-88-3                    | Toluene                                    | ND            |      | mg/kg dry               | 0.0032                 | 0.0063 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 06:55      | 01/09/2023 19:19      | JTG     |
| 156-60-5                    | trans-1,2-Dichloroethylene                 | ND            |      | mg/kg dry               | 0.0032                 | 0.0063 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 06:55      | 01/09/2023 19:19      | JTG     |
| 10061-02-6                  | trans-1,3-Dichloropropylene                | ND            |      | mg/kg dry               | 0.0032                 | 0.0063 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 06:55      | 01/09/2023 19:19      | JTG     |
| 79-01-6                     | Trichloroethylene                          | ND            |      | mg/kg dry               | 0.0032                 | 0.0063 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 06:55      | 01/09/2023 19:19      | JTG     |
| 75-69-4                     | Trichlorofluoromethane                     | ND            |      | mg/kg dry               | 0.0032                 | 0.0063 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 06:55      | 01/09/2023 19:19      | JTG     |
| 75-01-4                     | Vinyl Chloride                             | ND            |      | mg/kg dry               | 0.0032                 | 0.0063 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 06:55      | 01/09/2023 19:19      | JTG     |
| 1330-20-7                   | Xylenes, Total                             | ND            |      | mg/kg dry               | 0.0095                 | 0.019  | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP     | 01/09/2023 06:55      | 01/09/2023 19:19      | JTG     |
| <b>Surrogate Recoveries</b> |                                            | <b>Result</b> |      | <b>Acceptance Range</b> |                        |        |          |                                                                                  |                       |                       |         |
| 17060-07-0                  | Surrogate: SURRE:<br>1,2-Dichloroethane-d4 | 118 %         |      | 77-125                  |                        |        |          |                                                                                  |                       |                       |         |
| 2037-26-5                   | Surrogate: SURRE: Toluene-d8               | 97.9 %        |      | 85-120                  |                        |        |          |                                                                                  |                       |                       |         |
| 460-00-4                    | Surrogate: SURRE:<br>p-Bromofluorobenzene  | 96.1 %        |      | 76-130                  |                        |        |          |                                                                                  |                       |                       |         |

### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.  | Parameter                             | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|---------------------------------------|--------|------|-----------|------------------------|--------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 92-52-4  | 1,1-Biphenyl                          | ND     |      | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/09/2023 08:41      | 01/10/2023 12:49      | KH      |
| 95-94-3  | 1,2,4,5-Tetrachlorobenzene            | ND     |      | mg/kg dry | 0.0973                 | 0.194  | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/09/2023 08:41      | 01/10/2023 12:49      | KH      |
| 120-82-1 | 1,2,4-Trichlorobenzene                | ND     |      | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 12:49      | KH      |
| 95-50-1  | 1,2-Dichlorobenzene                   | ND     |      | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP                     | 01/09/2023 08:41      | 01/10/2023 12:49      | KH      |
| 122-66-7 | 1,2-Diphenylhydrazine (as Azobenzene) | ND     |      | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/09/2023 08:41      | 01/10/2023 12:49      | KH      |
| 541-73-1 | 1,3-Dichlorobenzene                   | ND     |      | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP                     | 01/09/2023 08:41      | 01/10/2023 12:49      | KH      |
| 106-46-7 | 1,4-Dichlorobenzene                   | ND     |      | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP                     | 01/09/2023 08:41      | 01/10/2023 12:49      | KH      |
| 58-90-2  | 2,3,4,6-Tetrachlorophenol             | ND     |      | mg/kg dry | 0.0973                 | 0.194  | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/09/2023 08:41      | 01/10/2023 12:49      | KH      |
| 95-95-4  | 2,4,5-Trichlorophenol                 | ND     |      | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 12:49      | KH      |
| 88-06-2  | 2,4,6-Trichlorophenol                 | ND     |      | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 12:49      | KH      |



## Sample Information

**Client Sample ID:** B-1W 0-2

**York Sample ID:** 23A0263-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0263

21003-0004

Soil

January 5, 2023 9:05 am

01/05/2023

### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.    | Parameter                   | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method             | Date/Time<br>Prepared                                       | Date/Time<br>Analyzed | Analyst |
|------------|-----------------------------|--------|------|-----------|------------------------|--------|----------|------------------------------|-------------------------------------------------------------|-----------------------|---------|
| 120-83-2   | 2,4-Dichlorophenol          | ND     |      | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 12:49      | KH      |
| 105-67-9   | 2,4-Dimethylphenol          | ND     |      | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 12:49      | KH      |
| 51-28-5    | 2,4-Dinitrophenol           | ND     |      | mg/kg dry | 0.0973                 | 0.194  | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 12:49      | KH      |
| 121-14-2   | 2,4-Dinitrotoluene          | ND     |      | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 12:49      | KH      |
| 606-20-2   | 2,6-Dinitrotoluene          | ND     |      | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 12:49      | KH      |
| 91-58-7    | 2-Chloronaphthalene         | ND     |      | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 12:49      | KH      |
| 95-57-8    | 2-Chlorophenol              | ND     |      | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 12:49      | KH      |
| 91-57-6    | 2-Methylnaphthalene         | ND     |      | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 12:49      | KH      |
| 95-48-7    | 2-Methylphenol              | ND     |      | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 12:49      | KH      |
| 88-74-4    | 2-Nitroaniline              | ND     |      | mg/kg dry | 0.0973                 | 0.194  | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 12:49      | KH      |
| 88-75-5    | 2-Nitrophenol               | ND     |      | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 12:49      | KH      |
| 65794-96-9 | 3- & 4-Methylphenols        | ND     |      | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 12:49      | KH      |
| 91-94-1    | 3,3-Dichlorobenzidine       | ND     |      | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>NELAC-NY10854,NJDEP,PADEP               | 01/10/2023 12:49      | KH      |
| 99-09-2    | 3-Nitroaniline              | ND     |      | mg/kg dry | 0.0973                 | 0.194  | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 12:49      | KH      |
| 534-52-1   | 4,6-Dinitro-2-methylphenol  | ND     |      | mg/kg dry | 0.0973                 | 0.194  | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 12:49      | KH      |
| 101-55-3   | 4-Bromophenyl phenyl ether  | ND     |      | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 12:49      | KH      |
| 59-50-7    | 4-Chloro-3-methylphenol     | ND     |      | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 12:49      | KH      |
| 106-47-8   | 4-Chloroaniline             | ND     |      | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 12:49      | KH      |
| 7005-72-3  | 4-Chlorophenyl phenyl ether | ND     |      | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 12:49      | KH      |
| 100-01-6   | 4-Nitroaniline              | ND     |      | mg/kg dry | 0.0973                 | 0.194  | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 12:49      | KH      |
| 100-02-7   | 4-Nitrophenol               | ND     |      | mg/kg dry | 0.0973                 | 0.194  | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 12:49      | KH      |
| 83-32-9    | Acenaphthene                | ND     |      | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 12:49      | KH      |
| 208-96-8   | Acenaphthylene              | 0.0746 | J    | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: | 01/09/2023 08:41<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 12:49      | KH      |



## Sample Information

**Client Sample ID:** B-1W 0-2

**York Sample ID:** 23A0263-03

York Project (SDG) No.  
23A0263

Client Project ID  
21003-0004

Matrix  
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Collection Date/Time  
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Date Received  
01/05/2023

### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.   | Parameter                         | Result        | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------------------------------|---------------|------|-----------|------------------------|--------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 98-86-2   | Acetophenone                      | ND            |      | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/09/2023 08:41      | 01/10/2023 12:49      | KH      |
| 62-53-3   | Aniline                           | ND            |      | mg/kg dry | 0.195                  | 0.390  | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/09/2023 08:41      | 01/10/2023 12:49      | KH      |
| 120-12-7  | <b>Anthracene</b>                 | <b>0.0638</b> | J    | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 12:49      | KH      |
| 1912-24-9 | Atrazine                          | ND            |      | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/09/2023 08:41      | 01/10/2023 12:49      | KH      |
| 100-52-7  | Benzaldehyde                      | ND            |      | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/09/2023 08:41      | 01/10/2023 12:49      | KH      |
| 92-87-5   | Benzidine                         | ND            |      | mg/kg dry | 0.195                  | 0.390  | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 12:49      | KH      |
| 56-55-3   | <b>Benzo(a)anthracene</b>         | <b>0.211</b>  |      | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 12:49      | KH      |
| 50-32-8   | <b>Benzo(a)pyrene</b>             | <b>0.246</b>  |      | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 12:49      | KH      |
| 205-99-2  | <b>Benzo(b)fluoranthene</b>       | <b>0.268</b>  |      | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 12:49      | KH      |
| 191-24-2  | <b>Benzo(g,h,i)perylene</b>       | <b>0.278</b>  |      | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 12:49      | KH      |
| 207-08-9  | <b>Benzo(k)fluoranthene</b>       | <b>0.258</b>  |      | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 12:49      | KH      |
| 65-85-0   | Benzoic acid                      | ND            |      | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/09/2023 08:41      | 01/10/2023 12:49      | KH      |
| 100-51-6  | Benzyl alcohol                    | ND            |      | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/09/2023 08:41      | 01/10/2023 12:49      | KH      |
| 85-68-7   | <b>Benzyl butyl phthalate</b>     | <b>6.24</b>   |      | mg/kg dry | 0.122                  | 0.243  | 5        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/11/2023 13:22      | KH      |
| 111-91-1  | Bis(2-chloroethoxy)methane        | ND            |      | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 12:49      | KH      |
| 111-44-4  | Bis(2-chloroethyl)ether           | ND            |      | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 12:49      | KH      |
| 108-60-1  | Bis(2-chloroisopropyl)ether       | ND            |      | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 12:49      | KH      |
| 117-81-7  | <b>Bis(2-ethylhexyl)phthalate</b> | <b>0.397</b>  |      | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 12:49      | KH      |
| 105-60-2  | Caprolactam                       | ND            |      | mg/kg dry | 0.0973                 | 0.194  | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/09/2023 08:41      | 01/10/2023 12:49      | KH      |
| 86-74-8   | Carbazole                         | ND            |      | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 12:49      | KH      |
| 218-01-9  | <b>Chrysene</b>                   | <b>0.250</b>  |      | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 12:49      | KH      |
| 53-70-3   | <b>Dibenzo(a,h)anthracene</b>     | <b>0.0622</b> | J    | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 12:49      | KH      |
| 132-64-9  | Dibenzofuran                      | ND            |      | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 12:49      | KH      |



## Sample Information

**Client Sample ID:** B-1W 0-2

**York Sample ID:** 23A0263-03

York Project (SDG) No.  
23A0263

Client Project ID  
21003-0004

Matrix  
Soil

Collection Date/Time  
January 5, 2023 9:05 am

Date Received  
01/05/2023

### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                        | Result        | Flag                    | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|----------------------------------|---------------|-------------------------|-----------|------------------------|--------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 84-66-2                     | Diethyl phthalate                | ND            |                         | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 12:49      | KH      |
| 131-11-3                    | Dimethyl phthalate               | ND            |                         | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 12:49      | KH      |
| 84-74-2                     | <b>Di-n-butyl phthalate</b>      | <b>0.884</b>  |                         | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 12:49      | KH      |
| 117-84-0                    | Di-n-octyl phthalate             | ND            |                         | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 12:49      | KH      |
| 206-44-0                    | <b>Fluoranthene</b>              | <b>0.446</b>  |                         | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 12:49      | KH      |
| 86-73-7                     | Fluorene                         | ND            |                         | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/09/2023 08:41      | 01/10/2023 12:49      | KH      |
| 118-74-1                    | Hexachlorobenzene                | ND            |                         | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 12:49      | KH      |
| 87-68-3                     | Hexachlorobutadiene              | ND            |                         | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 12:49      | KH      |
| 77-47-4                     | Hexachlorocyclopentadiene        | ND            |                         | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 12:49      | KH      |
| 67-72-1                     | Hexachloroethane                 | ND            |                         | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 12:49      | KH      |
| 193-39-5                    | <b>Indeno(1,2,3-cd)pyrene</b>    | <b>0.177</b>  |                         | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 12:49      | KH      |
| 78-59-1                     | Isophorone                       | ND            |                         | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 12:49      | KH      |
| 91-20-3                     | Naphthalene                      | ND            |                         | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 12:49      | KH      |
| 98-95-3                     | Nitrobenzene                     | ND            |                         | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 12:49      | KH      |
| 62-75-9                     | N-Nitrosodimethylamine           | ND            |                         | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 12:49      | KH      |
| 621-64-7                    | N-nitroso-di-n-propylamine       | ND            |                         | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 12:49      | KH      |
| 86-30-6                     | N-Nitrosodiphenylamine           | ND            |                         | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 12:49      | KH      |
| 87-86-5                     | Pentachlorophenol                | ND            |                         | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 12:49      | KH      |
| 85-01-8                     | <b>Phenanthrene</b>              | <b>0.193</b>  |                         | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 12:49      | KH      |
| 108-95-2                    | Phenol                           | ND            |                         | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 12:49      | KH      |
| 129-00-0                    | <b>Pyrene</b>                    | <b>0.317</b>  |                         | mg/kg dry | 0.0488                 | 0.0973 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:41      | 01/10/2023 12:49      | KH      |
| <b>Surrogate Recoveries</b> |                                  | <b>Result</b> | <b>Acceptance Range</b> |           |                        |        |          |                                                                      |                       |                       |         |
| 367-12-4                    | Surrogate: SURR: 2-Fluorophenol  | 57.7 %        | 20-108                  |           |                        |        |          |                                                                      |                       |                       |         |
| 4165-62-2                   | Surrogate: SURR: Phenol-d5       | 64.0 %        | 23-114                  |           |                        |        |          |                                                                      |                       |                       |         |
| 4165-60-0                   | Surrogate: SURR: Nitrobenzene-d5 | 72.7 %        | 22-108                  |           |                        |        |          |                                                                      |                       |                       |         |





## Sample Information

**Client Sample ID:** B-1W 0-2

**York Sample ID:** 23A0263-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0263

21003-0004

Soil

January 5, 2023 9:05 am

01/05/2023

### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.   | Parameter                                | Result | Flag | Units | Reported to<br>LOD/MDL | LOQ | Dilution | Reference Method | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|------------------------------------------|--------|------|-------|------------------------|-----|----------|------------------|-----------------------|-----------------------|---------|
| 321-60-8  | Surrogate: SURR: 2-Fluorobiphenyl        | 64.3 % |      |       | 21-113                 |     |          |                  |                       |                       |         |
| 118-79-6  | Surrogate: SURR:<br>2,4,6-Tribromophenol | 90.8 % |      |       | 19-110                 |     |          |                  |                       |                       |         |
| 1718-51-0 | Surrogate: SURR: Terphenyl-d14           | 81.4 % |      |       | 24-116                 |     |          |                  |                       |                       |         |

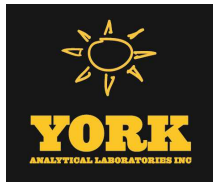
### Pesticides, 8081 target list

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.    | Parameter           | Result | Flag | Units     | Reported to<br>LOQ | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|---------------------|--------|------|-----------|--------------------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 72-54-8    | 4,4'-DDD            | ND     |      | mg/kg dry | 0.00191            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/07/2023 09:07      | 01/13/2023 03:30      | BJ      |
| 72-55-9    | 4,4'-DDE            | ND     |      | mg/kg dry | 0.00191            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/07/2023 09:07      | 01/13/2023 03:30      | BJ      |
| 50-29-3    | 4,4'-DDT            | ND     |      | mg/kg dry | 0.00191            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/07/2023 09:07      | 01/13/2023 03:30      | BJ      |
| 309-00-2   | Aldrin              | ND     |      | mg/kg dry | 0.00191            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/07/2023 09:07      | 01/13/2023 03:30      | BJ      |
| 319-84-6   | alpha-BHC           | ND     |      | mg/kg dry | 0.00191            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/07/2023 09:07      | 01/13/2023 03:30      | BJ      |
| 5103-71-9  | alpha-Chlordane     | ND     |      | mg/kg dry | 0.00191            | 5        | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP                     | 01/07/2023 09:07      | 01/13/2023 03:30      | BJ      |
| 319-85-7   | beta-BHC            | ND     |      | mg/kg dry | 0.00191            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/07/2023 09:07      | 01/13/2023 03:30      | BJ      |
| 12789-03-6 | Chlordane, total    | ND     |      | mg/kg dry | 0.0381             | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/07/2023 09:07      | 01/13/2023 03:30      | BJ      |
| 319-86-8   | delta-BHC           | ND     |      | mg/kg dry | 0.00191            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/07/2023 09:07      | 01/13/2023 03:30      | BJ      |
| 60-57-1    | Dieldrin            | ND     |      | mg/kg dry | 0.00191            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/07/2023 09:07      | 01/13/2023 03:30      | BJ      |
| 959-98-8   | Endosulfan I        | ND     |      | mg/kg dry | 0.00191            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/07/2023 09:07      | 01/13/2023 03:30      | BJ      |
| 33213-65-9 | Endosulfan II       | ND     |      | mg/kg dry | 0.00191            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854             | 01/07/2023 09:07      | 01/13/2023 03:30      | BJ      |
| 1031-07-8  | Endosulfan sulfate  | ND     |      | mg/kg dry | 0.00191            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/07/2023 09:07      | 01/13/2023 03:30      | BJ      |
| 72-20-8    | Endrin              | ND     |      | mg/kg dry | 0.00191            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/07/2023 09:07      | 01/13/2023 03:30      | BJ      |
| 7421-93-4  | Endrin aldehyde     | ND     |      | mg/kg dry | 0.00191            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/07/2023 09:07      | 01/13/2023 03:30      | BJ      |
| 53494-70-5 | Endrin ketone       | ND     |      | mg/kg dry | 0.00191            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/07/2023 09:07      | 01/13/2023 03:30      | BJ      |
| 58-89-9    | gamma-BHC (Lindane) | ND     |      | mg/kg dry | 0.00191            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/07/2023 09:07      | 01/13/2023 03:30      | BJ      |
| 5566-34-7  | gamma-Chlordane     | ND     |      | mg/kg dry | 0.00191            | 5        | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP                     | 01/07/2023 09:07      | 01/13/2023 03:30      | BJ      |



## Sample Information

**Client Sample ID:** B-1W 0-2

**York Sample ID:** 23A0263-03

York Project (SDG) No.

23A0263

Client Project ID

21003-0004

Matrix

Soil

Collection Date/Time

January 5, 2023 9:05 am

Date Received

01/05/2023

### Pesticides, 8081 target list

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                       | Result        | Flag | Units                   | Reported to LOQ | Dilution | Reference Method                                                     | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|------|-------------------------|-----------------|----------|----------------------------------------------------------------------|--------------------|--------------------|---------|
| 76-44-8                     | Heptachlor                      | ND            |      | mg/kg dry               | 0.00191         | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/07/2023 09:07   | 01/13/2023 03:30   | BJ      |
| 1024-57-3                   | Heptachlor epoxide              | ND            |      | mg/kg dry               | 0.00191         | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/07/2023 09:07   | 01/13/2023 03:30   | BJ      |
| 72-43-5                     | Methoxychlor                    | ND            |      | mg/kg dry               | 0.00953         | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/07/2023 09:07   | 01/13/2023 03:30   | BJ      |
| 8001-35-2                   | Toxaphene                       | ND            |      | mg/kg dry               | 0.0964          | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/07/2023 09:07   | 01/13/2023 03:30   | BJ      |
| <b>Surrogate Recoveries</b> |                                 | <b>Result</b> |      | <b>Acceptance Range</b> |                 |          |                                                                      |                    |                    |         |
| 2051-24-3                   | Surrogate: Decachlorobiphenyl   | 52.9 %        |      | 30-150                  |                 |          |                                                                      |                    |                    |         |
| 877-09-8                    | Surrogate: Tetrachloro-m-xylene | 60.6 %        |      | 30-150                  |                 |          |                                                                      |                    |                    |         |

### Polychlorinated Biphenyls (PCB)

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

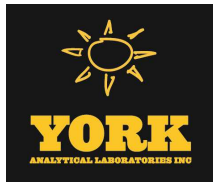
| CAS No.                     | Parameter                       | Result        | Flag | Units                   | Reported to LOQ | Dilution | Reference Method                                                     | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|------|-------------------------|-----------------|----------|----------------------------------------------------------------------|--------------------|--------------------|---------|
| 12674-11-2                  | Aroclor 1016                    | ND            |      | mg/kg dry               | 0.0192          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/07/2023 09:07   | 01/12/2023 01:17   | BJ      |
| 11104-28-2                  | Aroclor 1221                    | ND            |      | mg/kg dry               | 0.0192          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/07/2023 09:07   | 01/12/2023 01:17   | BJ      |
| 11141-16-5                  | Aroclor 1232                    | ND            |      | mg/kg dry               | 0.0192          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/07/2023 09:07   | 01/12/2023 01:17   | BJ      |
| 53469-21-9                  | Aroclor 1242                    | ND            |      | mg/kg dry               | 0.0192          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/07/2023 09:07   | 01/12/2023 01:17   | BJ      |
| 12672-29-6                  | Aroclor 1248                    | ND            |      | mg/kg dry               | 0.0192          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/07/2023 09:07   | 01/12/2023 01:17   | BJ      |
| 11097-69-1                  | Aroclor 1254                    | ND            |      | mg/kg dry               | 0.0192          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/07/2023 09:07   | 01/12/2023 01:17   | BJ      |
| 11096-82-5                  | <b>Aroclor 1260</b>             | <b>0.402</b>  |      | mg/kg dry               | 0.0192          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/07/2023 09:07   | 01/12/2023 01:17   | BJ      |
| 37324-23-5                  | Aroclor 1262                    | ND            |      | mg/kg dry               | 0.0192          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/07/2023 09:07   | 01/12/2023 01:17   | BJ      |
| 11100-14-4                  | Aroclor 1268                    | ND            |      | mg/kg dry               | 0.0192          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/07/2023 09:07   | 01/12/2023 01:17   | BJ      |
| 1336-36-3                   | <b>* Total PCBs</b>             | <b>0.402</b>  |      | mg/kg dry               | 0.0192          | 1        | EPA 8082A<br>Certifications:                                         | 01/07/2023 09:07   | 01/12/2023 01:17   | BJ      |
| <b>Surrogate Recoveries</b> |                                 | <b>Result</b> |      | <b>Acceptance Range</b> |                 |          |                                                                      |                    |                    |         |
| 877-09-8                    | Surrogate: Tetrachloro-m-xylene | 69.5 %        |      | 30-140                  |                 |          |                                                                      |                    |                    |         |
| 2051-24-3                   | Surrogate: Decachlorobiphenyl   | 60.5 %        |      | 30-140                  |                 |          |                                                                      |                    |                    |         |

### Metals, Target Analyte

### Log-in Notes:

### Sample Notes:





## Sample Information

**Client Sample ID:** B-1W 0-2

**York Sample ID:** 23A0263-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0263

21003-0004

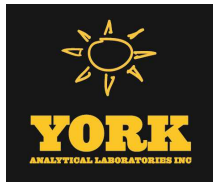
Soil

January 5, 2023 9:05 am

01/05/2023

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter | Result | Flag | Units     | Reported to LOQ | Dilution | Reference Method                                                     | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|-----------------|----------|----------------------------------------------------------------------|--------------------|--------------------|---------|
| 7429-90-5 | Aluminum  | 7100   |      | mg/kg dry | 4.88            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23   | 01/11/2023 12:35   | CW      |
| 7440-36-0 | Antimony  | 3.60   |      | mg/kg dry | 2.44            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23   | 01/11/2023 12:35   | CW      |
| 7440-38-2 | Arsenic   | 4.18   |      | mg/kg dry | 1.46            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23   | 01/11/2023 12:35   | CW      |
| 7440-39-3 | Barium    | 135    |      | mg/kg dry | 2.43            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23   | 01/11/2023 12:35   | CW      |
| 7440-41-7 | Beryllium | 0.292  |      | mg/kg dry | 0.049           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23   | 01/11/2023 12:35   | CW      |
| 7440-43-9 | Cadmium   | 2.41   |      | mg/kg dry | 0.293           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23   | 01/11/2023 12:35   | CW      |
| 7440-70-2 | Calcium   | 10800  |      | mg/kg dry | 4.88            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23   | 01/11/2023 12:35   | CW      |
| 7440-47-3 | Chromium  | 50.5   |      | mg/kg dry | 0.488           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23   | 01/11/2023 12:35   | CW      |
| 7440-48-4 | Cobalt    | 3.55   |      | mg/kg dry | 0.390           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23   | 01/11/2023 12:35   | CW      |
| 7440-50-8 | Copper    | 66.9   |      | mg/kg dry | 1.95            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23   | 01/11/2023 12:35   | CW      |
| 7439-89-6 | Iron      | 20000  |      | mg/kg dry | 24.4            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23   | 01/11/2023 12:35   | CW      |
| 7439-92-1 | Lead      | 785    |      | mg/kg dry | 0.488           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23   | 01/11/2023 12:35   | CW      |
| 7439-95-4 | Magnesium | 4990   |      | mg/kg dry | 4.88            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23   | 01/11/2023 12:35   | CW      |
| 7439-96-5 | Manganese | 104    |      | mg/kg dry | 0.488           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23   | 01/11/2023 12:35   | CW      |
| 7440-02-0 | Nickel    | 28.7   |      | mg/kg dry | 0.971           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23   | 01/11/2023 12:35   | CW      |
| 7440-09-7 | Potassium | 347    | B    | mg/kg dry | 4.88            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23   | 01/11/2023 12:35   | CW      |
| 7782-49-2 | Selenium  | ND     |      | mg/kg dry | 2.44            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23   | 01/11/2023 12:35   | CW      |
| 7440-22-4 | Silver    | ND     |      | mg/kg dry | 0.492           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23   | 01/11/2023 12:35   | CW      |
| 7440-23-5 | Sodium    | 68.2   |      | mg/kg dry | 48.8            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23   | 01/11/2023 12:35   | CW      |
| 7440-28-0 | Thallium  | ND     |      | mg/kg dry | 2.44            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23   | 01/11/2023 12:35   | CW      |
| 7440-62-2 | Vanadium  | 20.5   |      | mg/kg dry | 0.971           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23   | 01/11/2023 12:35   | CW      |
| 7440-66-6 | Zinc      | 2990   |      | mg/kg dry | 2.43            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23   | 01/11/2023 12:35   | CW      |



## Sample Information

**Client Sample ID:** B-1W 0-2

**York Sample ID:** 23A0263-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0263

21003-0004

Soil

January 5, 2023 9:05 am

01/05/2023

### Mercury by 7473

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 7473 soil

| CAS No.   | Parameter | Result | Flag | Units     | Reported to<br>LOQ | Dilution | Reference Method                                                    | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|--------------------|----------|---------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7439-97-6 | Mercury   | 0.340  |      | mg/kg dry | 0.0351             | 1        | EPA 7473<br>Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP | 01/09/2023 09:22      | 01/09/2023 14:19      | MR      |

### Total Solids

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: % Solids Prep

| CAS No. | Parameter  | Result | Flag | Units | Reported to<br>LOQ | Dilution | Reference Method                          | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|------------|--------|------|-------|--------------------|----------|-------------------------------------------|-----------------------|-----------------------|---------|
| solids  | * % Solids | 85.5   |      | %     | 0.100              | 1        | SM 2540G<br>Certifications: CTDOH-PH-0723 | 01/06/2023 19:18      | 01/06/2023 21:36      | AGNR    |

## Sample Information

**Client Sample ID:** B-1W 2-4

**York Sample ID:** 23A0263-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0263

21003-0004

Soil

January 5, 2023 9:22 am

01/05/2023

### Volatile Organics, 8260 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.  | Parameter                                            | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                                 | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|------------------------------------------------------|--------|------|-----------|------------------------|--------|----------|----------------------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 630-20-6 | 1,1,1,2-Tetrachloroethane                            | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 06:55      | 01/09/2023 19:48      | JTG     |
| 71-55-6  | 1,1,1-Trichloroethane                                | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 06:55      | 01/09/2023 19:48      | JTG     |
| 79-34-5  | 1,1,2,2-Tetrachloroethane                            | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 06:55      | 01/09/2023 19:48      | JTG     |
| 76-13-1  | 1,1,2-Trichloro-1,2,2-trifluoroethane<br>(Freon 113) | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP     | 01/09/2023 06:55      | 01/09/2023 19:48      | JTG     |
| 79-00-5  | 1,1,2-Trichloroethane                                | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 06:55      | 01/09/2023 19:48      | JTG     |
| 75-34-3  | 1,1-Dichloroethane                                   | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 06:55      | 01/09/2023 19:48      | JTG     |
| 75-35-4  | 1,1-Dichloroethylene                                 | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 06:55      | 01/09/2023 19:48      | JTG     |
| 87-61-6  | 1,2,3-Trichlorobenzene                               | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/09/2023 06:55      | 01/09/2023 19:48      | JTG     |
| 96-18-4  | 1,2,3-Trichloropropane                               | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP                   | 01/09/2023 06:55      | 01/09/2023 19:48      | JTG     |
| 120-82-1 | 1,2,4-Trichlorobenzene                               | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/09/2023 06:55      | 01/09/2023 19:48      | JTG     |



## Sample Information

**Client Sample ID:** B-1W 2-4

**York Sample ID:** 23A0263-04

York Project (SDG) No.  
23A0263

Client Project ID  
21003-0004

Matrix  
Soil

Collection Date/Time  
January 5, 2023 9:22 am

Date Received  
01/05/2023

### Volatile Organics, 8260 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.  | Parameter                   | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|-----------------------------|--------|------|-----------|------------------------|--------|----------|------------------------------|-----------------------|-----------------------|---------|
| 95-63-6  | 1,2,4-Trimethylbenzene      | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 19:48      | JTG     |
| 96-12-8  | 1,2-Dibromo-3-chloropropane | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 19:48      | JTG     |
| 106-93-4 | 1,2-Dibromoethane           | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 19:48      | JTG     |
| 95-50-1  | 1,2-Dichlorobenzene         | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 19:48      | JTG     |
| 107-06-2 | 1,2-Dichloroethane          | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 19:48      | JTG     |
| 78-87-5  | 1,2-Dichloropropane         | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 19:48      | JTG     |
| 108-67-8 | 1,3,5-Trimethylbenzene      | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 19:48      | JTG     |
| 541-73-1 | 1,3-Dichlorobenzene         | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 19:48      | JTG     |
| 106-46-7 | 1,4-Dichlorobenzene         | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 19:48      | JTG     |
| 123-91-1 | 1,4-Dioxane                 | ND     |      | mg/kg dry | 0.047                  | 0.093  | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 19:48      | JTG     |
| 78-93-3  | 2-Butanone                  | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 19:48      | JTG     |
| 591-78-6 | 2-Hexanone                  | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 19:48      | JTG     |
| 108-10-1 | 4-Methyl-2-pentanone        | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 19:48      | JTG     |
| 67-64-1  | Acetone                     | 0.031  | CCVE | mg/kg dry | 0.0047                 | 0.0093 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 19:48      | JTG     |
| 107-02-8 | Acrolein                    | ND     |      | mg/kg dry | 0.0047                 | 0.0093 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 19:48      | JTG     |
| 107-13-1 | Acrylonitrile               | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 19:48      | JTG     |
| 71-43-2  | Benzene                     | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 19:48      | JTG     |
| 74-97-5  | Bromochloromethane          | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 19:48      | JTG     |
| 75-27-4  | Bromodichloromethane        | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 19:48      | JTG     |
| 75-25-2  | Bromoform                   | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 19:48      | JTG     |
| 74-83-9  | Bromomethane                | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 19:48      | JTG     |
| 75-15-0  | Carbon disulfide            | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 19:48      | JTG     |
| 56-23-5  | Carbon tetrachloride        | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55      | 01/09/2023 19:48      | JTG     |



## Sample Information

**Client Sample ID:** B-1W 2-4

**York Sample ID:** 23A0263-04

York Project (SDG) No.  
23A0263

Client Project ID  
21003-0004

Matrix  
Soil

Collection Date/Time  
January 5, 2023 9:22 am

Date Received  
01/05/2023

### Volatile Organics, 8260 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.     | Parameter                      | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method             | Date/Time<br>Prepared                                                   | Date/Time<br>Analyzed | Analyst |
|-------------|--------------------------------|--------|------|-----------|------------------------|--------|----------|------------------------------|-------------------------------------------------------------------------|-----------------------|---------|
| 108-90-7    | Chlorobenzene                  | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 19:48      | JTG     |
| 75-00-3     | Chloroethane                   | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 19:48      | JTG     |
| 67-66-3     | Chloroform                     | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 19:48      | JTG     |
| 74-87-3     | Chloromethane                  | ND     | CCVE | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 19:48      | JTG     |
| 156-59-2    | cis-1,2-Dichloroethylene       | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 19:48      | JTG     |
| 10061-01-5  | cis-1,3-Dichloropropylene      | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 19:48      | JTG     |
| 110-82-7    | Cyclohexane                    | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55<br>NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/09/2023 19:48      | JTG     |
| 124-48-1    | Dibromochloromethane           | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55<br>NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/09/2023 19:48      | JTG     |
| 74-95-3     | Dibromomethane                 | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55<br>NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/09/2023 19:48      | JTG     |
| 75-71-8     | Dichlorodifluoromethane        | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55<br>NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/09/2023 19:48      | JTG     |
| 100-41-4    | Ethyl Benzene                  | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 19:48      | JTG     |
| 87-68-3     | Hexachlorobutadiene            | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55<br>NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/09/2023 19:48      | JTG     |
| 98-82-8     | Isopropylbenzene               | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 19:48      | JTG     |
| 79-20-9     | Methyl acetate                 | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55<br>NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/09/2023 19:48      | JTG     |
| 1634-04-4   | Methyl tert-butyl ether (MTBE) | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 19:48      | JTG     |
| 108-87-2    | Methylcyclohexane              | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55<br>NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/09/2023 19:48      | JTG     |
| 75-09-2     | Methylene chloride             | ND     |      | mg/kg dry | 0.0047                 | 0.0093 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 19:48      | JTG     |
| 104-51-8    | n-Butylbenzene                 | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 19:48      | JTG     |
| 103-65-1    | n-Propylbenzene                | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 19:48      | JTG     |
| 95-47-6     | o-Xylene                       | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP     | 01/09/2023 19:48      | JTG     |
| 179601-23-1 | p- & m- Xylenes                | ND     |      | mg/kg dry | 0.0047                 | 0.0093 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP     | 01/09/2023 19:48      | JTG     |
| 99-87-6     | p-Isopropyltoluene             | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 19:48      | JTG     |
| 135-98-8    | sec-Butylbenzene               | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/09/2023 06:55<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 19:48      | JTG     |



## Sample Information

**Client Sample ID:** B-1W 2-4

**York Sample ID:** 23A0263-04

York Project (SDG) No.  
23A0263

Client Project ID  
21003-0004

Matrix  
Soil

Collection Date/Time  
January 5, 2023 9:22 am

Date Received  
01/05/2023

### Volatile Organics, 8260 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.                     | Parameter                                  | Result        | Flag                    | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                                 | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|--------------------------------------------|---------------|-------------------------|-----------|------------------------|--------|----------|----------------------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 100-42-5                    | Styrene                                    | ND            |                         | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 06:55      | 01/09/2023 19:48      | JTG     |
| 75-65-0                     | tert-Butyl alcohol (TBA)                   | ND            |                         | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/09/2023 06:55      | 01/09/2023 19:48      | JTG     |
| 98-06-6                     | tert-Butylbenzene                          | ND            |                         | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 06:55      | 01/09/2023 19:48      | JTG     |
| 127-18-4                    | Tetrachloroethylene                        | ND            |                         | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 06:55      | 01/09/2023 19:48      | JTG     |
| 108-88-3                    | Toluene                                    | ND            |                         | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 06:55      | 01/09/2023 19:48      | JTG     |
| 156-60-5                    | trans-1,2-Dichloroethylene                 | ND            |                         | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 06:55      | 01/09/2023 19:48      | JTG     |
| 10061-02-6                  | trans-1,3-Dichloropropylene                | ND            |                         | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 06:55      | 01/09/2023 19:48      | JTG     |
| 79-01-6                     | Trichloroethylene                          | ND            |                         | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 06:55      | 01/09/2023 19:48      | JTG     |
| 75-69-4                     | Trichlorofluoromethane                     | ND            |                         | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 06:55      | 01/09/2023 19:48      | JTG     |
| 75-01-4                     | Vinyl Chloride                             | ND            |                         | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/09/2023 06:55      | 01/09/2023 19:48      | JTG     |
| 1330-20-7                   | Xylenes, Total                             | ND            |                         | mg/kg dry | 0.0070                 | 0.014  | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP     | 01/09/2023 06:55      | 01/09/2023 19:48      | JTG     |
| <b>Surrogate Recoveries</b> |                                            | <b>Result</b> | <b>Acceptance Range</b> |           |                        |        |          |                                                                                  |                       |                       |         |
| 17060-07-0                  | Surrogate: SURRE:<br>1,2-Dichloroethane-d4 | 115 %         | 77-125                  |           |                        |        |          |                                                                                  |                       |                       |         |
| 2037-26-5                   | Surrogate: SURRE: Toluene-d8               | 96.8 %        | 85-120                  |           |                        |        |          |                                                                                  |                       |                       |         |
| 460-00-4                    | Surrogate: SURRE:<br>p-Bromofluorobenzene  | 93.9 %        | 76-130                  |           |                        |        |          |                                                                                  |                       |                       |         |

### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.  | Parameter                             | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|---------------------------------------|--------|------|-----------|------------------------|--------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 92-52-4  | 1,1-Biphenyl                          | ND     |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 95-94-3  | 1,2,4,5-Tetrachlorobenzene            | ND     |      | mg/kg dry | 0.0889                 | 0.178  | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 120-82-1 | 1,2,4-Trichlorobenzene                | ND     |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 95-50-1  | 1,2-Dichlorobenzene                   | ND     |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP                     | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 122-66-7 | 1,2-Diphenylhydrazine (as Azobenzene) | ND     |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 541-73-1 | 1,3-Dichlorobenzene                   | ND     |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP                     | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |



## Sample Information

**Client Sample ID:** B-1W 2-4

**York Sample ID:** 23A0263-04

York Project (SDG) No.  
23A0263

Client Project ID  
21003-0004

Matrix  
Soil

Collection Date/Time  
January 5, 2023 9:22 am

Date Received  
01/05/2023

### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.    | Parameter                   | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|-----------------------------|--------|------|-----------|------------------------|--------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 106-46-7   | 1,4-Dichlorobenzene         | ND     |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP                     | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 58-90-2    | 2,3,4,6-Tetrachlorophenol   | ND     |      | mg/kg dry | 0.0889                 | 0.178  | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 95-95-4    | 2,4,5-Trichlorophenol       | ND     |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 88-06-2    | 2,4,6-Trichlorophenol       | ND     |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 120-83-2   | 2,4-Dichlorophenol          | ND     |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 105-67-9   | 2,4-Dimethylphenol          | ND     |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 51-28-5    | 2,4-Dinitrophenol           | ND     |      | mg/kg dry | 0.0889                 | 0.178  | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 121-14-2   | 2,4-Dinitrotoluene          | ND     |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 606-20-2   | 2,6-Dinitrotoluene          | ND     |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 91-58-7    | 2-Chloronaphthalene         | ND     |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 95-57-8    | 2-Chlorophenol              | ND     |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 91-57-6    | 2-Methylnaphthalene         | ND     |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 95-48-7    | 2-Methylphenol              | ND     |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 88-74-4    | 2-Nitroaniline              | ND     |      | mg/kg dry | 0.0889                 | 0.178  | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 88-75-5    | 2-Nitrophenol               | ND     |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 65794-96-9 | 3- & 4-Methylphenols        | ND     |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 91-94-1    | 3,3-Dichlorobenzidine       | ND     |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 99-09-2    | 3-Nitroaniline              | ND     |      | mg/kg dry | 0.0889                 | 0.178  | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 534-52-1   | 4,6-Dinitro-2-methylphenol  | ND     |      | mg/kg dry | 0.0889                 | 0.178  | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 101-55-3   | 4-Bromophenyl phenyl ether  | ND     |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 59-50-7    | 4-Chloro-3-methylphenol     | ND     |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 106-47-8   | 4-Chloroaniline             | ND     |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 7005-72-3  | 4-Chlorophenyl phenyl ether | ND     |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |





## Sample Information

**Client Sample ID:** B-1W 2-4

**York Sample ID:** 23A0263-04

York Project (SDG) No.  
23A0263

Client Project ID  
21003-0004

Matrix  
Soil

Collection Date/Time  
January 5, 2023 9:22 am

Date Received  
01/05/2023

### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.   | Parameter                     | Result       | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-------------------------------|--------------|------|-----------|------------------------|--------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 100-01-6  | 4-Nitroaniline                | ND           |      | mg/kg dry | 0.0889                 | 0.178  | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 100-02-7  | 4-Nitrophenol                 | ND           |      | mg/kg dry | 0.0889                 | 0.178  | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 83-32-9   | Acenaphthene                  | ND           |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 208-96-8  | Acenaphthylene                | ND           |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 98-86-2   | Acetophenone                  | ND           |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 62-53-3   | Aniline                       | ND           |      | mg/kg dry | 0.178                  | 0.356  | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 120-12-7  | Anthracene                    | ND           |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 1912-24-9 | Atrazine                      | ND           |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 100-52-7  | Benzaldehyde                  | ND           |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 92-87-5   | Benzidine                     | ND           |      | mg/kg dry | 0.178                  | 0.356  | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,PADEP       | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 56-55-3   | Benzo(a)anthracene            | ND           |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 50-32-8   | Benzo(a)pyrene                | ND           |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 205-99-2  | Benzo(b)fluoranthene          | ND           |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 191-24-2  | Benzo(g,h,i)perylene          | ND           |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 207-08-9  | Benzo(k)fluoranthene          | ND           |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 65-85-0   | Benzoic acid                  | ND           |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 100-51-6  | Benzyl alcohol                | ND           |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 85-68-7   | <b>Benzyl butyl phthalate</b> | <b>0.212</b> |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 111-91-1  | Bis(2-chloroethoxy)methane    | ND           |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 111-44-4  | Bis(2-chloroethyl)ether       | ND           |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 108-60-1  | Bis(2-chloroisopropyl)ether   | ND           |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 117-81-7  | Bis(2-ethylhexyl)phthalate    | ND           |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 105-60-2  | Caprolactam                   | ND           |      | mg/kg dry | 0.0889                 | 0.178  | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |



## Sample Information

**Client Sample ID:** B-1W 2-4

**York Sample ID:** 23A0263-04

York Project (SDG) No.  
23A0263

Client Project ID  
21003-0004

Matrix  
Soil

Collection Date/Time  
January 5, 2023 9:22 am

Date Received  
01/05/2023

### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.  | Parameter                  | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|----------------------------|--------|------|-----------|------------------------|--------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 86-74-8  | Carbazole                  | ND     |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 218-01-9 | Chrysene                   | ND     |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 53-70-3  | Dibenzo(a,h)anthracene     | ND     |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 132-64-9 | Dibenzofuran               | ND     |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 84-66-2  | Diethyl phthalate          | ND     |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 131-11-3 | Dimethyl phthalate         | ND     |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 84-74-2  | Di-n-butyl phthalate       | ND     |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 117-84-0 | Di-n-octyl phthalate       | ND     |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 206-44-0 | Fluoranthene               | ND     |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 86-73-7  | Fluorene                   | ND     |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 118-74-1 | Hexachlorobenzene          | ND     |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 87-68-3  | Hexachlorobutadiene        | ND     |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 77-47-4  | Hexachlorocyclopentadiene  | ND     |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 67-72-1  | Hexachloroethane           | ND     |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 193-39-5 | Indeno(1,2,3-cd)pyrene     | ND     |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 78-59-1  | Isophorone                 | ND     |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 91-20-3  | Naphthalene                | ND     |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 98-95-3  | Nitrobenzene               | ND     |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 62-75-9  | N-Nitrosodimethylamine     | ND     |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 621-64-7 | N-nitroso-di-n-propylamine | ND     |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 86-30-6  | N-Nitrosodiphenylamine     | ND     |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 87-86-5  | Pentachlorophenol          | ND     |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 85-01-8  | Phenanthrene               | ND     |      | mg/kg dry | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |





## Sample Information

**Client Sample ID:** B-1W 2-4

**York Sample ID:** 23A0263-04

York Project (SDG) No.  
23A0263

Client Project ID  
21003-0004

Matrix  
Soil

Collection Date/Time  
January 5, 2023 9:22 am

Date Received  
01/05/2023

### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                                | Result        | Flag | Units                   | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|------------------------------------------|---------------|------|-------------------------|------------------------|--------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 108-95-2                    | Phenol                                   | ND            |      | mg/kg dry               | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| 129-00-0                    | Pyrene                                   | ND            |      | mg/kg dry               | 0.0445                 | 0.0889 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:43      | 01/10/2023 12:05      | KH      |
| <b>Surrogate Recoveries</b> |                                          | <b>Result</b> |      | <b>Acceptance Range</b> |                        |        |          |                                                                      |                       |                       |         |
| 367-12-4                    | Surrogate: SURR: 2-Fluorophenol          | 44.8 %        |      | 20-108                  |                        |        |          |                                                                      |                       |                       |         |
| 4165-62-2                   | Surrogate: SURR: Phenol-d5               | 47.2 %        |      | 23-114                  |                        |        |          |                                                                      |                       |                       |         |
| 4165-60-0                   | Surrogate: SURR: Nitrobenzene-d5         | 47.5 %        |      | 22-108                  |                        |        |          |                                                                      |                       |                       |         |
| 321-60-8                    | Surrogate: SURR: 2-Fluorobiphenyl        | 50.3 %        |      | 21-113                  |                        |        |          |                                                                      |                       |                       |         |
| 118-79-6                    | Surrogate: SURR:<br>2,4,6-Tribromophenol | 63.5 %        |      | 19-110                  |                        |        |          |                                                                      |                       |                       |         |
| 1718-51-0                   | Surrogate: SURR: Terphenyl-d14           | 63.4 %        |      | 24-116                  |                        |        |          |                                                                      |                       |                       |         |

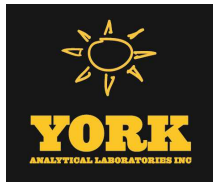
### Pesticides, 8081 target list

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.    | Parameter          | Result         | Flag | Units     | Reported to<br>LOQ | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|--------------------|----------------|------|-----------|--------------------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 72-54-8    | 4,4'-DDD           | ND             |      | mg/kg dry | 0.00174            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/07/2023 09:07      | 01/11/2023 18:04      | BJ      |
| 72-55-9    | 4,4'-DDE           | ND             |      | mg/kg dry | 0.00174            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/07/2023 09:07      | 01/11/2023 18:04      | BJ      |
| 50-29-3    | <b>4,4'-DDT</b>    | <b>0.00373</b> |      | mg/kg dry | 0.00174            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/07/2023 09:07      | 01/11/2023 18:04      | BJ      |
| 309-00-2   | Aldrin             | ND             |      | mg/kg dry | 0.00174            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/07/2023 09:07      | 01/11/2023 18:04      | BJ      |
| 319-84-6   | alpha-BHC          | ND             |      | mg/kg dry | 0.00174            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/07/2023 09:07      | 01/11/2023 18:04      | BJ      |
| 5103-71-9  | alpha-Chlordane    | ND             |      | mg/kg dry | 0.00174            | 5        | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP                     | 01/07/2023 09:07      | 01/11/2023 18:04      | BJ      |
| 319-85-7   | beta-BHC           | ND             |      | mg/kg dry | 0.00174            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/07/2023 09:07      | 01/11/2023 18:04      | BJ      |
| 12789-03-6 | Chlordane, total   | ND             |      | mg/kg dry | 0.0348             | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/07/2023 09:07      | 01/11/2023 18:04      | BJ      |
| 319-86-8   | delta-BHC          | ND             |      | mg/kg dry | 0.00174            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/07/2023 09:07      | 01/11/2023 18:04      | BJ      |
| 60-57-1    | Dieldrin           | ND             |      | mg/kg dry | 0.00174            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/07/2023 09:07      | 01/11/2023 18:04      | BJ      |
| 959-98-8   | Endosulfan I       | ND             |      | mg/kg dry | 0.00174            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/07/2023 09:07      | 01/11/2023 18:04      | BJ      |
| 33213-65-9 | Endosulfan II      | ND             |      | mg/kg dry | 0.00174            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854             | 01/07/2023 09:07      | 01/11/2023 18:04      | BJ      |
| 1031-07-8  | Endosulfan sulfate | ND             |      | mg/kg dry | 0.00174            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/07/2023 09:07      | 01/11/2023 18:04      | BJ      |
| 72-20-8    | Endrin             | ND             |      | mg/kg dry | 0.00174            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/07/2023 09:07      | 01/11/2023 18:04      | BJ      |



## Sample Information

**Client Sample ID:** B-1W 2-4

**York Sample ID:** 23A0263-04

York Project (SDG) No.

23A0263

Client Project ID

21003-0004

Matrix

Soil

Collection Date/Time

January 5, 2023 9:22 am

Date Received

01/05/2023

### Pesticides, 8081 target list

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                       | Result        | Flag | Units                   | Reported to LOQ | Dilution | Reference Method                                                     | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|------|-------------------------|-----------------|----------|----------------------------------------------------------------------|--------------------|--------------------|---------|
| 7421-93-4                   | Endrin aldehyde                 | ND            |      | mg/kg dry               | 0.00174         | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/07/2023 09:07   | 01/11/2023 18:04   | BJ      |
| 53494-70-5                  | Endrin ketone                   | ND            |      | mg/kg dry               | 0.00174         | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/07/2023 09:07   | 01/11/2023 18:04   | BJ      |
| 58-89-9                     | gamma-BHC (Lindane)             | ND            |      | mg/kg dry               | 0.00174         | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/07/2023 09:07   | 01/11/2023 18:04   | BJ      |
| 5566-34-7                   | gamma-Chlordane                 | ND            |      | mg/kg dry               | 0.00174         | 5        | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP                     | 01/07/2023 09:07   | 01/11/2023 18:04   | BJ      |
| 76-44-8                     | Heptachlor                      | ND            |      | mg/kg dry               | 0.00174         | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/07/2023 09:07   | 01/11/2023 18:04   | BJ      |
| 1024-57-3                   | Heptachlor epoxide              | ND            |      | mg/kg dry               | 0.00174         | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/07/2023 09:07   | 01/11/2023 18:04   | BJ      |
| 72-43-5                     | Methoxychlor                    | ND            |      | mg/kg dry               | 0.00870         | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/07/2023 09:07   | 01/11/2023 18:04   | BJ      |
| 8001-35-2                   | Toxaphene                       | ND            |      | mg/kg dry               | 0.0881          | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/07/2023 09:07   | 01/11/2023 18:04   | BJ      |
| <b>Surrogate Recoveries</b> |                                 | <b>Result</b> |      | <b>Acceptance Range</b> |                 |          |                                                                      |                    |                    |         |
| 2051-24-3                   | Surrogate: Decachlorobiphenyl   | 87.5 %        |      |                         |                 |          |                                                                      |                    |                    |         |
| 877-09-8                    | Surrogate: Tetrachloro-m-xylene | 102 %         |      |                         |                 |          |                                                                      |                    |                    |         |

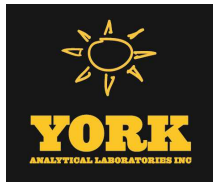
### Polychlorinated Biphenyls (PCB)

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter           | Result        | Flag | Units                   | Reported to LOQ | Dilution | Reference Method                                                     | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---------------------|---------------|------|-------------------------|-----------------|----------|----------------------------------------------------------------------|--------------------|--------------------|---------|
| 12674-11-2                  | Aroclor 1016        | ND            |      | mg/kg dry               | 0.0176          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/07/2023 09:07   | 01/12/2023 01:31   | BJ      |
| 11104-28-2                  | Aroclor 1221        | ND            |      | mg/kg dry               | 0.0176          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/07/2023 09:07   | 01/12/2023 01:31   | BJ      |
| 11141-16-5                  | Aroclor 1232        | ND            |      | mg/kg dry               | 0.0176          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/07/2023 09:07   | 01/12/2023 01:31   | BJ      |
| 53469-21-9                  | Aroclor 1242        | ND            |      | mg/kg dry               | 0.0176          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/07/2023 09:07   | 01/12/2023 01:31   | BJ      |
| 12672-29-6                  | Aroclor 1248        | ND            |      | mg/kg dry               | 0.0176          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/07/2023 09:07   | 01/12/2023 01:31   | BJ      |
| 11097-69-1                  | Aroclor 1254        | ND            |      | mg/kg dry               | 0.0176          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/07/2023 09:07   | 01/12/2023 01:31   | BJ      |
| 11096-82-5                  | <b>Aroclor 1260</b> | <b>0.0248</b> |      | mg/kg dry               | 0.0176          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/07/2023 09:07   | 01/12/2023 01:31   | BJ      |
| 37324-23-5                  | Aroclor 1262        | ND            |      | mg/kg dry               | 0.0176          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/07/2023 09:07   | 01/12/2023 01:31   | BJ      |
| 11100-14-4                  | Aroclor 1268        | ND            |      | mg/kg dry               | 0.0176          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/07/2023 09:07   | 01/12/2023 01:31   | BJ      |
| 1336-36-3                   | <b>* Total PCBs</b> | <b>0.0248</b> |      | mg/kg dry               | 0.0176          | 1        | EPA 8082A<br>Certifications:                                         | 01/07/2023 09:07   | 01/12/2023 01:31   | BJ      |
| <b>Surrogate Recoveries</b> |                     | <b>Result</b> |      | <b>Acceptance Range</b> |                 |          |                                                                      |                    |                    |         |



## Sample Information

**Client Sample ID:** B-1W 2-4

**York Sample ID:** 23A0263-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0263

21003-0004

Soil

January 5, 2023 9:22 am

01/05/2023

### Polychlorinated Biphenyls (PCB)

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.   | Parameter                       | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------|---------------------------------|--------|------|-------|-----------------|----------|------------------|--------------------|--------------------|---------|
| 877-09-8  | Surrogate: Tetrachloro-m-xylene | 90.5 % |      |       | 30-140          |          |                  |                    |                    |         |
| 2051-24-3 | Surrogate: Decachlorobiphenyl   | 78.0 % |      |       | 30-140          |          |                  |                    |                    |         |

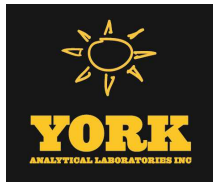
### Metals, Target Analyte

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter | Result | Flag | Units     | Reported to LOQ | Dilution | Reference Method                                                     | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|-----------------|----------|----------------------------------------------------------------------|--------------------|--------------------|---------|
| 7429-90-5 | Aluminum  | 1830   |      | mg/kg dry | 4.45            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23   | 01/11/2023 12:37   | CW      |
| 7440-36-0 | Antimony  | ND     |      | mg/kg dry | 2.23            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23   | 01/11/2023 12:37   | CW      |
| 7440-38-2 | Arsenic   | ND     |      | mg/kg dry | 1.34            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23   | 01/11/2023 12:37   | CW      |
| 7440-39-3 | Barium    | 6.37   |      | mg/kg dry | 2.22            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23   | 01/11/2023 12:37   | CW      |
| 7440-41-7 | Beryllium | 0.147  |      | mg/kg dry | 0.045           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23   | 01/11/2023 12:37   | CW      |
| 7440-43-9 | Cadmium   | ND     |      | mg/kg dry | 0.267           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23   | 01/11/2023 12:37   | CW      |
| 7440-70-2 | Calcium   | 167    |      | mg/kg dry | 4.46            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23   | 01/11/2023 12:37   | CW      |
| 7440-47-3 | Chromium  | 4.64   |      | mg/kg dry | 0.446           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23   | 01/11/2023 12:37   | CW      |
| 7440-48-4 | Cobalt    | 1.57   |      | mg/kg dry | 0.356           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23   | 01/11/2023 12:37   | CW      |
| 7440-50-8 | Copper    | 4.83   |      | mg/kg dry | 1.78            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23   | 01/11/2023 12:37   | CW      |
| 7439-89-6 | Iron      | 5900   |      | mg/kg dry | 22.3            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23   | 01/11/2023 12:37   | CW      |
| 7439-92-1 | Lead      | 24.4   |      | mg/kg dry | 0.446           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23   | 01/11/2023 12:37   | CW      |
| 7439-95-4 | Magnesium | 183    |      | mg/kg dry | 4.46            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23   | 01/11/2023 12:37   | CW      |
| 7439-96-5 | Manganese | 43.8   |      | mg/kg dry | 0.446           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23   | 01/11/2023 12:37   | CW      |
| 7440-02-0 | Nickel    | 3.25   |      | mg/kg dry | 0.887           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23   | 01/11/2023 12:37   | CW      |
| 7440-09-7 | Potassium | 106    | B    | mg/kg dry | 4.46            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23   | 01/11/2023 12:37   | CW      |
| 7782-49-2 | Selenium  | ND     |      | mg/kg dry | 2.23            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23   | 01/11/2023 12:37   | CW      |
| 7440-22-4 | Silver    | ND     |      | mg/kg dry | 0.449           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23   | 01/11/2023 12:37   | CW      |



## Sample Information

**Client Sample ID:** B-1W 2-4

**York Sample ID:** 23A0263-04

York Project (SDG) No.

23A0263

Client Project ID

21003-0004

Matrix

Soil

Collection Date/Time

January 5, 2023 9:22 am

Date Received

01/05/2023

### Metals, Target Analyte

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter | Result | Flag | Units     | Reported to<br>LOQ | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|--------------------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7440-23-5 | Sodium    | ND     |      | mg/kg dry | 44.6               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23      | 01/11/2023 12:37      | CW      |
| 7440-28-0 | Thallium  | ND     |      | mg/kg dry | 2.23               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23      | 01/11/2023 12:37      | CW      |
| 7440-62-2 | Vanadium  | 4.96   |      | mg/kg dry | 0.887              | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23      | 01/11/2023 12:37      | CW      |
| 7440-66-6 | Zinc      | 37.0   |      | mg/kg dry | 2.22               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/10/2023 14:23      | 01/11/2023 12:37      | CW      |

### Mercury by 7473

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 7473 soil

| CAS No.   | Parameter | Result | Flag | Units     | Reported to<br>LOQ | Dilution | Reference Method                                                    | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|--------------------|----------|---------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7439-97-6 | Mercury   | 0.0550 |      | mg/kg dry | 0.0321             | 1        | EPA 7473<br>Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP | 01/09/2023 09:22      | 01/09/2023 15:08      | MR      |

### Total Solids

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: % Solids Prep

| CAS No. | Parameter  | Result | Flag | Units | Reported to<br>LOQ | Dilution | Reference Method                          | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|------------|--------|------|-------|--------------------|----------|-------------------------------------------|-----------------------|-----------------------|---------|
| solids  | * % Solids | 93.5   |      | %     | 0.100              | 1        | SM 2540G<br>Certifications: CTDOH-PH-0723 | 01/06/2023 19:18      | 01/06/2023 21:36      | AGNR    |



## Analytical Batch Summary

**Batch ID:** BA30282      **Preparation Method:** % Solids Prep      **Prepared By:** AGNR

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 23A0263-01     | B-7 0-2          | 01/06/23         |
| 23A0263-02     | B-7 11-13        | 01/06/23         |
| 23A0263-03     | B-1W 0-2         | 01/06/23         |
| 23A0263-04     | B-1W 2-4         | 01/06/23         |
| BA30282-DUP1   | Duplicate        | 01/06/23         |

**Batch ID:** BA30285      **Preparation Method:** EPA 3550C      **Prepared By:** CLO

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 23A0263-01     | B-7 0-2          | 01/07/23         |
| 23A0263-01     | B-7 0-2          | 01/07/23         |
| 23A0263-02     | B-7 11-13        | 01/07/23         |
| 23A0263-02     | B-7 11-13        | 01/07/23         |
| 23A0263-03     | B-1W 0-2         | 01/07/23         |
| 23A0263-03     | B-1W 0-2         | 01/07/23         |
| 23A0263-04     | B-1W 2-4         | 01/07/23         |
| 23A0263-04     | B-1W 2-4         | 01/07/23         |
| BA30285-BLK1   | Blank            | 01/07/23         |
| BA30285-BLK2   | Blank            | 01/07/23         |
| BA30285-BS1    | LCS              | 01/07/23         |
| BA30285-BS2    | LCS              | 01/07/23         |
| BA30285-MS1    | Matrix Spike     | 01/07/23         |
| BA30285-MS2    | Matrix Spike     | 01/07/23         |
| BA30285-MSD1   | Matrix Spike Dup | 01/07/23         |
| BA30285-MSD2   | Matrix Spike Dup | 01/07/23         |

**Batch ID:** BA30311      **Preparation Method:** EPA 3550C      **Prepared By:** JLM

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 23A0263-01     | B-7 0-2          | 01/09/23         |
| 23A0263-02     | B-7 11-13        | 01/09/23         |
| 23A0263-03     | B-1W 0-2         | 01/09/23         |
| 23A0263-03RE1  | B-1W 0-2         | 01/09/23         |
| BA30311-BLK1   | Blank            | 01/09/23         |
| BA30311-BS1    | LCS              | 01/09/23         |
| BA30311-MS1    | Matrix Spike     | 01/09/23         |
| BA30311-MSD1   | Matrix Spike Dup | 01/09/23         |

**Batch ID:** BA30312      **Preparation Method:** EPA 3550C      **Prepared By:** JLM

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 23A0263-04     | B-1W 2-4         | 01/09/23         |
| BA30312-BLK1   | Blank            | 01/09/23         |
| BA30312-BS1    | LCS              | 01/09/23         |



|              |                  |          |
|--------------|------------------|----------|
| BA30312-MS1  | Matrix Spike     | 01/09/23 |
| BA30312-MSD1 | Matrix Spike Dup | 01/09/23 |

|                          |                                          |                        |
|--------------------------|------------------------------------------|------------------------|
| <b>Batch ID:</b> BA30316 | <b>Preparation Method:</b> EPA 7473 soil | <b>Prepared By:</b> MR |
|--------------------------|------------------------------------------|------------------------|

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 23A0263-01     | B-7 0-2          | 01/09/23         |
| 23A0263-02     | B-7 11-13        | 01/09/23         |
| 23A0263-03     | B-1W 0-2         | 01/09/23         |
| 23A0263-04     | B-1W 2-4         | 01/09/23         |
| BA30316-BLK1   | Blank            | 01/09/23         |
| BA30316-DUP1   | Duplicate        | 01/09/23         |
| BA30316-MS1    | Matrix Spike     | 01/09/23         |
| BA30316-SRM1   | Reference        | 01/09/23         |

|                          |                                      |                         |
|--------------------------|--------------------------------------|-------------------------|
| <b>Batch ID:</b> BA30365 | <b>Preparation Method:</b> EPA 5035A | <b>Prepared By:</b> JTG |
|--------------------------|--------------------------------------|-------------------------|

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 23A0263-01     | B-7 0-2          | 01/09/23         |
| 23A0263-02     | B-7 11-13        | 01/09/23         |
| 23A0263-03     | B-1W 0-2         | 01/09/23         |
| 23A0263-04     | B-1W 2-4         | 01/09/23         |
| BA30365-BLK1   | Blank            | 01/09/23         |
| BA30365-BS1    | LCS              | 01/09/23         |
| BA30365-BSD1   | LCS Dup          | 01/09/23         |
| BA30365-MS1    | Matrix Spike     | 01/09/23         |
| BA30365-MSD1   | Matrix Spike Dup | 01/09/23         |

|                          |                                      |                         |
|--------------------------|--------------------------------------|-------------------------|
| <b>Batch ID:</b> BA30420 | <b>Preparation Method:</b> EPA 3050B | <b>Prepared By:</b> KMQ |
|--------------------------|--------------------------------------|-------------------------|

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 23A0263-01     | B-7 0-2          | 01/10/23         |
| 23A0263-02     | B-7 11-13        | 01/10/23         |
| 23A0263-03     | B-1W 0-2         | 01/10/23         |
| 23A0263-04     | B-1W 2-4         | 01/10/23         |
| BA30420-BLK1   | Blank            | 01/10/23         |
| BA30420-DUP1   | Duplicate        | 01/10/23         |
| BA30420-MS1    | Matrix Spike     | 01/10/23         |
| BA30420-PS1    | Post Spike       | 01/10/23         |
| BA30420-SRM1   | Reference        | 01/10/23         |



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

### York Analytical Laboratories, Inc. - Stratford

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source*<br>Result | %REC | %REC<br>Limits | Flag | RPD | RPD<br>Limit | Flag |
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|

#### Batch BA30365 - EPA 5035A

##### Blank (BA30365-BLK1)

Prepared & Analyzed: 01/09/2023

|                                                   |    |        |           |
|---------------------------------------------------|----|--------|-----------|
| 1,1,1,2-Tetrachloroethane                         | ND | 0.0050 | mg/kg wet |
| 1,1,1-Trichloroethane                             | ND | 0.0050 | "         |
| 1,1,2,2-Tetrachloroethane                         | ND | 0.0050 | "         |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | 0.0050 | "         |
| 1,1,2-Trichloroethane                             | ND | 0.0050 | "         |
| 1,1-Dichloroethane                                | ND | 0.0050 | "         |
| 1,1-Dichloroethylene                              | ND | 0.0050 | "         |
| 1,2,3-Trichlorobenzene                            | ND | 0.0050 | "         |
| 1,2,3-Trichloropropane                            | ND | 0.0050 | "         |
| 1,2,4-Trichlorobenzene                            | ND | 0.0050 | "         |
| 1,2,4-Trimethylbenzene                            | ND | 0.0050 | "         |
| 1,2-Dibromo-3-chloropropane                       | ND | 0.0050 | "         |
| 1,2-Dibromoethane                                 | ND | 0.0050 | "         |
| 1,2-Dichlorobenzene                               | ND | 0.0050 | "         |
| 1,2-Dichloroethane                                | ND | 0.0050 | "         |
| 1,2-Dichloropropane                               | ND | 0.0050 | "         |
| 1,3,5-Trimethylbenzene                            | ND | 0.0050 | "         |
| 1,3-Dichlorobenzene                               | ND | 0.0050 | "         |
| 1,4-Dichlorobenzene                               | ND | 0.0050 | "         |
| 1,4-Dioxane                                       | ND | 0.10   | "         |
| 2-Butanone                                        | ND | 0.0050 | "         |
| 2-Hexanone                                        | ND | 0.0050 | "         |
| 4-Methyl-2-pentanone                              | ND | 0.0050 | "         |
| Acetone                                           | ND | 0.010  | "         |
| Acrolein                                          | ND | 0.010  | "         |
| Acrylonitrile                                     | ND | 0.0050 | "         |
| Benzene                                           | ND | 0.0050 | "         |
| Bromochloromethane                                | ND | 0.0050 | "         |
| Bromodichloromethane                              | ND | 0.0050 | "         |
| Bromoform                                         | ND | 0.0050 | "         |
| Bromomethane                                      | ND | 0.0050 | "         |
| Carbon disulfide                                  | ND | 0.0050 | "         |
| Carbon tetrachloride                              | ND | 0.0050 | "         |
| Chlorobenzene                                     | ND | 0.0050 | "         |
| Chloroethane                                      | ND | 0.0050 | "         |
| Chloroform                                        | ND | 0.0050 | "         |
| Chloromethane                                     | ND | 0.0050 | "         |
| cis-1,2-Dichloroethylene                          | ND | 0.0050 | "         |
| cis-1,3-Dichloropropylene                         | ND | 0.0050 | "         |
| Cyclohexane                                       | ND | 0.0050 | "         |
| Dibromochloromethane                              | ND | 0.0050 | "         |
| Dibromomethane                                    | ND | 0.0050 | "         |
| Dichlorodifluoromethane                           | ND | 0.0050 | "         |
| Ethyl Benzene                                     | ND | 0.0050 | "         |
| Hexachlorobutadiene                               | ND | 0.0050 | "         |
| Isopropylbenzene                                  | ND | 0.0050 | "         |
| Methyl acetate                                    | ND | 0.0050 | "         |
| Methyl tert-butyl ether (MTBE)                    | ND | 0.0050 | "         |
| Methylcyclohexane                                 | ND | 0.0050 | "         |



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

### York Analytical Laboratories, Inc. - Stratford

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

#### Batch BA30365 - EPA 5035A

##### Blank (BA30365-BLK1)

Prepared & Analyzed: 01/09/2023

|                             |    |        |           |
|-----------------------------|----|--------|-----------|
| Methylene chloride          | ND | 0.010  | mg/kg wet |
| n-Butylbenzene              | ND | 0.0050 | "         |
| n-Propylbenzene             | ND | 0.0050 | "         |
| o-Xylene                    | ND | 0.0050 | "         |
| p- & m- Xylenes             | ND | 0.010  | "         |
| p-Isopropyltoluene          | ND | 0.0050 | "         |
| sec-Butylbenzene            | ND | 0.0050 | "         |
| Styrene                     | ND | 0.0050 | "         |
| tert-Butyl alcohol (TBA)    | ND | 0.0050 | "         |
| tert-Butylbenzene           | ND | 0.0050 | "         |
| Tetrachloroethylene         | ND | 0.0050 | "         |
| Toluene                     | ND | 0.0050 | "         |
| trans-1,2-Dichloroethylene  | ND | 0.0050 | "         |
| trans-1,3-Dichloropropylene | ND | 0.0050 | "         |
| Trichloroethylene           | ND | 0.0050 | "         |
| Trichlorofluoromethane      | ND | 0.0050 | "         |
| Vinyl Chloride              | ND | 0.0050 | "         |
| Xylenes, Total              | ND | 0.015  | "         |

|                                        |      |      |      |      |        |
|----------------------------------------|------|------|------|------|--------|
| Surrogate: SURR: 1,2-Dichloroethane-d4 | 55.4 | ug/L | 50.0 | 111  | 77-125 |
| Surrogate: SURR: Toluene-d8            | 48.9 | "    | 50.0 | 97.8 | 85-120 |
| Surrogate: SURR: p-Bromofluorobenzene  | 46.2 | "    | 50.0 | 92.5 | 76-130 |

##### LCS (BA30365-BS1)

Prepared & Analyzed: 01/09/2023

|                                                   |      |      |      |      |        |
|---------------------------------------------------|------|------|------|------|--------|
| 1,1,1,2-Tetrachloroethane                         | 52   | ug/L | 50.0 | 103  | 75-129 |
| 1,1,1-Trichloroethane                             | 54   | "    | 50.0 | 107  | 71-137 |
| 1,1,2,2-Tetrachloroethane                         | 43   | "    | 50.0 | 86.7 | 79-129 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 55   | "    | 50.0 | 111  | 58-146 |
| 1,1,2-Trichloroethane                             | 46   | "    | 50.0 | 91.0 | 83-123 |
| 1,1-Dichloroethane                                | 45   | "    | 50.0 | 89.6 | 75-130 |
| 1,1-Dichloroethylene                              | 54   | "    | 50.0 | 108  | 64-137 |
| 1,2,3-Trichlorobenzene                            | 49   | "    | 50.0 | 97.6 | 81-140 |
| 1,2,3-Trichloropropane                            | 47   | "    | 50.0 | 93.3 | 81-126 |
| 1,2,4-Trichlorobenzene                            | 53   | "    | 50.0 | 105  | 80-141 |
| 1,2,4-Trimethylbenzene                            | 45   | "    | 50.0 | 89.1 | 84-125 |
| 1,2-Dibromo-3-chloropropane                       | 51   | "    | 50.0 | 101  | 74-142 |
| 1,2-Dibromoethane                                 | 49   | "    | 50.0 | 98.5 | 86-123 |
| 1,2-Dichlorobenzene                               | 45   | "    | 50.0 | 90.7 | 85-122 |
| 1,2-Dichloroethane                                | 51   | "    | 50.0 | 102  | 71-133 |
| 1,2-Dichloropropane                               | 44   | "    | 50.0 | 88.7 | 81-122 |
| 1,3,5-Trimethylbenzene                            | 44   | "    | 50.0 | 88.9 | 82-126 |
| 1,3-Dichlorobenzene                               | 45   | "    | 50.0 | 90.6 | 84-124 |
| 1,4-Dichlorobenzene                               | 44   | "    | 50.0 | 88.6 | 84-124 |
| 1,4-Dioxane                                       | 1600 | "    | 1050 | 148  | 10-228 |
| 2-Butanone                                        | 46   | "    | 50.0 | 91.6 | 58-147 |
| 2-Hexanone                                        | 46   | "    | 50.0 | 91.4 | 70-139 |
| 4-Methyl-2-pentanone                              | 44   | "    | 50.0 | 88.3 | 72-132 |
| Acetone                                           | 70   | "    | 50.0 | 141  | 36-155 |
| Acrolein                                          | 45   | "    | 50.0 | 89.6 | 10-238 |
| Acrylonitrile                                     | 45   | "    | 50.0 | 89.0 | 66-141 |
| Benzene                                           | 45   | "    | 50.0 | 89.4 | 77-127 |





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

### York Analytical Laboratories, Inc. - Stratford

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

#### Batch BA30365 - EPA 5035A

#### LCS (BA30365-BS1)

Prepared & Analyzed: 01/09/2023

|                                        |      |  |      |      |  |      |        |           |  |  |  |
|----------------------------------------|------|--|------|------|--|------|--------|-----------|--|--|--|
| Bromochloromethane                     | 47   |  | ug/L | 50.0 |  | 93.8 | 74-129 |           |  |  |  |
| Bromodichloromethane                   | 50   |  | "    | 50.0 |  | 99.1 | 81-124 |           |  |  |  |
| Bromoform                              | 55   |  | "    | 50.0 |  | 110  | 80-136 |           |  |  |  |
| Bromomethane                           | 56   |  | "    | 50.0 |  | 112  | 32-177 |           |  |  |  |
| Carbon disulfide                       | 77   |  | "    | 50.0 |  | 153  | 10-136 | High Bias |  |  |  |
| Carbon tetrachloride                   | 55   |  | "    | 50.0 |  | 110  | 66-143 |           |  |  |  |
| Chlorobenzene                          | 48   |  | "    | 50.0 |  | 96.0 | 86-120 |           |  |  |  |
| Chloroethane                           | 65   |  | "    | 50.0 |  | 130  | 51-142 |           |  |  |  |
| Chloroform                             | 48   |  | "    | 50.0 |  | 96.8 | 76-131 |           |  |  |  |
| Chloromethane                          | 46   |  | "    | 50.0 |  | 92.4 | 49-132 |           |  |  |  |
| cis-1,2-Dichloroethylene               | 48   |  | "    | 50.0 |  | 95.1 | 74-132 |           |  |  |  |
| cis-1,3-Dichloropropylene              | 48   |  | "    | 50.0 |  | 95.8 | 81-129 |           |  |  |  |
| Cyclohexane                            | 44   |  | "    | 50.0 |  | 88.0 | 70-130 |           |  |  |  |
| Dibromochloromethane                   | 54   |  | "    | 50.0 |  | 108  | 10-200 |           |  |  |  |
| Dibromomethane                         | 45   |  | "    | 50.0 |  | 90.5 | 83-124 |           |  |  |  |
| Dichlorodifluoromethane                | 60   |  | "    | 50.0 |  | 119  | 28-158 |           |  |  |  |
| Ethyl Benzene                          | 46   |  | "    | 50.0 |  | 91.4 | 84-125 |           |  |  |  |
| Hexachlorobutadiene                    | 50   |  | "    | 50.0 |  | 100  | 83-133 |           |  |  |  |
| Isopropylbenzene                       | 46   |  | "    | 50.0 |  | 92.2 | 81-127 |           |  |  |  |
| Methyl acetate                         | 41   |  | "    | 50.0 |  | 81.5 | 41-143 |           |  |  |  |
| Methyl tert-butyl ether (MTBE)         | 49   |  | "    | 50.0 |  | 97.8 | 74-131 |           |  |  |  |
| Methylcyclohexane                      | 42   |  | "    | 50.0 |  | 83.7 | 70-130 |           |  |  |  |
| Methylene chloride                     | 44   |  | "    | 50.0 |  | 88.1 | 57-141 |           |  |  |  |
| n-Butylbenzene                         | 44   |  | "    | 50.0 |  | 87.5 | 80-130 |           |  |  |  |
| n-Propylbenzene                        | 44   |  | "    | 50.0 |  | 88.0 | 74-136 |           |  |  |  |
| o-Xylene                               | 47   |  | "    | 50.0 |  | 93.6 | 83-123 |           |  |  |  |
| p- & m- Xylenes                        | 93   |  | "    | 100  |  | 92.9 | 82-128 |           |  |  |  |
| p-Isopropyltoluene                     | 47   |  | "    | 50.0 |  | 94.5 | 85-125 |           |  |  |  |
| sec-Butylbenzene                       | 45   |  | "    | 50.0 |  | 90.8 | 83-125 |           |  |  |  |
| Styrene                                | 48   |  | "    | 50.0 |  | 95.0 | 86-126 |           |  |  |  |
| tert-Butyl alcohol (TBA)               | 330  |  | "    | 250  |  | 133  | 70-130 | High Bias |  |  |  |
| tert-Butylbenzene                      | 47   |  | "    | 50.0 |  | 94.4 | 80-127 |           |  |  |  |
| Tetrachloroethylene                    | 43   |  | "    | 50.0 |  | 86.8 | 80-129 |           |  |  |  |
| Toluene                                | 44   |  | "    | 50.0 |  | 87.1 | 85-121 |           |  |  |  |
| trans-1,2-Dichloroethylene             | 46   |  | "    | 50.0 |  | 93.0 | 72-132 |           |  |  |  |
| trans-1,3-Dichloropropylene            | 52   |  | "    | 50.0 |  | 103  | 78-132 |           |  |  |  |
| Trichloroethylene                      | 46   |  | "    | 50.0 |  | 91.7 | 84-123 |           |  |  |  |
| Trichlorofluoromethane                 | 60   |  | "    | 50.0 |  | 120  | 62-140 |           |  |  |  |
| Vinyl Chloride                         | 56   |  | "    | 50.0 |  | 111  | 52-130 |           |  |  |  |
| Surrogate: SURR: 1,2-Dichloroethane-d4 | 55.0 |  | "    | 50.0 |  | 110  | 77-125 |           |  |  |  |
| Surrogate: SURR: Toluene-d8            | 48.8 |  | "    | 50.0 |  | 97.5 | 85-120 |           |  |  |  |
| Surrogate: SURR: p-Bromofluorobenzene  | 49.0 |  | "    | 50.0 |  | 98.1 | 76-130 |           |  |  |  |



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

### York Analytical Laboratories, Inc. - Stratford

| Analyte                                           | Result | Reporting Limit | Units | Spike Level | Source* Result | %REC                            | %REC Limits | Flag      | RPD   | Limit | Flag |
|---------------------------------------------------|--------|-----------------|-------|-------------|----------------|---------------------------------|-------------|-----------|-------|-------|------|
| <b>Batch BA30365 - EPA 5035A</b>                  |        |                 |       |             |                |                                 |             |           |       |       |      |
| <b>LCS Dup (BA30365-BSD1)</b>                     |        |                 |       |             |                | Prepared & Analyzed: 01/09/2023 |             |           |       |       |      |
| 1,1,1,2-Tetrachloroethane                         | 50     |                 | ug/L  | 50.0        |                | 101                             | 75-129      |           | 2.38  | 30    |      |
| 1,1,1-Trichloroethane                             | 55     |                 | "     | 50.0        |                | 109                             | 71-137      |           | 1.99  | 30    |      |
| 1,1,2,2-Tetrachloroethane                         | 43     |                 | "     | 50.0        |                | 85.9                            | 79-129      |           | 0.904 | 30    |      |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 57     |                 | "     | 50.0        |                | 113                             | 58-146      |           | 1.95  | 30    |      |
| 1,1,2-Trichloroethane                             | 44     |                 | "     | 50.0        |                | 88.1                            | 83-123      |           | 3.22  | 30    |      |
| 1,1-Dichloroethane                                | 45     |                 | "     | 50.0        |                | 90.3                            | 75-130      |           | 0.734 | 30    |      |
| 1,1-Dichloroethylene                              | 55     |                 | "     | 50.0        |                | 109                             | 64-137      |           | 0.881 | 30    |      |
| 1,2,3-Trichlorobenzene                            | 44     |                 | "     | 50.0        |                | 88.3                            | 81-140      |           | 10.0  | 30    |      |
| 1,2,3-Trichloropropane                            | 47     |                 | "     | 50.0        |                | 93.3                            | 81-126      |           | 0.00  | 30    |      |
| 1,2,4-Trichlorobenzene                            | 47     |                 | "     | 50.0        |                | 93.7                            | 80-141      |           | 11.4  | 30    |      |
| 1,2,4-Trimethylbenzene                            | 45     |                 | "     | 50.0        |                | 90.2                            | 84-125      |           | 1.23  | 30    |      |
| 1,2-Dibromo-3-chloropropane                       | 48     |                 | "     | 50.0        |                | 95.9                            | 74-142      |           | 5.53  | 30    |      |
| 1,2-Dibromoethane                                 | 48     |                 | "     | 50.0        |                | 96.2                            | 86-123      |           | 2.28  | 30    |      |
| 1,2-Dichlorobenzene                               | 45     |                 | "     | 50.0        |                | 89.4                            | 85-122      |           | 1.44  | 30    |      |
| 1,2-Dichloroethane                                | 51     |                 | "     | 50.0        |                | 102                             | 71-133      |           | 0.00  | 30    |      |
| 1,2-Dichloropropane                               | 44     |                 | "     | 50.0        |                | 87.2                            | 81-122      |           | 1.68  | 30    |      |
| 1,3,5-Trimethylbenzene                            | 45     |                 | "     | 50.0        |                | 89.6                            | 82-126      |           | 0.717 | 30    |      |
| 1,3-Dichlorobenzene                               | 45     |                 | "     | 50.0        |                | 89.6                            | 84-124      |           | 1.07  | 30    |      |
| 1,4-Dichlorobenzene                               | 44     |                 | "     | 50.0        |                | 88.9                            | 84-124      |           | 0.270 | 30    |      |
| 1,4-Dioxane                                       | 1600   |                 | "     | 1050        |                | 149                             | 10-228      |           | 0.529 | 30    |      |
| 2-Butanone                                        | 45     |                 | "     | 50.0        |                | 90.9                            | 58-147      |           | 0.745 | 30    |      |
| 2-Hexanone                                        | 46     |                 | "     | 50.0        |                | 91.6                            | 70-139      |           | 0.262 | 30    |      |
| 4-Methyl-2-pentanone                              | 43     |                 | "     | 50.0        |                | 86.6                            | 72-132      |           | 2.01  | 30    |      |
| Acetone                                           | 72     |                 | "     | 50.0        |                | 144                             | 36-155      |           | 2.41  | 30    |      |
| Acrolein                                          | 44     |                 | "     | 50.0        |                | 88.9                            | 10-238      |           | 0.784 | 30    |      |
| Acrylonitrile                                     | 45     |                 | "     | 50.0        |                | 90.4                            | 66-141      |           | 1.47  | 30    |      |
| Benzene                                           | 45     |                 | "     | 50.0        |                | 90.4                            | 77-127      |           | 1.11  | 30    |      |
| Bromochloromethane                                | 46     |                 | "     | 50.0        |                | 92.2                            | 74-129      |           | 1.70  | 30    |      |
| Bromodichloromethane                              | 51     |                 | "     | 50.0        |                | 101                             | 81-124      |           | 1.94  | 30    |      |
| Bromoform                                         | 54     |                 | "     | 50.0        |                | 108                             | 80-136      |           | 1.63  | 30    |      |
| Bromomethane                                      | 56     |                 | "     | 50.0        |                | 112                             | 32-177      |           | 0.215 | 30    |      |
| Carbon disulfide                                  | 88     |                 | "     | 50.0        |                | 175                             | 10-136      | High Bias | 13.5  | 30    |      |
| Carbon tetrachloride                              | 57     |                 | "     | 50.0        |                | 114                             | 66-143      |           | 3.88  | 30    |      |
| Chlorobenzene                                     | 48     |                 | "     | 50.0        |                | 95.3                            | 86-120      |           | 0.753 | 30    |      |
| Chloroethane                                      | 64     |                 | "     | 50.0        |                | 129                             | 51-142      |           | 1.30  | 30    |      |
| Chloroform                                        | 49     |                 | "     | 50.0        |                | 98.3                            | 76-131      |           | 1.48  | 30    |      |
| Chloromethane                                     | 47     |                 | "     | 50.0        |                | 95.0                            | 49-132      |           | 2.73  | 30    |      |
| cis-1,2-Dichloroethylene                          | 49     |                 | "     | 50.0        |                | 97.7                            | 74-132      |           | 2.72  | 30    |      |
| cis-1,3-Dichloropropylene                         | 49     |                 | "     | 50.0        |                | 97.9                            | 81-129      |           | 2.25  | 30    |      |
| Cyclohexane                                       | 45     |                 | "     | 50.0        |                | 89.8                            | 70-130      |           | 2.03  | 30    |      |
| Dibromochloromethane                              | 53     |                 | "     | 50.0        |                | 106                             | 10-200      |           | 1.98  | 30    |      |
| Dibromomethane                                    | 46     |                 | "     | 50.0        |                | 92.2                            | 83-124      |           | 1.84  | 30    |      |
| Dichlorodifluoromethane                           | 59     |                 | "     | 50.0        |                | 118                             | 28-158      |           | 0.792 | 30    |      |
| Ethyl Benzene                                     | 46     |                 | "     | 50.0        |                | 92.1                            | 84-125      |           | 0.719 | 30    |      |
| Hexachlorobutadiene                               | 47     |                 | "     | 50.0        |                | 94.8                            | 83-133      |           | 5.76  | 30    |      |
| Isopropylbenzene                                  | 46     |                 | "     | 50.0        |                | 92.3                            | 81-127      |           | 0.130 | 30    |      |
| Methyl acetate                                    | 41     |                 | "     | 50.0        |                | 82.3                            | 41-143      |           | 0.928 | 30    |      |
| Methyl tert-butyl ether (MTBE)                    | 49     |                 | "     | 50.0        |                | 97.4                            | 74-131      |           | 0.389 | 30    |      |
| Methylcyclohexane                                 | 42     |                 | "     | 50.0        |                | 84.2                            | 70-130      |           | 0.595 | 30    |      |
| Methylene chloride                                | 45     |                 | "     | 50.0        |                | 89.2                            | 57-141      |           | 1.26  | 30    |      |



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

### York Analytical Laboratories, Inc. - Stratford

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

#### Batch BA30365 - EPA 5035A

##### LCS Dup (BA30365-BSD1)

Prepared & Analyzed: 01/09/2023

|                                        |      |  |      |      |  |      |        |  |        |    |  |
|----------------------------------------|------|--|------|------|--|------|--------|--|--------|----|--|
| n-Butylbenzene                         | 44   |  | ug/L | 50.0 |  | 87.5 | 80-130 |  | 0.00   | 30 |  |
| n-Propylbenzene                        | 45   |  | "    | 50.0 |  | 90.3 | 74-136 |  | 2.63   | 30 |  |
| o-Xylene                               | 47   |  | "    | 50.0 |  | 93.5 | 83-123 |  | 0.0641 | 30 |  |
| p- & m- Xylenes                        | 93   |  | "    | 100  |  | 93.4 | 82-128 |  | 0.483  | 30 |  |
| p-Isopropyltoluene                     | 47   |  | "    | 50.0 |  | 93.5 | 85-125 |  | 1.00   | 30 |  |
| sec-Butylbenzene                       | 46   |  | "    | 50.0 |  | 91.4 | 83-125 |  | 0.659  | 30 |  |
| Styrene                                | 47   |  | "    | 50.0 |  | 94.9 | 86-126 |  | 0.147  | 30 |  |
| tert-Butyl alcohol (TBA)               | 320  |  | "    | 250  |  | 130  | 70-130 |  | 2.49   | 30 |  |
| tert-Butylbenzene                      | 47   |  | "    | 50.0 |  | 94.0 | 80-127 |  | 0.467  | 30 |  |
| Tetrachloroethylene                    | 43   |  | "    | 50.0 |  | 85.9 | 80-129 |  | 1.04   | 30 |  |
| Toluene                                | 44   |  | "    | 50.0 |  | 87.7 | 85-121 |  | 0.732  | 30 |  |
| trans-1,2-Dichloroethylene             | 48   |  | "    | 50.0 |  | 95.0 | 72-132 |  | 2.21   | 30 |  |
| trans-1,3-Dichloropropylene            | 51   |  | "    | 50.0 |  | 102  | 78-132 |  | 1.38   | 30 |  |
| Trichloroethylene                      | 46   |  | "    | 50.0 |  | 91.4 | 84-123 |  | 0.328  | 30 |  |
| Trichlorofluoromethane                 | 59   |  | "    | 50.0 |  | 119  | 62-140 |  | 0.754  | 30 |  |
| Vinyl Chloride                         | 56   |  | "    | 50.0 |  | 112  | 52-130 |  | 1.11   | 30 |  |
| Surrogate: SURR: 1,2-Dichloroethane-d4 | 54.6 |  | "    | 50.0 |  | 109  | 77-125 |  |        |    |  |
| Surrogate: SURR: Toluene-d8            | 49.1 |  | "    | 50.0 |  | 98.1 | 85-120 |  |        |    |  |
| Surrogate: SURR: p-Bromofluorobenzene  | 49.2 |  | "    | 50.0 |  | 98.4 | 76-130 |  |        |    |  |

##### Matrix Spike (BA30365-MS1)

\*Source sample: 23A0238-02 (Matrix Spike)

Prepared & Analyzed: 01/09/2023

|                                                   |      |  |      |      |     |      |        |  |  |  |  |
|---------------------------------------------------|------|--|------|------|-----|------|--------|--|--|--|--|
| 1,1,1,2-Tetrachloroethane                         | 45   |  | ug/L | 50.0 | 0.0 | 89.1 | 15-161 |  |  |  |  |
| 1,1,1-Trichloroethane                             | 47   |  | "    | 50.0 | 0.0 | 93.1 | 42-145 |  |  |  |  |
| 1,1,2,2-Tetrachloroethane                         | 38   |  | "    | 50.0 | 0.0 | 75.0 | 16-167 |  |  |  |  |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 49   |  | "    | 50.0 | 0.0 | 97.1 | 11-160 |  |  |  |  |
| 1,1,2-Trichloroethane                             | 40   |  | "    | 50.0 | 0.0 | 80.4 | 44-145 |  |  |  |  |
| 1,1-Dichloroethane                                | 39   |  | "    | 50.0 | 0.0 | 78.0 | 46-142 |  |  |  |  |
| 1,1-Dichloroethylene                              | 48   |  | "    | 50.0 | 0.0 | 95.2 | 30-153 |  |  |  |  |
| 1,2,3-Trichlorobenzene                            | 39   |  | "    | 50.0 | 0.0 | 77.8 | 10-157 |  |  |  |  |
| 1,2,3-Trichloropropane                            | 41   |  | "    | 50.0 | 0.0 | 82.8 | 38-155 |  |  |  |  |
| 1,2,4-Trichlorobenzene                            | 40   |  | "    | 50.0 | 0.0 | 79.3 | 10-151 |  |  |  |  |
| 1,2,4-Trimethylbenzene                            | 38   |  | "    | 50.0 | 0.0 | 75.4 | 10-170 |  |  |  |  |
| 1,2-Dibromo-3-chloropropane                       | 43   |  | "    | 50.0 | 0.0 | 86.2 | 36-138 |  |  |  |  |
| 1,2-Dibromoethane                                 | 43   |  | "    | 50.0 | 0.0 | 86.9 | 40-142 |  |  |  |  |
| 1,2-Dichlorobenzene                               | 39   |  | "    | 50.0 | 0.0 | 78.5 | 10-147 |  |  |  |  |
| 1,2-Dichloroethane                                | 47   |  | "    | 50.0 | 0.0 | 93.4 | 48-133 |  |  |  |  |
| 1,2-Dichloropropane                               | 38   |  | "    | 50.0 | 0.0 | 75.7 | 47-141 |  |  |  |  |
| 1,3,5-Trimethylbenzene                            | 38   |  | "    | 50.0 | 0.0 | 75.9 | 10-150 |  |  |  |  |
| 1,3-Dichlorobenzene                               | 39   |  | "    | 50.0 | 0.0 | 78.1 | 10-144 |  |  |  |  |
| 1,4-Dichlorobenzene                               | 38   |  | "    | 50.0 | 0.0 | 76.9 | 10-160 |  |  |  |  |
| 1,4-Dioxane                                       | 1400 |  | "    | 1050 | 0.0 | 133  | 10-191 |  |  |  |  |
| 2-Butanone                                        | 37   |  | "    | 50.0 | 0.0 | 73.1 | 10-189 |  |  |  |  |
| 2-Hexanone                                        | 40   |  | "    | 50.0 | 0.0 | 80.9 | 10-181 |  |  |  |  |
| 4-Methyl-2-pentanone                              | 39   |  | "    | 50.0 | 0.0 | 78.3 | 10-166 |  |  |  |  |
| Acetone                                           | 68   |  | "    | 50.0 | 4.6 | 126  | 10-196 |  |  |  |  |
| Acrolein                                          | 43   |  | "    | 50.0 | 0.0 | 86.6 | 10-192 |  |  |  |  |
| Acrylonitrile                                     | 40   |  | "    | 50.0 | 0.0 | 80.8 | 13-161 |  |  |  |  |
| Benzene                                           | 39   |  | "    | 50.0 | 0.0 | 78.8 | 43-139 |  |  |  |  |
| Bromochloromethane                                | 41   |  | "    | 50.0 | 0.0 | 82.6 | 38-145 |  |  |  |  |
| Bromodichloromethane                              | 43   |  | "    | 50.0 | 0.0 | 86.1 | 38-147 |  |  |  |  |



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

### York Analytical Laboratories, Inc. - Stratford

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source*<br>Result | %REC | %REC<br>Limits | Flag | RPD | RPD<br>Limit | Flag |
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|

#### Batch BA30365 - EPA 5035A

| Matrix Spike (BA30365-MS1)             | *Source sample: 23A0238-02 (Matrix Spike) |  |      |      |     |      | Prepared & Analyzed: 01/09/2023 |           |  |  |  |
|----------------------------------------|-------------------------------------------|--|------|------|-----|------|---------------------------------|-----------|--|--|--|
| Bromoform                              | 49                                        |  | ug/L | 50.0 | 0.0 | 98.3 | 29-156                          |           |  |  |  |
| Bromomethane                           | 45                                        |  | "    | 50.0 | 0.0 | 89.1 | 10-166                          |           |  |  |  |
| Carbon disulfide                       | 67                                        |  | "    | 50.0 | 0.0 | 134  | 10-131                          | High Bias |  |  |  |
| Carbon tetrachloride                   | 49                                        |  | "    | 50.0 | 0.0 | 97.1 | 35-145                          |           |  |  |  |
| Chlorobenzene                          | 41                                        |  | "    | 50.0 | 0.0 | 81.8 | 21-154                          |           |  |  |  |
| Chloroethane                           | 53                                        |  | "    | 50.0 | 0.0 | 106  | 15-160                          |           |  |  |  |
| Chloroform                             | 43                                        |  | "    | 50.0 | 0.0 | 85.2 | 47-142                          |           |  |  |  |
| Chloromethane                          | 36                                        |  | "    | 50.0 | 0.0 | 72.5 | 10-159                          |           |  |  |  |
| cis-1,2-Dichloroethylene               | 41                                        |  | "    | 50.0 | 0.0 | 82.6 | 42-144                          |           |  |  |  |
| cis-1,3-Dichloropropylene              | 41                                        |  | "    | 50.0 | 0.0 | 82.2 | 18-159                          |           |  |  |  |
| Cyclohexane                            | 38                                        |  | "    | 50.0 | 0.0 | 76.0 | 70-130                          |           |  |  |  |
| Dibromochloromethane                   | 46                                        |  | "    | 50.0 | 0.0 | 92.6 | 10-179                          |           |  |  |  |
| Dibromomethane                         | 41                                        |  | "    | 50.0 | 0.0 | 81.3 | 47-143                          |           |  |  |  |
| Dichlorodifluoromethane                | 47                                        |  | "    | 50.0 | 0.0 | 94.8 | 10-145                          |           |  |  |  |
| Ethyl Benzene                          | 39                                        |  | "    | 50.0 | 0.0 | 78.9 | 11-158                          |           |  |  |  |
| Hexachlorobutadiene                    | 38                                        |  | "    | 50.0 | 0.0 | 76.4 | 10-158                          |           |  |  |  |
| Isopropylbenzene                       | 39                                        |  | "    | 50.0 | 0.0 | 77.6 | 10-162                          |           |  |  |  |
| Methyl acetate                         | 37                                        |  | "    | 50.0 | 0.0 | 73.8 | 10-149                          |           |  |  |  |
| Methyl tert-butyl ether (MTBE)         | 43                                        |  | "    | 50.0 | 0.0 | 85.3 | 42-152                          |           |  |  |  |
| Methylcyclohexane                      | 35                                        |  | "    | 50.0 | 0.0 | 70.2 | 70-130                          |           |  |  |  |
| Methylene chloride                     | 39                                        |  | "    | 50.0 | 0.0 | 78.3 | 28-151                          |           |  |  |  |
| n-Butylbenzene                         | 37                                        |  | "    | 50.0 | 0.0 | 73.0 | 10-162                          |           |  |  |  |
| n-Propylbenzene                        | 38                                        |  | "    | 50.0 | 0.0 | 75.9 | 10-155                          |           |  |  |  |
| o-Xylene                               | 41                                        |  | "    | 50.0 | 0.0 | 81.4 | 10-158                          |           |  |  |  |
| p- & m- Xylenes                        | 80                                        |  | "    | 100  | 0.0 | 79.8 | 10-156                          |           |  |  |  |
| p-Isopropyltoluene                     | 39                                        |  | "    | 50.0 | 0.0 | 78.4 | 10-147                          |           |  |  |  |
| sec-Butylbenzene                       | 38                                        |  | "    | 50.0 | 0.0 | 76.0 | 10-157                          |           |  |  |  |
| Styrene                                | 40                                        |  | "    | 50.0 | 0.0 | 81.0 | 13-171                          |           |  |  |  |
| tert-Butyl alcohol (TBA)               | 270                                       |  | "    | 250  | 0.0 | 109  | 34-179                          |           |  |  |  |
| tert-Butylbenzene                      | 40                                        |  | "    | 50.0 | 0.0 | 79.3 | 10-160                          |           |  |  |  |
| Tetrachloroethylene                    | 37                                        |  | "    | 50.0 | 0.0 | 74.1 | 30-167                          |           |  |  |  |
| Toluene                                | 38                                        |  | "    | 50.0 | 0.0 | 75.3 | 21-160                          |           |  |  |  |
| trans-1,2-Dichloroethylene             | 40                                        |  | "    | 50.0 | 0.0 | 79.7 | 29-153                          |           |  |  |  |
| trans-1,3-Dichloropropylene            | 43                                        |  | "    | 50.0 | 0.0 | 86.4 | 18-155                          |           |  |  |  |
| Trichloroethylene                      | 40                                        |  | "    | 50.0 | 0.0 | 81.0 | 24-169                          |           |  |  |  |
| Trichlorofluoromethane                 | 53                                        |  | "    | 50.0 | 0.0 | 106  | 35-142                          |           |  |  |  |
| Vinyl Chloride                         | 46                                        |  | "    | 50.0 | 0.0 | 92.8 | 12-160                          |           |  |  |  |
| Surrogate: SURR: 1,2-Dichloroethane-d4 | 57.5                                      |  | "    | 50.0 |     | 115  | 77-125                          |           |  |  |  |
| Surrogate: SURR: Toluene-d8            | 47.8                                      |  | "    | 50.0 |     | 95.7 | 85-120                          |           |  |  |  |
| Surrogate: SURR: p-Bromofluorobenzene  | 49.1                                      |  | "    | 50.0 |     | 98.2 | 76-130                          |           |  |  |  |



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

### York Analytical Laboratories, Inc. - Stratford

| Analyte                                           | Result                                               | Reporting Limit | Units | Spike Level | Source* Result | %REC | %REC Limits                                | Flag      | RPD   | RPD Limit | Flag |
|---------------------------------------------------|------------------------------------------------------|-----------------|-------|-------------|----------------|------|--------------------------------------------|-----------|-------|-----------|------|
| <b>Batch BA30365 - EPA 5035A</b>                  |                                                      |                 |       |             |                |      |                                            |           |       |           |      |
| <b>Matrix Spike Dup (BA30365-MSD1)</b>            | <b>*Source sample: 23A0238-02 (Matrix Spike Dup)</b> |                 |       |             |                |      | <b>Prepared &amp; Analyzed: 01/09/2023</b> |           |       |           |      |
| 1,1,1,2-Tetrachloroethane                         | 47                                                   |                 | ug/L  | 50.0        | 0.0            | 93.4 | 15-161                                     |           | 4.67  | 33        |      |
| 1,1,1-Trichloroethane                             | 48                                                   |                 | "     | 50.0        | 0.0            | 95.7 | 42-145                                     |           | 2.80  | 30        |      |
| 1,1,2,2-Tetrachloroethane                         | 38                                                   |                 | "     | 50.0        | 0.0            | 76.5 | 16-167                                     |           | 1.95  | 56        |      |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 50                                                   |                 | "     | 50.0        | 0.0            | 100  | 11-160                                     |           | 3.14  | 31        |      |
| 1,1,2-Trichloroethane                             | 41                                                   |                 | "     | 50.0        | 0.0            | 82.1 | 44-145                                     |           | 2.09  | 40        |      |
| 1,1-Dichloroethane                                | 40                                                   |                 | "     | 50.0        | 0.0            | 79.8 | 46-142                                     |           | 2.33  | 36        |      |
| 1,1-Dichloroethylene                              | 49                                                   |                 | "     | 50.0        | 0.0            | 97.7 | 30-153                                     |           | 2.61  | 31        |      |
| 1,2,3-Trichlorobenzene                            | 40                                                   |                 | "     | 50.0        | 0.0            | 79.2 | 10-157                                     |           | 1.73  | 47        |      |
| 1,2,3-Trichloropropane                            | 44                                                   |                 | "     | 50.0        | 0.0            | 87.1 | 38-155                                     |           | 5.08  | 48        |      |
| 1,2,4-Trichlorobenzene                            | 41                                                   |                 | "     | 50.0        | 0.0            | 81.4 | 10-151                                     |           | 2.59  | 52        |      |
| 1,2,4-Trimethylbenzene                            | 40                                                   |                 | "     | 50.0        | 0.0            | 79.2 | 10-170                                     |           | 4.84  | 242       |      |
| 1,2-Dibromo-3-chloropropane                       | 44                                                   |                 | "     | 50.0        | 0.0            | 87.5 | 36-138                                     |           | 1.43  | 54        |      |
| 1,2-Dibromoethane                                 | 45                                                   |                 | "     | 50.0        | 0.0            | 90.5 | 40-142                                     |           | 4.06  | 39        |      |
| 1,2-Dichlorobenzene                               | 41                                                   |                 | "     | 50.0        | 0.0            | 81.3 | 10-147                                     |           | 3.45  | 52        |      |
| 1,2-Dichloroethane                                | 48                                                   |                 | "     | 50.0        | 0.0            | 95.8 | 48-133                                     |           | 2.52  | 32        |      |
| 1,2-Dichloropropane                               | 40                                                   |                 | "     | 50.0        | 0.0            | 80.4 | 47-141                                     |           | 6.00  | 37        |      |
| 1,3,5-Trimethylbenzene                            | 40                                                   |                 | "     | 50.0        | 0.0            | 79.8 | 10-150                                     |           | 5.11  | 62        |      |
| 1,3-Dichlorobenzene                               | 40                                                   |                 | "     | 50.0        | 0.0            | 80.3 | 10-144                                     |           | 2.85  | 51        |      |
| 1,4-Dichlorobenzene                               | 40                                                   |                 | "     | 50.0        | 0.0            | 79.2 | 10-160                                     |           | 2.95  | 52        |      |
| 1,4-Dioxane                                       | 1500                                                 |                 | "     | 1050        | 0.0            | 140  | 10-191                                     |           | 5.67  | 196       |      |
| 2-Butanone                                        | 38                                                   |                 | "     | 50.0        | 0.0            | 75.0 | 10-189                                     |           | 2.59  | 67        |      |
| 2-Hexanone                                        | 42                                                   |                 | "     | 50.0        | 0.0            | 84.3 | 10-181                                     |           | 4.04  | 60        |      |
| 4-Methyl-2-pentanone                              | 40                                                   |                 | "     | 50.0        | 0.0            | 80.8 | 10-166                                     |           | 3.14  | 47        |      |
| Acetone                                           | 50                                                   |                 | "     | 50.0        | 4.6            | 90.7 | 10-196                                     |           | 32.3  | 150       |      |
| Acrolein                                          | 42                                                   |                 | "     | 50.0        | 0.0            | 84.5 | 10-192                                     |           | 2.43  | 128       |      |
| Acrylonitrile                                     | 39                                                   |                 | "     | 50.0        | 0.0            | 78.7 | 13-161                                     |           | 2.61  | 48        |      |
| Benzene                                           | 41                                                   |                 | "     | 50.0        | 0.0            | 82.2 | 43-139                                     |           | 4.32  | 64        |      |
| Bromochloromethane                                | 41                                                   |                 | "     | 50.0        | 0.0            | 82.2 | 38-145                                     |           | 0.510 | 30        |      |
| Bromodichloromethane                              | 46                                                   |                 | "     | 50.0        | 0.0            | 91.9 | 38-147                                     |           | 6.54  | 37        |      |
| Bromoform                                         | 50                                                   |                 | "     | 50.0        | 0.0            | 101  | 29-156                                     |           | 2.47  | 51        |      |
| Bromomethane                                      | 47                                                   |                 | "     | 50.0        | 0.0            | 94.2 | 10-166                                     |           | 5.54  | 42        |      |
| Carbon disulfide                                  | 76                                                   |                 | "     | 50.0        | 0.0            | 151  | 10-131                                     | High Bias | 12.5  | 36        |      |
| Carbon tetrachloride                              | 50                                                   |                 | "     | 50.0        | 0.0            | 101  | 35-145                                     |           | 3.96  | 31        |      |
| Chlorobenzene                                     | 44                                                   |                 | "     | 50.0        | 0.0            | 87.0 | 21-154                                     |           | 6.18  | 32        |      |
| Chloroethane                                      | 55                                                   |                 | "     | 50.0        | 0.0            | 109  | 15-160                                     |           | 3.08  | 40        |      |
| Chloroform                                        | 45                                                   |                 | "     | 50.0        | 0.0            | 89.5 | 47-142                                     |           | 4.99  | 29        |      |
| Chloromethane                                     | 39                                                   |                 | "     | 50.0        | 0.0            | 78.6 | 10-159                                     |           | 8.04  | 31        |      |
| cis-1,2-Dichloroethylene                          | 43                                                   |                 | "     | 50.0        | 0.0            | 86.0 | 42-144                                     |           | 4.01  | 30        |      |
| cis-1,3-Dichloropropylene                         | 44                                                   |                 | "     | 50.0        | 0.0            | 87.1 | 18-159                                     |           | 5.72  | 39        |      |
| Cyclohexane                                       | 39                                                   |                 | "     | 50.0        | 0.0            | 78.8 | 70-130                                     |           | 3.67  | 30        |      |
| Dibromochloromethane                              | 50                                                   |                 | "     | 50.0        | 0.0            | 99.7 | 10-179                                     |           | 7.43  | 41        |      |
| Dibromomethane                                    | 43                                                   |                 | "     | 50.0        | 0.0            | 85.5 | 47-143                                     |           | 5.06  | 41        |      |
| Dichlorodifluoromethane                           | 48                                                   |                 | "     | 50.0        | 0.0            | 96.7 | 10-145                                     |           | 2.01  | 34        |      |
| Ethyl Benzene                                     | 41                                                   |                 | "     | 50.0        | 0.0            | 82.2 | 11-158                                     |           | 4.07  | 42        |      |
| Hexachlorobutadiene                               | 40                                                   |                 | "     | 50.0        | 0.0            | 80.8 | 10-158                                     |           | 5.60  | 45        |      |
| Isopropylbenzene                                  | 41                                                   |                 | "     | 50.0        | 0.0            | 82.1 | 10-162                                     |           | 5.64  | 57        |      |
| Methyl acetate                                    | 38                                                   |                 | "     | 50.0        | 0.0            | 76.3 | 10-149                                     |           | 3.33  | 64        |      |
| Methyl tert-butyl ether (MTBE)                    | 45                                                   |                 | "     | 50.0        | 0.0            | 89.2 | 42-152                                     |           | 4.43  | 47        |      |
| Methylcyclohexane                                 | 37                                                   |                 | "     | 50.0        | 0.0            | 74.5 | 70-130                                     |           | 5.83  | 30        |      |
| Methylene chloride                                | 40                                                   |                 | "     | 50.0        | 0.0            | 80.1 | 28-151                                     |           | 2.32  | 49        |      |



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

### York Analytical Laboratories, Inc. - Stratford

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source*<br>Result | %REC | %REC<br>Limits | Flag | RPD | RPD<br>Limit | Flag |
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|

#### Batch BA30365 - EPA 5035A

| Matrix Spike Dup (BA30365-MSD1)        |      | *Source sample: 23A0238-02 (Matrix Spike Dup) |      |      |     |      | Prepared & Analyzed: 01/09/2023 |  |      |    |  |
|----------------------------------------|------|-----------------------------------------------|------|------|-----|------|---------------------------------|--|------|----|--|
| n-Butylbenzene                         | 38   |                                               | ug/L | 50.0 | 0.0 | 76.9 | 10-162                          |  | 5.15 | 96 |  |
| n-Propylbenzene                        | 40   |                                               | "    | 50.0 | 0.0 | 79.5 | 10-155                          |  | 4.58 | 56 |  |
| o-Xylene                               | 43   |                                               | "    | 50.0 | 0.0 | 85.1 | 10-158                          |  | 4.52 | 51 |  |
| p- & m- Xylenes                        | 84   |                                               | "    | 100  | 0.0 | 83.5 | 10-156                          |  | 4.51 | 47 |  |
| p-Isopropyltoluene                     | 41   |                                               | "    | 50.0 | 0.0 | 82.5 | 10-147                          |  | 5.00 | 60 |  |
| sec-Butylbenzene                       | 40   |                                               | "    | 50.0 | 0.0 | 80.9 | 10-157                          |  | 6.22 | 56 |  |
| Styrene                                | 42   |                                               | "    | 50.0 | 0.0 | 84.7 | 13-171                          |  | 4.47 | 39 |  |
| tert-Butyl alcohol (TBA)               | 290  |                                               | "    | 250  | 0.0 | 116  | 34-179                          |  | 6.94 | 35 |  |
| tert-Butylbenzene                      | 42   |                                               | "    | 50.0 | 0.0 | 83.8 | 10-160                          |  | 5.57 | 79 |  |
| Tetrachloroethylene                    | 39   |                                               | "    | 50.0 | 0.0 | 77.2 | 30-167                          |  | 4.02 | 33 |  |
| Toluene                                | 39   |                                               | "    | 50.0 | 0.0 | 78.2 | 21-160                          |  | 3.75 | 50 |  |
| trans-1,2-Dichloroethylene             | 41   |                                               | "    | 50.0 | 0.0 | 82.3 | 29-153                          |  | 3.21 | 30 |  |
| trans-1,3-Dichloropropylene            | 46   |                                               | "    | 50.0 | 0.0 | 91.2 | 18-155                          |  | 5.38 | 30 |  |
| Trichloroethylene                      | 42   |                                               | "    | 50.0 | 0.0 | 85.0 | 24-169                          |  | 4.80 | 30 |  |
| Trichlorofluoromethane                 | 54   |                                               | "    | 50.0 | 0.0 | 108  | 35-142                          |  | 2.13 | 30 |  |
| Vinyl Chloride                         | 48   |                                               | "    | 50.0 | 0.0 | 95.0 | 12-160                          |  | 2.39 | 35 |  |
| <hr/>                                  |      |                                               |      |      |     |      |                                 |  |      |    |  |
| Surrogate: SURR: 1,2-Dichloroethane-d4 | 55.8 |                                               | "    | 50.0 |     | 112  | 77-125                          |  |      |    |  |
| Surrogate: SURR: Toluene-d8            | 48.1 |                                               | "    | 50.0 |     | 96.2 | 85-120                          |  |      |    |  |
| Surrogate: SURR: p-Bromofluorobenzene  | 48.6 |                                               | "    | 50.0 |     | 97.3 | 76-130                          |  |      |    |  |



## Semivolatile Organic Compounds by GC/MS - Quality Control Data

### York Analytical Laboratories, Inc. - Stratford

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

#### Batch BA30311 - EPA 3550C

##### Blank (BA30311-BLK1)

Prepared: 01/09/2023 Analyzed: 01/10/2023

|                                       |    |        |           |
|---------------------------------------|----|--------|-----------|
| 1,1-Biphenyl                          | ND | 0.0417 | mg/kg wet |
| 1,2,4,5-Tetrachlorobenzene            | ND | 0.0833 | "         |
| 1,2,4-Trichlorobenzene                | ND | 0.0417 | "         |
| 1,2-Dichlorobenzene                   | ND | 0.0417 | "         |
| 1,2-Diphenylhydrazine (as Azobenzene) | ND | 0.0417 | "         |
| 1,3-Dichlorobenzene                   | ND | 0.0417 | "         |
| 1,4-Dichlorobenzene                   | ND | 0.0417 | "         |
| 2,3,4,6-Tetrachlorophenol             | ND | 0.0833 | "         |
| 2,4,5-Trichlorophenol                 | ND | 0.0417 | "         |
| 2,4,6-Trichlorophenol                 | ND | 0.0417 | "         |
| 2,4-Dichlorophenol                    | ND | 0.0417 | "         |
| 2,4-Dimethylphenol                    | ND | 0.0417 | "         |
| 2,4-Dinitrophenol                     | ND | 0.0833 | "         |
| 2,4-Dinitrotoluene                    | ND | 0.0417 | "         |
| 2,6-Dinitrotoluene                    | ND | 0.0417 | "         |
| 2-Chloronaphthalene                   | ND | 0.0417 | "         |
| 2-Chlorophenol                        | ND | 0.0417 | "         |
| 2-Methylnaphthalene                   | ND | 0.0417 | "         |
| 2-Methylphenol                        | ND | 0.0417 | "         |
| 2-Nitroaniline                        | ND | 0.0833 | "         |
| 2-Nitrophenol                         | ND | 0.0417 | "         |
| 3- & 4-Methylphenols                  | ND | 0.0417 | "         |
| 3,3-Dichlorobenzidine                 | ND | 0.0417 | "         |
| 3-Nitroaniline                        | ND | 0.0833 | "         |
| 4,6-Dinitro-2-methylphenol            | ND | 0.0833 | "         |
| 4-Bromophenyl phenyl ether            | ND | 0.0417 | "         |
| 4-Chloro-3-methylphenol               | ND | 0.0417 | "         |
| 4-Chloroaniline                       | ND | 0.0417 | "         |
| 4-Chlorophenyl phenyl ether           | ND | 0.0417 | "         |
| 4-Nitroaniline                        | ND | 0.0833 | "         |
| 4-Nitrophenol                         | ND | 0.0833 | "         |
| Acenaphthene                          | ND | 0.0417 | "         |
| Acenaphthylene                        | ND | 0.0417 | "         |
| Acetophenone                          | ND | 0.0417 | "         |
| Aniline                               | ND | 0.167  | "         |
| Anthracene                            | ND | 0.0417 | "         |
| Atrazine                              | ND | 0.0417 | "         |
| Benzaldehyde                          | ND | 0.0417 | "         |
| Benzidine                             | ND | 0.167  | "         |
| Benzo(a)anthracene                    | ND | 0.0417 | "         |
| Benzo(a)pyrene                        | ND | 0.0417 | "         |
| Benzo(b)fluoranthene                  | ND | 0.0417 | "         |
| Benzo(g,h,i)perylene                  | ND | 0.0417 | "         |
| Benzo(k)fluoranthene                  | ND | 0.0417 | "         |
| Benzoic acid                          | ND | 0.0417 | "         |
| Benzyl alcohol                        | ND | 0.0417 | "         |
| Benzyl butyl phthalate                | ND | 0.0417 | "         |
| Bis(2-chloroethoxy)methane            | ND | 0.0417 | "         |
| Bis(2-chloroethyl)ether               | ND | 0.0417 | "         |
| Bis(2-chloroisopropyl)ether           | ND | 0.0417 | "         |
| Bis(2-ethylhexyl)phthalate            | ND | 0.0417 | "         |



## Semivolatile Organic Compounds by GC/MS - Quality Control Data

### York Analytical Laboratories, Inc. - Stratford

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source*<br>Result | %REC | %REC<br>Limits | Flag | RPD | RPD<br>Limit | Flag |
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|

#### Batch BA30311 - EPA 3550C

##### Blank (BA30311-BLK1)

Prepared: 01/09/2023 Analyzed: 01/10/2023

|                            |    |        |           |
|----------------------------|----|--------|-----------|
| Caprolactam                | ND | 0.0833 | mg/kg wet |
| Carbazole                  | ND | 0.0417 | "         |
| Chrysene                   | ND | 0.0417 | "         |
| Dibenzo(a,h)anthracene     | ND | 0.0417 | "         |
| Dibenzofuran               | ND | 0.0417 | "         |
| Diethyl phthalate          | ND | 0.0417 | "         |
| Dimethyl phthalate         | ND | 0.0417 | "         |
| Di-n-butyl phthalate       | ND | 0.0417 | "         |
| Di-n-octyl phthalate       | ND | 0.0417 | "         |
| Fluoranthene               | ND | 0.0417 | "         |
| Fluorene                   | ND | 0.0417 | "         |
| Hexachlorobenzene          | ND | 0.0417 | "         |
| Hexachlorobutadiene        | ND | 0.0417 | "         |
| Hexachlorocyclopentadiene  | ND | 0.0417 | "         |
| Hexachloroethane           | ND | 0.0417 | "         |
| Indeno(1,2,3-cd)pyrene     | ND | 0.0417 | "         |
| Isophorone                 | ND | 0.0417 | "         |
| Naphthalene                | ND | 0.0417 | "         |
| Nitrobenzene               | ND | 0.0417 | "         |
| N-Nitrosodimethylamine     | ND | 0.0417 | "         |
| N-nitroso-di-n-propylamine | ND | 0.0417 | "         |
| N-Nitrosodiphenylamine     | ND | 0.0417 | "         |
| Pentachlorophenol          | ND | 0.0417 | "         |
| Phenanthrene               | ND | 0.0417 | "         |
| Phenol                     | ND | 0.0417 | "         |
| Pyrene                     | ND | 0.0417 | "         |

|                                       |       |   |       |      |        |
|---------------------------------------|-------|---|-------|------|--------|
| Surrogate: SURR: 2-Fluorophenol       | 1.30  | " | 1.67  | 78.1 | 20-108 |
| Surrogate: SURR: Phenol-d5            | 1.24  | " | 1.67  | 74.2 | 23-114 |
| Surrogate: SURR: Nitrobenzene-d5      | 0.751 | " | 0.833 | 90.2 | 22-108 |
| Surrogate: SURR: 2-Fluorobiphenyl     | 0.647 | " | 0.833 | 77.6 | 21-113 |
| Surrogate: SURR: 2,4,6-Tribromophenol | 1.70  | " | 1.67  | 102  | 19-110 |
| Surrogate: SURR: Terphenyl-d14        | 0.840 | " | 0.833 | 101  | 24-116 |





## Semivolatile Organic Compounds by GC/MS - Quality Control Data

### York Analytical Laboratories, Inc. - Stratford

| Analyte                               | Result | Reporting Limit | Units     | Spike Level | Source* Result | %REC                                      | %REC Limits | Flag | RPD | RPD Limit | Flag |
|---------------------------------------|--------|-----------------|-----------|-------------|----------------|-------------------------------------------|-------------|------|-----|-----------|------|
| <b>Batch BA30311 - EPA 3550C</b>      |        |                 |           |             |                |                                           |             |      |     |           |      |
| <b>LCS (BA30311-BS1)</b>              |        |                 |           |             |                | Prepared: 01/09/2023 Analyzed: 01/10/2023 |             |      |     |           |      |
| 1,1-Biphenyl                          | 0.668  | 0.0417          | mg/kg wet | 0.833       |                | 80.2                                      | 18-111      |      |     |           |      |
| 1,2,4,5-Tetrachlorobenzene            | 0.637  | 0.0833          | "         | 0.833       |                | 76.4                                      | 21-131      |      |     |           |      |
| 1,2,4-Trichlorobenzene                | 0.600  | 0.0417          | "         | 0.833       |                | 72.0                                      | 10-140      |      |     |           |      |
| 1,2-Dichlorobenzene                   | 0.537  | 0.0417          | "         | 0.833       |                | 64.4                                      | 34-108      |      |     |           |      |
| 1,2-Diphenylhydrazine (as Azobenzene) | 0.554  | 0.0417          | "         | 0.833       |                | 66.4                                      | 17-137      |      |     |           |      |
| 1,3-Dichlorobenzene                   | 0.523  | 0.0417          | "         | 0.833       |                | 62.8                                      | 33-110      |      |     |           |      |
| 1,4-Dichlorobenzene                   | 0.533  | 0.0417          | "         | 0.833       |                | 63.9                                      | 32-104      |      |     |           |      |
| 2,3,4,6-Tetrachlorophenol             | 0.666  | 0.0833          | "         | 0.833       |                | 80.0                                      | 30-130      |      |     |           |      |
| 2,4,5-Trichlorophenol                 | 0.628  | 0.0417          | "         | 0.833       |                | 75.3                                      | 27-118      |      |     |           |      |
| 2,4,6-Trichlorophenol                 | 0.627  | 0.0417          | "         | 0.833       |                | 75.3                                      | 31-120      |      |     |           |      |
| 2,4-Dichlorophenol                    | 0.631  | 0.0417          | "         | 0.833       |                | 75.7                                      | 20-127      |      |     |           |      |
| 2,4-Dimethylphenol                    | 0.621  | 0.0417          | "         | 0.833       |                | 74.5                                      | 14-132      |      |     |           |      |
| 2,4-Dinitrophenol                     | 0.684  | 0.0833          | "         | 0.833       |                | 82.1                                      | 10-171      |      |     |           |      |
| 2,4-Dinitrotoluene                    | 0.822  | 0.0417          | "         | 0.833       |                | 98.6                                      | 34-131      |      |     |           |      |
| 2,6-Dinitrotoluene                    | 0.802  | 0.0417          | "         | 0.833       |                | 96.3                                      | 31-128      |      |     |           |      |
| 2-Chloronaphthalene                   | 0.563  | 0.0417          | "         | 0.833       |                | 67.6                                      | 31-117      |      |     |           |      |
| 2-Chlorophenol                        | 0.560  | 0.0417          | "         | 0.833       |                | 67.2                                      | 33-113      |      |     |           |      |
| 2-Methylnaphthalene                   | 0.584  | 0.0417          | "         | 0.833       |                | 70.0                                      | 12-138      |      |     |           |      |
| 2-Methylphenol                        | 0.571  | 0.0417          | "         | 0.833       |                | 68.5                                      | 10-136      |      |     |           |      |
| 2-Nitroaniline                        | 0.721  | 0.0833          | "         | 0.833       |                | 86.5                                      | 27-132      |      |     |           |      |
| 2-Nitrophenol                         | 0.650  | 0.0417          | "         | 0.833       |                | 78.0                                      | 17-129      |      |     |           |      |
| 3- & 4-Methylphenols                  | 0.510  | 0.0417          | "         | 0.833       |                | 61.2                                      | 29-103      |      |     |           |      |
| 3,3-Dichlorobenzidine                 | 0.516  | 0.0417          | "         | 0.833       |                | 61.9                                      | 22-149      |      |     |           |      |
| 3-Nitroaniline                        | 0.622  | 0.0833          | "         | 0.833       |                | 74.6                                      | 20-133      |      |     |           |      |
| 4,6-Dinitro-2-methylphenol            | 0.774  | 0.0833          | "         | 0.833       |                | 92.9                                      | 10-143      |      |     |           |      |
| 4-Bromophenyl phenyl ether            | 0.600  | 0.0417          | "         | 0.833       |                | 72.0                                      | 29-120      |      |     |           |      |
| 4-Chloro-3-methylphenol               | 0.615  | 0.0417          | "         | 0.833       |                | 73.8                                      | 24-129      |      |     |           |      |
| 4-Chloroaniline                       | 0.448  | 0.0417          | "         | 0.833       |                | 53.8                                      | 10-132      |      |     |           |      |
| 4-Chlorophenyl phenyl ether           | 0.617  | 0.0417          | "         | 0.833       |                | 74.1                                      | 27-124      |      |     |           |      |
| 4-Nitroaniline                        | 0.681  | 0.0833          | "         | 0.833       |                | 81.8                                      | 16-128      |      |     |           |      |
| 4-Nitrophenol                         | 0.604  | 0.0833          | "         | 0.833       |                | 72.5                                      | 10-141      |      |     |           |      |
| Acenaphthene                          | 0.566  | 0.0417          | "         | 0.833       |                | 67.9                                      | 30-121      |      |     |           |      |
| Acenaphthylene                        | 0.545  | 0.0417          | "         | 0.833       |                | 65.4                                      | 30-115      |      |     |           |      |
| Acetophenone                          | 0.602  | 0.0417          | "         | 0.833       |                | 72.3                                      | 20-112      |      |     |           |      |
| Aniline                               | 0.444  | 0.167           | "         | 0.833       |                | 53.3                                      | 10-119      |      |     |           |      |
| Anthracene                            | 0.627  | 0.0417          | "         | 0.833       |                | 75.3                                      | 34-118      |      |     |           |      |
| Atrazine                              | 0.764  | 0.0417          | "         | 0.833       |                | 91.6                                      | 26-112      |      |     |           |      |
| Benzaldehyde                          | 0.609  | 0.0417          | "         | 0.833       |                | 73.1                                      | 21-100      |      |     |           |      |
| Benzo(a)anthracene                    | 0.631  | 0.0417          | "         | 0.833       |                | 75.7                                      | 32-122      |      |     |           |      |
| Benzo(a)pyrene                        | 0.640  | 0.0417          | "         | 0.833       |                | 76.8                                      | 29-133      |      |     |           |      |
| Benzo(b)fluoranthene                  | 0.671  | 0.0417          | "         | 0.833       |                | 80.5                                      | 25-133      |      |     |           |      |
| Benzo(g,h,i)perylene                  | 0.629  | 0.0417          | "         | 0.833       |                | 75.5                                      | 10-143      |      |     |           |      |
| Benzo(k)fluoranthene                  | 0.681  | 0.0417          | "         | 0.833       |                | 81.7                                      | 25-128      |      |     |           |      |
| Benzoic acid                          | 0.311  | 0.0417          | "         | 0.833       |                | 37.4                                      | 10-140      |      |     |           |      |
| Benzyl alcohol                        | 0.491  | 0.0417          | "         | 0.833       |                | 59.0                                      | 30-115      |      |     |           |      |
| Benzyl butyl phthalate                | 0.596  | 0.0417          | "         | 0.833       |                | 71.5                                      | 26-126      |      |     |           |      |
| Bis(2-chloroethoxy)methane            | 0.544  | 0.0417          | "         | 0.833       |                | 65.3                                      | 19-132      |      |     |           |      |
| Bis(2-chloroethyl)ether               | 0.540  | 0.0417          | "         | 0.833       |                | 64.8                                      | 19-125      |      |     |           |      |
| Bis(2-chloroisopropyl)ether           | 0.522  | 0.0417          | "         | 0.833       |                | 62.7                                      | 20-135      |      |     |           |      |
| Bis(2-ethylhexyl)phthalate            | 0.583  | 0.0417          | "         | 0.833       |                | 70.0                                      | 10-155      |      |     |           |      |
| Caprolactam                           | 0.775  | 0.0833          | "         | 0.833       |                | 93.0                                      | 10-127      |      |     |           |      |



## Semivolatile Organic Compounds by GC/MS - Quality Control Data

### York Analytical Laboratories, Inc. - Stratford

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

#### Batch BA30311 - EPA 3550C

#### LCS (BA30311-BS1)

Prepared: 01/09/2023 Analyzed: 01/10/2023

|                                       |       |        |           |       |  |      |        |  |  |  |  |
|---------------------------------------|-------|--------|-----------|-------|--|------|--------|--|--|--|--|
| Carbazole                             | 0.620 | 0.0417 | mg/kg wet | 0.833 |  | 74.4 | 35-123 |  |  |  |  |
| Chrysene                              | 0.632 | 0.0417 | "         | 0.833 |  | 75.8 | 32-123 |  |  |  |  |
| Dibenzo(a,h)anthracene                | 0.599 | 0.0417 | "         | 0.833 |  | 71.8 | 10-136 |  |  |  |  |
| Dibenzofuran                          | 0.593 | 0.0417 | "         | 0.833 |  | 71.2 | 29-121 |  |  |  |  |
| Diethyl phthalate                     | 0.630 | 0.0417 | "         | 0.833 |  | 75.6 | 34-116 |  |  |  |  |
| Dimethyl phthalate                    | 0.625 | 0.0417 | "         | 0.833 |  | 75.0 | 35-124 |  |  |  |  |
| Di-n-butyl phthalate                  | 0.603 | 0.0417 | "         | 0.833 |  | 72.3 | 31-116 |  |  |  |  |
| Di-n-octyl phthalate                  | 0.587 | 0.0417 | "         | 0.833 |  | 70.4 | 26-136 |  |  |  |  |
| Fluoranthene                          | 0.591 | 0.0417 | "         | 0.833 |  | 70.9 | 33-122 |  |  |  |  |
| Fluorene                              | 0.592 | 0.0417 | "         | 0.833 |  | 71.1 | 29-123 |  |  |  |  |
| Hexachlorobenzene                     | 0.579 | 0.0417 | "         | 0.833 |  | 69.5 | 21-124 |  |  |  |  |
| Hexachlorobutadiene                   | 0.611 | 0.0417 | "         | 0.833 |  | 73.3 | 10-149 |  |  |  |  |
| Hexachlorocyclopentadiene             | 0.377 | 0.0417 | "         | 0.833 |  | 45.2 | 10-129 |  |  |  |  |
| Hexachloroethane                      | 0.532 | 0.0417 | "         | 0.833 |  | 63.8 | 28-108 |  |  |  |  |
| Indeno(1,2,3-cd)pyrene                | 0.617 | 0.0417 | "         | 0.833 |  | 74.0 | 10-135 |  |  |  |  |
| Isophorone                            | 0.614 | 0.0417 | "         | 0.833 |  | 73.7 | 20-132 |  |  |  |  |
| Naphthalene                           | 0.577 | 0.0417 | "         | 0.833 |  | 69.2 | 23-124 |  |  |  |  |
| Nitrobenzene                          | 0.624 | 0.0417 | "         | 0.833 |  | 74.9 | 13-132 |  |  |  |  |
| N-Nitrosodimethylamine                | 0.485 | 0.0417 | "         | 0.833 |  | 58.2 | 11-129 |  |  |  |  |
| N-nitroso-di-n-propylamine            | 0.525 | 0.0417 | "         | 0.833 |  | 63.0 | 24-119 |  |  |  |  |
| N-Nitrosodiphenylamine                | 0.683 | 0.0417 | "         | 0.833 |  | 82.0 | 22-152 |  |  |  |  |
| Pentachlorophenol                     | 0.426 | 0.0417 | "         | 0.833 |  | 51.1 | 10-139 |  |  |  |  |
| Phenanthrene                          | 0.592 | 0.0417 | "         | 0.833 |  | 71.0 | 33-123 |  |  |  |  |
| Phenol                                | 0.601 | 0.0417 | "         | 0.833 |  | 72.1 | 23-115 |  |  |  |  |
| Pyrene                                | 0.566 | 0.0417 | "         | 0.833 |  | 67.9 | 32-130 |  |  |  |  |
| Surrogate: SURR: 2-Fluorophenol       | 1.29  |        | "         | 1.67  |  | 77.3 | 20-108 |  |  |  |  |
| Surrogate: SURR: Phenol-d5            | 1.22  |        | "         | 1.67  |  | 73.4 | 23-114 |  |  |  |  |
| Surrogate: SURR: Nitrobenzene-d5      | 0.756 |        | "         | 0.833 |  | 90.7 | 22-108 |  |  |  |  |
| Surrogate: SURR: 2-Fluorobiphenyl     | 0.653 |        | "         | 0.833 |  | 78.3 | 21-113 |  |  |  |  |
| Surrogate: SURR: 2,4,6-Tribromophenol | 1.67  |        | "         | 1.67  |  | 100  | 19-110 |  |  |  |  |
| Surrogate: SURR: Terphenyl-d14        | 0.774 |        | "         | 0.833 |  | 92.9 | 24-116 |  |  |  |  |



## Semivolatile Organic Compounds by GC/MS - Quality Control Data

### York Analytical Laboratories, Inc. - Stratford

| Analyte                               | Result | Reporting Limit                        | Units     | Spike Level | Source* Result | %REC | %REC Limits | Flag                                      | RPD | RPD Limit | Flag |
|---------------------------------------|--------|----------------------------------------|-----------|-------------|----------------|------|-------------|-------------------------------------------|-----|-----------|------|
| <b>Batch BA30311 - EPA 3550C</b>      |        |                                        |           |             |                |      |             |                                           |     |           |      |
| <b>Matrix Spike (BA30311-MS1)</b>     |        | *Source sample: 23A0263-02 (B-7 11-13) |           |             |                |      |             | Prepared: 01/09/2023 Analyzed: 01/10/2023 |     |           |      |
| 1,1-Biphenyl                          | 0.763  | 0.0943                                 | mg/kg dry | 0.942       | ND             | 81.0 | 10-130      |                                           |     |           |      |
| 1,2,4,5-Tetrachlorobenzene            | 0.804  | 0.188                                  | "         | 0.942       | ND             | 85.3 | 10-133      |                                           |     |           |      |
| 1,2,4-Trichlorobenzene                | 0.713  | 0.0943                                 | "         | 0.942       | ND             | 75.7 | 10-127      |                                           |     |           |      |
| 1,2-Dichlorobenzene                   | 0.654  | 0.0943                                 | "         | 0.942       | ND             | 69.4 | 14-111      |                                           |     |           |      |
| 1,2-Diphenylhydrazine (as Azobenzene) | 0.722  | 0.0943                                 | "         | 0.942       | ND             | 76.6 | 10-144      |                                           |     |           |      |
| 1,3-Dichlorobenzene                   | 0.643  | 0.0943                                 | "         | 0.942       | ND             | 68.2 | 11-111      |                                           |     |           |      |
| 1,4-Dichlorobenzene                   | 0.660  | 0.0943                                 | "         | 0.942       | ND             | 70.0 | 10-106      |                                           |     |           |      |
| 2,3,4,6-Tetrachlorophenol             | 0.922  | 0.188                                  | "         | 0.942       | ND             | 97.8 | 30-130      |                                           |     |           |      |
| 2,4,5-Trichlorophenol                 | 0.848  | 0.0943                                 | "         | 0.942       | ND             | 90.0 | 10-127      |                                           |     |           |      |
| 2,4,6-Trichlorophenol                 | 0.814  | 0.0943                                 | "         | 0.942       | ND             | 86.4 | 10-132      |                                           |     |           |      |
| 2,4-Dichlorophenol                    | 0.817  | 0.0943                                 | "         | 0.942       | ND             | 86.6 | 10-128      |                                           |     |           |      |
| 2,4-Dimethylphenol                    | 0.786  | 0.0943                                 | "         | 0.942       | ND             | 83.4 | 10-137      |                                           |     |           |      |
| 2,4-Dinitrophenol                     | 0.692  | 0.188                                  | "         | 0.942       | ND             | 73.4 | 10-171      |                                           |     |           |      |
| 2,4-Dinitrotoluene                    | 1.13   | 0.0943                                 | "         | 0.942       | ND             | 119  | 16-135      |                                           |     |           |      |
| 2,6-Dinitrotoluene                    | 1.04   | 0.0943                                 | "         | 0.942       | ND             | 110  | 18-131      |                                           |     |           |      |
| 2-Chloronaphthalene                   | 0.726  | 0.0943                                 | "         | 0.942       | ND             | 77.0 | 10-129      |                                           |     |           |      |
| 2-Chlorophenol                        | 0.722  | 0.0943                                 | "         | 0.942       | ND             | 76.6 | 15-116      |                                           |     |           |      |
| 2-Methylnaphthalene                   | 0.754  | 0.0943                                 | "         | 0.942       | ND             | 80.0 | 10-147      |                                           |     |           |      |
| 2-Methylphenol                        | 0.709  | 0.0943                                 | "         | 0.942       | ND             | 75.3 | 10-136      |                                           |     |           |      |
| 2-Nitroaniline                        | 0.951  | 0.188                                  | "         | 0.942       | ND             | 101  | 10-137      |                                           |     |           |      |
| 2-Nitrophenol                         | 0.846  | 0.0943                                 | "         | 0.942       | ND             | 89.8 | 10-129      |                                           |     |           |      |
| 3- & 4-Methylphenols                  | 0.642  | 0.0943                                 | "         | 0.942       | ND             | 68.1 | 10-123      |                                           |     |           |      |
| 3,3-Dichlorobenzidine                 | 0.684  | 0.0943                                 | "         | 0.942       | ND             | 72.6 | 10-155      |                                           |     |           |      |
| 3-Nitroaniline                        | 0.912  | 0.188                                  | "         | 0.942       | ND             | 96.8 | 12-133      |                                           |     |           |      |
| 4,6-Dinitro-2-methylphenol            | 1.00   | 0.188                                  | "         | 0.942       | ND             | 106  | 10-155      |                                           |     |           |      |
| 4-Bromophenyl phenyl ether            | 0.811  | 0.0943                                 | "         | 0.942       | ND             | 86.1 | 14-128      |                                           |     |           |      |
| 4-Chloro-3-methylphenol               | 0.864  | 0.0943                                 | "         | 0.942       | ND             | 91.7 | 10-134      |                                           |     |           |      |
| 4-Chloroaniline                       | 0.633  | 0.0943                                 | "         | 0.942       | ND             | 67.2 | 10-145      |                                           |     |           |      |
| 4-Chlorophenyl phenyl ether           | 0.829  | 0.0943                                 | "         | 0.942       | ND             | 88.0 | 14-130      |                                           |     |           |      |
| 4-Nitroaniline                        | 0.924  | 0.188                                  | "         | 0.942       | ND             | 98.1 | 10-147      |                                           |     |           |      |
| 4-Nitrophenol                         | 0.868  | 0.188                                  | "         | 0.942       | ND             | 92.1 | 10-137      |                                           |     |           |      |
| Acenaphthene                          | 0.736  | 0.0943                                 | "         | 0.942       | ND             | 78.1 | 10-146      |                                           |     |           |      |
| Acenaphthylene                        | 0.705  | 0.0943                                 | "         | 0.942       | ND             | 74.8 | 10-134      |                                           |     |           |      |
| Acetophenone                          | 0.697  | 0.0943                                 | "         | 0.942       | ND             | 74.0 | 10-116      |                                           |     |           |      |
| Aniline                               | 0.619  | 0.378                                  | "         | 0.942       | ND             | 65.7 | 10-123      |                                           |     |           |      |
| Anthracene                            | 0.834  | 0.0943                                 | "         | 0.942       | ND             | 88.5 | 10-142      |                                           |     |           |      |
| Atrazine                              | 0.922  | 0.0943                                 | "         | 0.942       | ND             | 97.8 | 19-115      |                                           |     |           |      |
| Benzaldehyde                          | 0.725  | 0.0943                                 | "         | 0.942       | ND             | 77.0 | 10-125      |                                           |     |           |      |
| Benzo(a)anthracene                    | 0.846  | 0.0943                                 | "         | 0.942       | ND             | 89.8 | 10-158      |                                           |     |           |      |
| Benzo(a)pyrene                        | 0.869  | 0.0943                                 | "         | 0.942       | ND             | 92.2 | 10-180      |                                           |     |           |      |
| Benzo(b)fluoranthene                  | 0.910  | 0.0943                                 | "         | 0.942       | ND             | 96.6 | 10-200      |                                           |     |           |      |
| Benzo(g,h,i)perylene                  | 0.835  | 0.0943                                 | "         | 0.942       | ND             | 88.6 | 10-138      |                                           |     |           |      |
| Benzo(k)fluoranthene                  | 0.927  | 0.0943                                 | "         | 0.942       | ND             | 98.3 | 10-197      |                                           |     |           |      |
| Benzoic acid                          | ND     | 0.0943                                 | "         | 0.942       | ND             |      | 10-166      | Low Bias                                  |     |           |      |
| Benzyl alcohol                        | 0.640  | 0.0943                                 | "         | 0.942       | ND             | 67.9 | 12-124      |                                           |     |           |      |
| Benzyl butyl phthalate                | 0.820  | 0.0943                                 | "         | 0.942       | ND             | 87.0 | 10-154      |                                           |     |           |      |
| Bis(2-chloroethoxy)methane            | 0.722  | 0.0943                                 | "         | 0.942       | ND             | 76.6 | 10-132      |                                           |     |           |      |
| Bis(2-chloroethyl)ether               | 0.672  | 0.0943                                 | "         | 0.942       | ND             | 71.3 | 10-119      |                                           |     |           |      |
| Bis(2-chloroisopropyl)ether           | 0.666  | 0.0943                                 | "         | 0.942       | ND             | 70.7 | 10-139      |                                           |     |           |      |
| Bis(2-ethylhexyl)phthalate            | 0.844  | 0.0943                                 | "         | 0.942       | ND             | 89.6 | 10-167      |                                           |     |           |      |
| Caprolactam                           | 1.04   | 0.188                                  | "         | 0.942       | ND             | 110  | 10-132      |                                           |     |           |      |



## Semivolatile Organic Compounds by GC/MS - Quality Control Data

### York Analytical Laboratories, Inc. - Stratford

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

#### Batch BA30311 - EPA 3550C

|                                       |       |                                        |           |       |    |      |        |                                           |  |  |  |
|---------------------------------------|-------|----------------------------------------|-----------|-------|----|------|--------|-------------------------------------------|--|--|--|
| <b>Matrix Spike (BA30311-MS1)</b>     |       | *Source sample: 23A0263-02 (B-7 11-13) |           |       |    |      |        | Prepared: 01/09/2023 Analyzed: 01/10/2023 |  |  |  |
| Carbazole                             | 0.832 | 0.0943                                 | mg/kg dry | 0.942 | ND | 88.3 | 10-167 |                                           |  |  |  |
| Chrysene                              | 0.847 | 0.0943                                 | "         | 0.942 | ND | 89.8 | 10-156 |                                           |  |  |  |
| Dibenzo(a,h)anthracene                | 0.795 | 0.0943                                 | "         | 0.942 | ND | 84.4 | 10-137 |                                           |  |  |  |
| Dibenzofuran                          | 0.786 | 0.0943                                 | "         | 0.942 | ND | 83.4 | 10-147 |                                           |  |  |  |
| Diethyl phthalate                     | 0.821 | 0.0943                                 | "         | 0.942 | ND | 87.1 | 20-120 |                                           |  |  |  |
| Dimethyl phthalate                    | 0.824 | 0.0943                                 | "         | 0.942 | ND | 87.4 | 18-131 |                                           |  |  |  |
| Di-n-butyl phthalate                  | 0.802 | 0.0943                                 | "         | 0.942 | ND | 85.1 | 10-137 |                                           |  |  |  |
| Di-n-octyl phthalate                  | 0.848 | 0.0943                                 | "         | 0.942 | ND | 90.0 | 10-180 |                                           |  |  |  |
| Fluoranthene                          | 0.800 | 0.0943                                 | "         | 0.942 | ND | 84.9 | 10-160 |                                           |  |  |  |
| Fluorene                              | 0.797 | 0.0943                                 | "         | 0.942 | ND | 84.6 | 10-157 |                                           |  |  |  |
| Hexachlorobenzene                     | 0.783 | 0.0943                                 | "         | 0.942 | ND | 83.0 | 10-137 |                                           |  |  |  |
| Hexachlorobutadiene                   | 0.749 | 0.0943                                 | "         | 0.942 | ND | 79.4 | 10-132 |                                           |  |  |  |
| Hexachlorocyclopentadiene             | 0.424 | 0.0943                                 | "         | 0.942 | ND | 45.0 | 10-106 |                                           |  |  |  |
| Hexachloroethane                      | 0.630 | 0.0943                                 | "         | 0.942 | ND | 66.9 | 10-110 |                                           |  |  |  |
| Indeno(1,2,3-cd)pyrene                | 0.822 | 0.0943                                 | "         | 0.942 | ND | 87.2 | 10-144 |                                           |  |  |  |
| Isophorone                            | 0.784 | 0.0943                                 | "         | 0.942 | ND | 83.2 | 10-132 |                                           |  |  |  |
| Naphthalene                           | 0.725 | 0.0943                                 | "         | 0.942 | ND | 77.0 | 10-141 |                                           |  |  |  |
| Nitrobenzene                          | 0.804 | 0.0943                                 | "         | 0.942 | ND | 85.3 | 10-131 |                                           |  |  |  |
| N-Nitrosodimethylamine                | 0.648 | 0.0943                                 | "         | 0.942 | ND | 68.7 | 10-126 |                                           |  |  |  |
| N-nitroso-di-n-propylamine            | 0.688 | 0.0943                                 | "         | 0.942 | ND | 73.0 | 10-125 |                                           |  |  |  |
| N-Nitrosodiphenylamine                | 0.874 | 0.0943                                 | "         | 0.942 | ND | 92.7 | 10-177 |                                           |  |  |  |
| Pentachlorophenol                     | 0.567 | 0.0943                                 | "         | 0.942 | ND | 60.2 | 10-153 |                                           |  |  |  |
| Phenanthrene                          | 0.788 | 0.0943                                 | "         | 0.942 | ND | 83.6 | 10-148 |                                           |  |  |  |
| Phenol                                | 0.789 | 0.0943                                 | "         | 0.942 | ND | 83.8 | 10-126 |                                           |  |  |  |
| Pyrene                                | 0.763 | 0.0943                                 | "         | 0.942 | ND | 81.0 | 10-165 |                                           |  |  |  |
| Surrogate: SURR: 2-Fluorophenol       | 1.53  |                                        | "         | 1.88  |    | 81.2 | 20-108 |                                           |  |  |  |
| Surrogate: SURR: Phenol-d5            | 1.50  |                                        | "         | 1.88  |    | 79.7 | 23-114 |                                           |  |  |  |
| Surrogate: SURR: Nitrobenzene-d5      | 0.895 |                                        | "         | 0.942 |    | 95.0 | 22-108 |                                           |  |  |  |
| Surrogate: SURR: 2-Fluorobiphenyl     | 0.786 |                                        | "         | 0.942 |    | 83.4 | 21-113 |                                           |  |  |  |
| Surrogate: SURR: 2,4,6-Tribromophenol | 2.05  |                                        | "         | 1.88  |    | 109  | 19-110 |                                           |  |  |  |
| Surrogate: SURR: Terphenyl-d14        | 0.985 |                                        | "         | 0.942 |    | 105  | 24-116 |                                           |  |  |  |



## Semivolatile Organic Compounds by GC/MS - Quality Control Data

### York Analytical Laboratories, Inc. - Stratford

| Analyte                                | Result                                        | Reporting Limit | Units     | Spike Level | Source* Result | %REC | %REC Limits                                      | Flag     | RPD   | RPD Limit | Flag |
|----------------------------------------|-----------------------------------------------|-----------------|-----------|-------------|----------------|------|--------------------------------------------------|----------|-------|-----------|------|
| <b>Batch BA30311 - EPA 3550C</b>       |                                               |                 |           |             |                |      |                                                  |          |       |           |      |
| <b>Matrix Spike Dup (BA30311-MSD1)</b> | <b>*Source sample: 23A0263-02 (B-7 11-13)</b> |                 |           |             |                |      | <b>Prepared: 01/09/2023 Analyzed: 01/10/2023</b> |          |       |           |      |
| 1,1-Biphenyl                           | 0.740                                         | 0.0943          | mg/kg dry | 0.942       | ND             | 78.6 | 10-130                                           |          | 3.01  | 30        |      |
| 1,2,4,5-Tetrachlorobenzene             | 0.778                                         | 0.188           | "         | 0.942       | ND             | 82.6 | 10-133                                           |          | 3.24  | 30        |      |
| 1,2,4-Trichlorobenzene                 | 0.720                                         | 0.0943          | "         | 0.942       | ND             | 76.4 | 10-127                                           |          | 0.947 | 30        |      |
| 1,2-Dichlorobenzene                    | 0.680                                         | 0.0943          | "         | 0.942       | ND             | 72.2 | 14-111                                           |          | 3.84  | 30        |      |
| 1,2-Diphenylhydrazine (as Azobenzene)  | 0.707                                         | 0.0943          | "         | 0.942       | ND             | 75.0 | 10-144                                           |          | 2.01  | 30        |      |
| 1,3-Dichlorobenzene                    | 0.652                                         | 0.0943          | "         | 0.942       | ND             | 69.2 | 11-111                                           |          | 1.40  | 30        |      |
| 1,4-Dichlorobenzene                    | 0.665                                         | 0.0943          | "         | 0.942       | ND             | 70.6 | 10-106                                           |          | 0.797 | 30        |      |
| 2,3,4,6-Tetrachlorophenol              | 0.914                                         | 0.188           | "         | 0.942       | ND             | 97.0 | 30-130                                           |          | 0.903 | 30        |      |
| 2,4,5-Trichlorophenol                  | 0.792                                         | 0.0943          | "         | 0.942       | ND             | 84.0 | 10-127                                           |          | 6.90  | 30        |      |
| 2,4,6-Trichlorophenol                  | 0.787                                         | 0.0943          | "         | 0.942       | ND             | 83.5 | 10-132                                           |          | 3.39  | 30        |      |
| 2,4-Dichlorophenol                     | 0.769                                         | 0.0943          | "         | 0.942       | ND             | 81.6 | 10-128                                           |          | 5.99  | 30        |      |
| 2,4-Dimethylphenol                     | 0.777                                         | 0.0943          | "         | 0.942       | ND             | 82.4 | 10-137                                           |          | 1.16  | 30        |      |
| 2,4-Dinitrophenol                      | 0.595                                         | 0.188           | "         | 0.942       | ND             | 63.1 | 10-171                                           |          | 15.1  | 30        |      |
| 2,4-Dinitrotoluene                     | 1.07                                          | 0.0943          | "         | 0.942       | ND             | 113  | 16-135                                           |          | 5.51  | 30        |      |
| 2,6-Dinitrotoluene                     | 0.986                                         | 0.0943          | "         | 0.942       | ND             | 105  | 18-131                                           |          | 5.14  | 30        |      |
| 2-Chloronaphthalene                    | 0.696                                         | 0.0943          | "         | 0.942       | ND             | 73.8 | 10-129                                           |          | 4.24  | 30        |      |
| 2-Chlorophenol                         | 0.706                                         | 0.0943          | "         | 0.942       | ND             | 75.0 | 15-116                                           |          | 2.11  | 30        |      |
| 2-Methylnaphthalene                    | 0.725                                         | 0.0943          | "         | 0.942       | ND             | 77.0 | 10-147                                           |          | 3.87  | 30        |      |
| 2-Methylphenol                         | 0.709                                         | 0.0943          | "         | 0.942       | ND             | 75.3 | 10-136                                           |          | 0.00  | 30        |      |
| 2-Nitroaniline                         | 0.899                                         | 0.188           | "         | 0.942       | ND             | 95.4 | 10-137                                           |          | 5.63  | 30        |      |
| 2-Nitrophenol                          | 0.801                                         | 0.0943          | "         | 0.942       | ND             | 85.0 | 10-129                                           |          | 5.40  | 30        |      |
| 3- & 4-Methylphenols                   | 0.619                                         | 0.0943          | "         | 0.942       | ND             | 65.7 | 10-123                                           |          | 3.59  | 30        |      |
| 3,3-Dichlorobenzidine                  | 0.722                                         | 0.0943          | "         | 0.942       | ND             | 76.6 | 10-155                                           |          | 5.36  | 30        |      |
| 3-Nitroaniline                         | 0.866                                         | 0.188           | "         | 0.942       | ND             | 91.9 | 12-133                                           |          | 5.17  | 30        |      |
| 4,6-Dinitro-2-methylphenol             | 0.833                                         | 0.188           | "         | 0.942       | ND             | 88.4 | 10-155                                           |          | 18.6  | 30        |      |
| 4-Bromophenyl phenyl ether             | 0.770                                         | 0.0943          | "         | 0.942       | ND             | 81.7 | 14-128                                           |          | 5.25  | 30        |      |
| 4-Chloro-3-methylphenol                | 0.813                                         | 0.0943          | "         | 0.942       | ND             | 86.2 | 10-134                                           |          | 6.12  | 30        |      |
| 4-Chloroaniline                        | 0.640                                         | 0.0943          | "         | 0.942       | ND             | 67.9 | 10-145                                           |          | 1.07  | 30        |      |
| 4-Chlorophenyl phenyl ether            | 0.780                                         | 0.0943          | "         | 0.942       | ND             | 82.7 | 14-130                                           |          | 6.19  | 30        |      |
| 4-Nitroaniline                         | 0.890                                         | 0.188           | "         | 0.942       | ND             | 94.5 | 10-147                                           |          | 3.74  | 30        |      |
| 4-Nitrophenol                          | 0.823                                         | 0.188           | "         | 0.942       | ND             | 87.3 | 10-137                                           |          | 5.35  | 30        |      |
| Acenaphthene                           | 0.714                                         | 0.0943          | "         | 0.942       | ND             | 75.8 | 10-146                                           |          | 3.02  | 30        |      |
| Acenaphthylene                         | 0.685                                         | 0.0943          | "         | 0.942       | ND             | 72.6 | 10-134                                           |          | 2.93  | 30        |      |
| Acetophenone                           | 0.681                                         | 0.0943          | "         | 0.942       | ND             | 72.2 | 10-116                                           |          | 2.41  | 30        |      |
| Aniline                                | 0.681                                         | 0.378           | "         | 0.942       | ND             | 72.2 | 10-123                                           |          | 9.51  | 30        |      |
| Anthracene                             | 0.807                                         | 0.0943          | "         | 0.942       | ND             | 85.7 | 10-142                                           |          | 3.22  | 30        |      |
| Atrazine                               | 0.846                                         | 0.0943          | "         | 0.942       | ND             | 89.8 | 19-115                                           |          | 8.61  | 30        |      |
| Benzaldehyde                           | 0.711                                         | 0.0943          | "         | 0.942       | ND             | 75.4 | 10-125                                           |          | 1.99  | 30        |      |
| Benzo(a)anthracene                     | 0.798                                         | 0.0943          | "         | 0.942       | ND             | 84.7 | 10-158                                           |          | 5.78  | 30        |      |
| Benzo(a)pyrene                         | 0.836                                         | 0.0943          | "         | 0.942       | ND             | 88.7 | 10-180                                           |          | 3.80  | 30        |      |
| Benzo(b)fluoranthene                   | 0.857                                         | 0.0943          | "         | 0.942       | ND             | 91.0 | 10-200                                           |          | 5.97  | 30        |      |
| Benzo(g,h,i)perylene                   | 0.817                                         | 0.0943          | "         | 0.942       | ND             | 86.6 | 10-138                                           |          | 2.28  | 30        |      |
| Benzo(k)fluoranthene                   | 0.881                                         | 0.0943          | "         | 0.942       | ND             | 93.5 | 10-197                                           |          | 5.00  | 30        |      |
| Benzoic acid                           | 0.0528                                        | 0.0943          | "         | 0.942       | ND             | 5.60 | 10-166                                           | Low Bias |       | 30        |      |
| Benzyl alcohol                         | 0.619                                         | 0.0943          | "         | 0.942       | ND             | 65.7 | 12-124                                           |          | 3.35  | 30        |      |
| Benzyl butyl phthalate                 | 0.758                                         | 0.0943          | "         | 0.942       | ND             | 80.4 | 10-154                                           |          | 7.84  | 30        |      |
| Bis(2-chloroethoxy)methane             | 0.682                                         | 0.0943          | "         | 0.942       | ND             | 72.4 | 10-132                                           |          | 5.59  | 30        |      |
| Bis(2-chloroethyl)ether                | 0.678                                         | 0.0943          | "         | 0.942       | ND             | 71.9 | 10-119                                           |          | 0.894 | 30        |      |
| Bis(2-chloroisopropyl)ether            | 0.666                                         | 0.0943          | "         | 0.942       | ND             | 70.7 | 10-139                                           |          | 0.00  | 30        |      |
| Bis(2-ethylhexyl)phthalate             | 0.784                                         | 0.0943          | "         | 0.942       | ND             | 83.2 | 10-167                                           |          | 7.41  | 30        |      |
| Caprolactam                            | 0.968                                         | 0.188           | "         | 0.942       | ND             | 103  | 10-132                                           |          | 7.28  | 30        |      |



## Semivolatile Organic Compounds by GC/MS - Quality Control Data

### York Analytical Laboratories, Inc. - Stratford

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

#### Batch BA30311 - EPA 3550C

| Matrix Spike Dup (BA30311-MSD1)       | *Source sample: 23A0263-02 (B-7 11-13) |        |           |       |    | Prepared: 01/09/2023 Analyzed: 01/10/2023 |        |  |       |    |  |
|---------------------------------------|----------------------------------------|--------|-----------|-------|----|-------------------------------------------|--------|--|-------|----|--|
| Carbazole                             | 0.798                                  | 0.0943 | mg/kg dry | 0.942 | ND | 84.6                                      | 10-167 |  | 4.26  | 30 |  |
| Chrysene                              | 0.799                                  | 0.0943 | "         | 0.942 | ND | 84.8                                      | 10-156 |  | 5.77  | 30 |  |
| Dibenzo(a,h)anthracene                | 0.767                                  | 0.0943 | "         | 0.942 | ND | 81.4                                      | 10-137 |  | 3.57  | 30 |  |
| Dibenzofuran                          | 0.763                                  | 0.0943 | "         | 0.942 | ND | 81.0                                      | 10-147 |  | 3.02  | 30 |  |
| Diethyl phthalate                     | 0.786                                  | 0.0943 | "         | 0.942 | ND | 83.4                                      | 20-120 |  | 4.32  | 30 |  |
| Dimethyl phthalate                    | 0.801                                  | 0.0943 | "         | 0.942 | ND | 85.0                                      | 18-131 |  | 2.78  | 30 |  |
| Di-n-butyl phthalate                  | 0.766                                  | 0.0943 | "         | 0.942 | ND | 81.3                                      | 10-137 |  | 4.62  | 30 |  |
| Di-n-octyl phthalate                  | 0.806                                  | 0.0943 | "         | 0.942 | ND | 85.5                                      | 10-180 |  | 5.10  | 30 |  |
| Fluoranthene                          | 0.766                                  | 0.0943 | "         | 0.942 | ND | 81.3                                      | 10-160 |  | 4.33  | 30 |  |
| Fluorene                              | 0.777                                  | 0.0943 | "         | 0.942 | ND | 82.4                                      | 10-157 |  | 2.59  | 30 |  |
| Hexachlorobenzene                     | 0.758                                  | 0.0943 | "         | 0.942 | ND | 80.5                                      | 10-137 |  | 3.13  | 30 |  |
| Hexachlorobutadiene                   | 0.773                                  | 0.0943 | "         | 0.942 | ND | 82.0                                      | 10-132 |  | 3.17  | 30 |  |
| Hexachlorocyclopentadiene             | 0.421                                  | 0.0943 | "         | 0.942 | ND | 44.6                                      | 10-106 |  | 0.714 | 30 |  |
| Hexachloroethane                      | 0.646                                  | 0.0943 | "         | 0.942 | ND | 68.6                                      | 10-110 |  | 2.48  | 30 |  |
| Indeno(1,2,3-cd)pyrene                | 0.788                                  | 0.0943 | "         | 0.942 | ND | 83.6                                      | 10-144 |  | 4.22  | 30 |  |
| Isophorone                            | 0.763                                  | 0.0943 | "         | 0.942 | ND | 81.0                                      | 10-132 |  | 2.73  | 30 |  |
| Naphthalene                           | 0.707                                  | 0.0943 | "         | 0.942 | ND | 75.0                                      | 10-141 |  | 2.53  | 30 |  |
| Nitrobenzene                          | 0.793                                  | 0.0943 | "         | 0.942 | ND | 84.2                                      | 10-131 |  | 1.32  | 30 |  |
| N-Nitrosodimethylamine                | 0.644                                  | 0.0943 | "         | 0.942 | ND | 68.3                                      | 10-126 |  | 0.584 | 30 |  |
| N-nitroso-di-n-propylamine            | 0.685                                  | 0.0943 | "         | 0.942 | ND | 72.6                                      | 10-125 |  | 0.440 | 30 |  |
| N-Nitrosodiphenylamine                | 0.877                                  | 0.0943 | "         | 0.942 | ND | 93.0                                      | 10-177 |  | 0.345 | 30 |  |
| Pentachlorophenol                     | 0.513                                  | 0.0943 | "         | 0.942 | ND | 54.4                                      | 10-153 |  | 10.1  | 30 |  |
| Phenanthrene                          | 0.756                                  | 0.0943 | "         | 0.942 | ND | 80.2                                      | 10-148 |  | 4.10  | 30 |  |
| Phenol                                | 0.780                                  | 0.0943 | "         | 0.942 | ND | 82.7                                      | 10-126 |  | 1.25  | 30 |  |
| Pyrene                                | 0.737                                  | 0.0943 | "         | 0.942 | ND | 78.2                                      | 10-165 |  | 3.52  | 30 |  |
| Surrogate: SURR: 2-Fluorophenol       | 1.49                                   |        | "         | 1.88  |    | 79.0                                      | 20-108 |  |       |    |  |
| Surrogate: SURR: Phenol-d5            | 1.45                                   |        | "         | 1.88  |    | 77.0                                      | 23-114 |  |       |    |  |
| Surrogate: SURR: Nitrobenzene-d5      | 0.872                                  |        | "         | 0.942 |    | 92.5                                      | 22-108 |  |       |    |  |
| Surrogate: SURR: 2-Fluorobiphenyl     | 0.743                                  |        | "         | 0.942 |    | 78.9                                      | 21-113 |  |       |    |  |
| Surrogate: SURR: 2,4,6-Tribromophenol | 1.84                                   |        | "         | 1.88  |    | 97.7                                      | 19-110 |  |       |    |  |
| Surrogate: SURR: Terphenyl-d14        | 0.902                                  |        | "         | 0.942 |    | 95.7                                      | 24-116 |  |       |    |  |



## Semivolatile Organic Compounds by GC/MS - Quality Control Data

### York Analytical Laboratories, Inc. - Stratford

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source*<br>Result | %REC | %REC<br>Limits | Flag | RPD | RPD<br>Limit | Flag |
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|

#### Batch BA30312 - EPA 3550C

##### Blank (BA30312-BLK1)

Prepared & Analyzed: 01/09/2023

|                                       |    |        |           |
|---------------------------------------|----|--------|-----------|
| 1,1-Biphenyl                          | ND | 0.0417 | mg/kg wet |
| 1,2,4,5-Tetrachlorobenzene            | ND | 0.0833 | "         |
| 1,2,4-Trichlorobenzene                | ND | 0.0417 | "         |
| 1,2-Dichlorobenzene                   | ND | 0.0417 | "         |
| 1,2-Diphenylhydrazine (as Azobenzene) | ND | 0.0417 | "         |
| 1,3-Dichlorobenzene                   | ND | 0.0417 | "         |
| 1,4-Dichlorobenzene                   | ND | 0.0417 | "         |
| 2,3,4,6-Tetrachlorophenol             | ND | 0.0833 | "         |
| 2,4,5-Trichlorophenol                 | ND | 0.0417 | "         |
| 2,4,6-Trichlorophenol                 | ND | 0.0417 | "         |
| 2,4-Dichlorophenol                    | ND | 0.0417 | "         |
| 2,4-Dimethylphenol                    | ND | 0.0417 | "         |
| 2,4-Dinitrophenol                     | ND | 0.0833 | "         |
| 2,4-Dinitrotoluene                    | ND | 0.0417 | "         |
| 2,6-Dinitrotoluene                    | ND | 0.0417 | "         |
| 2-Chloronaphthalene                   | ND | 0.0417 | "         |
| 2-Chlorophenol                        | ND | 0.0417 | "         |
| 2-Methylnaphthalene                   | ND | 0.0417 | "         |
| 2-Methylphenol                        | ND | 0.0417 | "         |
| 2-Nitroaniline                        | ND | 0.0833 | "         |
| 2-Nitrophenol                         | ND | 0.0417 | "         |
| 3- & 4-Methylphenols                  | ND | 0.0417 | "         |
| 3,3-Dichlorobenzidine                 | ND | 0.0417 | "         |
| 3-Nitroaniline                        | ND | 0.0833 | "         |
| 4,6-Dinitro-2-methylphenol            | ND | 0.0833 | "         |
| 4-Bromophenyl phenyl ether            | ND | 0.0417 | "         |
| 4-Chloro-3-methylphenol               | ND | 0.0417 | "         |
| 4-Chloroaniline                       | ND | 0.0417 | "         |
| 4-Chlorophenyl phenyl ether           | ND | 0.0417 | "         |
| 4-Nitroaniline                        | ND | 0.0833 | "         |
| 4-Nitrophenol                         | ND | 0.0833 | "         |
| Acenaphthene                          | ND | 0.0417 | "         |
| Acenaphthylene                        | ND | 0.0417 | "         |
| Acetophenone                          | ND | 0.0417 | "         |
| Aniline                               | ND | 0.167  | "         |
| Anthracene                            | ND | 0.0417 | "         |
| Atrazine                              | ND | 0.0417 | "         |
| Benzaldehyde                          | ND | 0.0417 | "         |
| Benzidine                             | ND | 0.167  | "         |
| Benzo(a)anthracene                    | ND | 0.0417 | "         |
| Benzo(a)pyrene                        | ND | 0.0417 | "         |
| Benzo(b)fluoranthene                  | ND | 0.0417 | "         |
| Benzo(g,h,i)perylene                  | ND | 0.0417 | "         |
| Benzo(k)fluoranthene                  | ND | 0.0417 | "         |
| Benzoic acid                          | ND | 0.0417 | "         |
| Benzyl alcohol                        | ND | 0.0417 | "         |
| Benzyl butyl phthalate                | ND | 0.0417 | "         |
| Bis(2-chloroethoxy)methane            | ND | 0.0417 | "         |
| Bis(2-chloroethyl)ether               | ND | 0.0417 | "         |
| Bis(2-chloroisopropyl)ether           | ND | 0.0417 | "         |
| Bis(2-ethylhexyl)phthalate            | ND | 0.0417 | "         |



## Semivolatile Organic Compounds by GC/MS - Quality Control Data

### York Analytical Laboratories, Inc. - Stratford

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source*<br>Result | %REC | %REC<br>Limits | Flag | RPD | RPD<br>Limit | Flag |
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|

#### Batch BA30312 - EPA 3550C

##### Blank (BA30312-BLK1)

Prepared & Analyzed: 01/09/2023

|                                       |       |        |           |       |  |      |        |  |  |  |  |
|---------------------------------------|-------|--------|-----------|-------|--|------|--------|--|--|--|--|
| Caprolactam                           | ND    | 0.0833 | mg/kg wet |       |  |      |        |  |  |  |  |
| Carbazole                             | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Chrysene                              | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Dibenzo(a,h)anthracene                | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Dibenzofuran                          | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Diethyl phthalate                     | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Dimethyl phthalate                    | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Di-n-butyl phthalate                  | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Di-n-octyl phthalate                  | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Fluoranthene                          | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Fluorene                              | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Hexachlorobenzene                     | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Hexachlorobutadiene                   | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Hexachlorocyclopentadiene             | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Hexachloroethane                      | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Indeno(1,2,3-cd)pyrene                | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Isophorone                            | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Naphthalene                           | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Nitrobenzene                          | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| N-Nitrosodimethylamine                | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| N-nitroso-di-n-propylamine            | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| N-Nitrosodiphenylamine                | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Pentachlorophenol                     | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Phenanthrene                          | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Phenol                                | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Pyrene                                | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Surrogate: SURR: 2-Fluorophenol       | 0.702 |        | "         | 1.67  |  | 42.1 | 20-108 |  |  |  |  |
| Surrogate: SURR: Phenol-d5            | 0.720 |        | "         | 1.67  |  | 43.2 | 23-114 |  |  |  |  |
| Surrogate: SURR: Nitrobenzene-d5      | 0.262 |        | "         | 0.833 |  | 31.4 | 22-108 |  |  |  |  |
| Surrogate: SURR: 2-Fluorobiphenyl     | 0.385 |        | "         | 0.833 |  | 46.2 | 21-113 |  |  |  |  |
| Surrogate: SURR: 2,4,6-Tribromophenol | 0.774 |        | "         | 1.67  |  | 46.5 | 19-110 |  |  |  |  |
| Surrogate: SURR: Terphenyl-d14        | 0.493 |        | "         | 0.833 |  | 59.2 | 24-116 |  |  |  |  |





## Semivolatile Organic Compounds by GC/MS - Quality Control Data

### York Analytical Laboratories, Inc. - Stratford

| Analyte                               | Result | Reporting Limit | Units     | Spike Level | Source* Result | %REC                                      | %REC Limits | Flag     | RPD | RPD Limit | Flag |
|---------------------------------------|--------|-----------------|-----------|-------------|----------------|-------------------------------------------|-------------|----------|-----|-----------|------|
| <b>Batch BA30312 - EPA 3550C</b>      |        |                 |           |             |                |                                           |             |          |     |           |      |
| <b>LCS (BA30312-BS1)</b>              |        |                 |           |             |                | Prepared: 01/09/2023 Analyzed: 01/10/2023 |             |          |     |           |      |
| 1,1-Biphenyl                          | 0.506  | 0.0417          | mg/kg wet | 0.833       |                | 60.7                                      | 18-111      |          |     |           |      |
| 1,2,4,5-Tetrachlorobenzene            | 0.486  | 0.0833          | "         | 0.833       |                | 58.4                                      | 21-131      |          |     |           |      |
| 1,2,4-Trichlorobenzene                | 0.466  | 0.0417          | "         | 0.833       |                | 55.9                                      | 10-140      |          |     |           |      |
| 1,2-Dichlorobenzene                   | 0.430  | 0.0417          | "         | 0.833       |                | 51.6                                      | 34-108      |          |     |           |      |
| 1,2-Diphenylhydrazine (as Azobenzene) | 0.501  | 0.0417          | "         | 0.833       |                | 60.1                                      | 17-137      |          |     |           |      |
| 1,3-Dichlorobenzene                   | 0.431  | 0.0417          | "         | 0.833       |                | 51.8                                      | 33-110      |          |     |           |      |
| 1,4-Dichlorobenzene                   | 0.436  | 0.0417          | "         | 0.833       |                | 52.4                                      | 32-104      |          |     |           |      |
| 2,3,4,6-Tetrachlorophenol             | 0.576  | 0.0833          | "         | 0.833       |                | 69.2                                      | 30-130      |          |     |           |      |
| 2,4,5-Trichlorophenol                 | 0.517  | 0.0417          | "         | 0.833       |                | 62.1                                      | 27-118      |          |     |           |      |
| 2,4,6-Trichlorophenol                 | 0.515  | 0.0417          | "         | 0.833       |                | 61.8                                      | 31-120      |          |     |           |      |
| 2,4-Dichlorophenol                    | 0.495  | 0.0417          | "         | 0.833       |                | 59.4                                      | 20-127      |          |     |           |      |
| 2,4-Dimethylphenol                    | 0.527  | 0.0417          | "         | 0.833       |                | 63.2                                      | 14-132      |          |     |           |      |
| 2,4-Dinitrophenol                     | 0.229  | 0.0833          | "         | 0.833       |                | 27.5                                      | 10-171      |          |     |           |      |
| 2,4-Dinitrotoluene                    | 0.566  | 0.0417          | "         | 0.833       |                | 67.9                                      | 34-131      |          |     |           |      |
| 2,6-Dinitrotoluene                    | 0.579  | 0.0417          | "         | 0.833       |                | 69.5                                      | 31-128      |          |     |           |      |
| 2-Chloronaphthalene                   | 0.479  | 0.0417          | "         | 0.833       |                | 57.5                                      | 31-117      |          |     |           |      |
| 2-Chlorophenol                        | 0.447  | 0.0417          | "         | 0.833       |                | 53.6                                      | 33-113      |          |     |           |      |
| 2-Methylnaphthalene                   | 0.486  | 0.0417          | "         | 0.833       |                | 58.3                                      | 12-138      |          |     |           |      |
| 2-Methylphenol                        | 0.467  | 0.0417          | "         | 0.833       |                | 56.0                                      | 10-136      |          |     |           |      |
| 2-Nitroaniline                        | 0.541  | 0.0833          | "         | 0.833       |                | 64.9                                      | 27-132      |          |     |           |      |
| 2-Nitrophenol                         | 0.494  | 0.0417          | "         | 0.833       |                | 59.3                                      | 17-129      |          |     |           |      |
| 3- & 4-Methylphenols                  | 0.419  | 0.0417          | "         | 0.833       |                | 50.3                                      | 29-103      |          |     |           |      |
| 3,3-Dichlorobenzidine                 | 0.438  | 0.0417          | "         | 0.833       |                | 52.6                                      | 22-149      |          |     |           |      |
| 3-Nitroaniline                        | 0.432  | 0.0833          | "         | 0.833       |                | 51.8                                      | 20-133      |          |     |           |      |
| 4,6-Dinitro-2-methylphenol            | 0.637  | 0.0833          | "         | 0.833       |                | 76.5                                      | 10-143      |          |     |           |      |
| 4-Bromophenyl phenyl ether            | 0.513  | 0.0417          | "         | 0.833       |                | 61.5                                      | 29-120      |          |     |           |      |
| 4-Chloro-3-methylphenol               | 0.520  | 0.0417          | "         | 0.833       |                | 62.4                                      | 24-129      |          |     |           |      |
| 4-Chloroaniline                       | 0.233  | 0.0417          | "         | 0.833       |                | 27.9                                      | 10-132      |          |     |           |      |
| 4-Chlorophenyl phenyl ether           | 0.508  | 0.0417          | "         | 0.833       |                | 61.0                                      | 27-124      |          |     |           |      |
| 4-Nitroaniline                        | 0.504  | 0.0833          | "         | 0.833       |                | 60.5                                      | 16-128      |          |     |           |      |
| 4-Nitrophenol                         | 0.530  | 0.0833          | "         | 0.833       |                | 63.6                                      | 10-141      |          |     |           |      |
| Acenaphthene                          | 0.497  | 0.0417          | "         | 0.833       |                | 59.7                                      | 30-121      |          |     |           |      |
| Acenaphthylene                        | 0.462  | 0.0417          | "         | 0.833       |                | 55.4                                      | 30-115      |          |     |           |      |
| Acetophenone                          | 0.446  | 0.0417          | "         | 0.833       |                | 53.5                                      | 20-112      |          |     |           |      |
| Aniline                               | 0.444  | 0.167           | "         | 0.833       |                | 53.3                                      | 10-119      |          |     |           |      |
| Anthracene                            | 0.569  | 0.0417          | "         | 0.833       |                | 68.3                                      | 34-118      |          |     |           |      |
| Atrazine                              | 0.574  | 0.0417          | "         | 0.833       |                | 68.9                                      | 26-112      |          |     |           |      |
| Benzaldehyde                          | 0.434  | 0.0417          | "         | 0.833       |                | 52.0                                      | 21-100      |          |     |           |      |
| Benzo(a)anthracene                    | 0.565  | 0.0417          | "         | 0.833       |                | 67.8                                      | 32-122      |          |     |           |      |
| Benzo(a)pyrene                        | 0.514  | 0.0417          | "         | 0.833       |                | 61.7                                      | 29-133      |          |     |           |      |
| Benzo(b)fluoranthene                  | 0.544  | 0.0417          | "         | 0.833       |                | 65.2                                      | 25-133      |          |     |           |      |
| Benzo(g,h,i)perylene                  | 0.530  | 0.0417          | "         | 0.833       |                | 63.6                                      | 10-143      |          |     |           |      |
| Benzo(k)fluoranthene                  | 0.562  | 0.0417          | "         | 0.833       |                | 67.4                                      | 25-128      |          |     |           |      |
| Benzoic acid                          | 0.0403 | 0.0417          | "         | 0.833       |                | 4.84                                      | 10-140      | Low Bias |     |           |      |
| Benzyl alcohol                        | 0.455  | 0.0417          | "         | 0.833       |                | 54.6                                      | 30-115      |          |     |           |      |
| Benzyl butyl phthalate                | 0.563  | 0.0417          | "         | 0.833       |                | 67.6                                      | 26-126      |          |     |           |      |
| Bis(2-chloroethoxy)methane            | 0.465  | 0.0417          | "         | 0.833       |                | 55.8                                      | 19-132      |          |     |           |      |
| Bis(2-chloroethyl)ether               | 0.425  | 0.0417          | "         | 0.833       |                | 51.0                                      | 19-125      |          |     |           |      |
| Bis(2-chloroisopropyl)ether           | 0.424  | 0.0417          | "         | 0.833       |                | 50.8                                      | 20-135      |          |     |           |      |
| Bis(2-ethylhexyl)phthalate            | 0.584  | 0.0417          | "         | 0.833       |                | 70.0                                      | 10-155      |          |     |           |      |
| Caprolactam                           | 0.638  | 0.0833          | "         | 0.833       |                | 76.6                                      | 10-127      |          |     |           |      |



## Semivolatile Organic Compounds by GC/MS - Quality Control Data

### York Analytical Laboratories, Inc. - Stratford

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source*<br>Result | %REC | %REC<br>Limits | Flag | RPD | RPD<br>Limit | Flag |
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|

#### Batch BA30312 - EPA 3550C

##### LCS (BA30312-BS1)

Prepared: 01/09/2023 Analyzed: 01/10/2023

|                                       |       |        |           |       |  |      |        |  |  |  |  |
|---------------------------------------|-------|--------|-----------|-------|--|------|--------|--|--|--|--|
| Carbazole                             | 0.572 | 0.0417 | mg/kg wet | 0.833 |  | 68.6 | 35-123 |  |  |  |  |
| Chrysene                              | 0.535 | 0.0417 | "         | 0.833 |  | 64.2 | 32-123 |  |  |  |  |
| Dibenzo(a,h)anthracene                | 0.533 | 0.0417 | "         | 0.833 |  | 63.9 | 10-136 |  |  |  |  |
| Dibenzofuran                          | 0.501 | 0.0417 | "         | 0.833 |  | 60.2 | 29-121 |  |  |  |  |
| Diethyl phthalate                     | 0.536 | 0.0417 | "         | 0.833 |  | 64.3 | 34-116 |  |  |  |  |
| Dimethyl phthalate                    | 0.519 | 0.0417 | "         | 0.833 |  | 62.2 | 35-124 |  |  |  |  |
| Di-n-butyl phthalate                  | 0.560 | 0.0417 | "         | 0.833 |  | 67.2 | 31-116 |  |  |  |  |
| Di-n-octyl phthalate                  | 0.573 | 0.0417 | "         | 0.833 |  | 68.8 | 26-136 |  |  |  |  |
| Fluoranthene                          | 0.541 | 0.0417 | "         | 0.833 |  | 64.9 | 33-122 |  |  |  |  |
| Fluorene                              | 0.519 | 0.0417 | "         | 0.833 |  | 62.2 | 29-123 |  |  |  |  |
| Hexachlorobenzene                     | 0.513 | 0.0417 | "         | 0.833 |  | 61.6 | 21-124 |  |  |  |  |
| Hexachlorobutadiene                   | 0.437 | 0.0417 | "         | 0.833 |  | 52.4 | 10-149 |  |  |  |  |
| Hexachlorocyclopentadiene             | 0.409 | 0.0417 | "         | 0.833 |  | 49.1 | 10-129 |  |  |  |  |
| Hexachloroethane                      | 0.425 | 0.0417 | "         | 0.833 |  | 51.0 | 28-108 |  |  |  |  |
| Indeno(1,2,3-cd)pyrene                | 0.525 | 0.0417 | "         | 0.833 |  | 63.0 | 10-135 |  |  |  |  |
| Isophorone                            | 0.508 | 0.0417 | "         | 0.833 |  | 60.9 | 20-132 |  |  |  |  |
| Naphthalene                           | 0.476 | 0.0417 | "         | 0.833 |  | 57.1 | 23-124 |  |  |  |  |
| Nitrobenzene                          | 0.451 | 0.0417 | "         | 0.833 |  | 54.2 | 13-132 |  |  |  |  |
| N-Nitrosodimethylamine                | 0.411 | 0.0417 | "         | 0.833 |  | 49.3 | 11-129 |  |  |  |  |
| N-nitroso-di-n-propylamine            | 0.451 | 0.0417 | "         | 0.833 |  | 54.1 | 24-119 |  |  |  |  |
| N-Nitrosodiphenylamine                | 0.623 | 0.0417 | "         | 0.833 |  | 74.7 | 22-152 |  |  |  |  |
| Pentachlorophenol                     | 0.470 | 0.0417 | "         | 0.833 |  | 56.4 | 10-139 |  |  |  |  |
| Phenanthrene                          | 0.552 | 0.0417 | "         | 0.833 |  | 66.2 | 33-123 |  |  |  |  |
| Phenol                                | 0.451 | 0.0417 | "         | 0.833 |  | 54.1 | 23-115 |  |  |  |  |
| Pyrene                                | 0.536 | 0.0417 | "         | 0.833 |  | 64.4 | 32-130 |  |  |  |  |
| Surrogate: SURR: 2-Fluorophenol       | 0.878 |        | "         | 1.67  |  | 52.7 | 20-108 |  |  |  |  |
| Surrogate: SURR: Phenol-d5            | 0.898 |        | "         | 1.67  |  | 53.9 | 23-114 |  |  |  |  |
| Surrogate: SURR: Nitrobenzene-d5      | 0.454 |        | "         | 0.833 |  | 54.5 | 22-108 |  |  |  |  |
| Surrogate: SURR: 2-Fluorobiphenyl     | 0.471 |        | "         | 0.833 |  | 56.5 | 21-113 |  |  |  |  |
| Surrogate: SURR: 2,4,6-Tribromophenol | 1.13  |        | "         | 1.67  |  | 67.9 | 19-110 |  |  |  |  |
| Surrogate: SURR: Terphenyl-d14        | 0.581 |        | "         | 0.833 |  | 69.8 | 24-116 |  |  |  |  |



## Semivolatile Organic Compounds by GC/MS - Quality Control Data

### York Analytical Laboratories, Inc. - Stratford

| Analyte                               | Result | Reporting Limit                           | Units     | Spike Level | Source* Result | %REC | %REC Limits | Flag                                      | RPD | RPD Limit | Flag |
|---------------------------------------|--------|-------------------------------------------|-----------|-------------|----------------|------|-------------|-------------------------------------------|-----|-----------|------|
| <b>Batch BA30312 - EPA 3550C</b>      |        |                                           |           |             |                |      |             |                                           |     |           |      |
| <b>Matrix Spike (BA30312-MS1)</b>     |        | *Source sample: 23A0238-02 (Matrix Spike) |           |             |                |      |             | Prepared: 01/09/2023 Analyzed: 01/10/2023 |     |           |      |
| 1,1-Biphenyl                          | 0.479  | 0.0932                                    | mg/kg dry | 0.931       | ND             | 51.4 | 10-130      |                                           |     |           |      |
| 1,2,4,5-Tetrachlorobenzene            | 0.527  | 0.186                                     | "         | 0.931       | ND             | 56.6 | 10-133      |                                           |     |           |      |
| 1,2,4-Trichlorobenzene                | 0.471  | 0.0932                                    | "         | 0.931       | ND             | 50.6 | 10-127      |                                           |     |           |      |
| 1,2-Dichlorobenzene                   | 0.419  | 0.0932                                    | "         | 0.931       | ND             | 45.0 | 14-111      |                                           |     |           |      |
| 1,2-Diphenylhydrazine (as Azobenzene) | 0.528  | 0.0932                                    | "         | 0.931       | ND             | 56.7 | 10-144      |                                           |     |           |      |
| 1,3-Dichlorobenzene                   | 0.410  | 0.0932                                    | "         | 0.931       | ND             | 44.0 | 11-111      |                                           |     |           |      |
| 1,4-Dichlorobenzene                   | 0.413  | 0.0932                                    | "         | 0.931       | ND             | 44.3 | 10-106      |                                           |     |           |      |
| 2,3,4,6-Tetrachlorophenol             | 0.615  | 0.186                                     | "         | 0.931       | ND             | 66.0 | 30-130      |                                           |     |           |      |
| 2,4,5-Trichlorophenol                 | 0.595  | 0.0932                                    | "         | 0.931       | ND             | 63.9 | 10-127      |                                           |     |           |      |
| 2,4,6-Trichlorophenol                 | 0.565  | 0.0932                                    | "         | 0.931       | ND             | 60.7 | 10-132      |                                           |     |           |      |
| 2,4-Dichlorophenol                    | 0.542  | 0.0932                                    | "         | 0.931       | ND             | 58.2 | 10-128      |                                           |     |           |      |
| 2,4-Dimethylphenol                    | 0.513  | 0.0932                                    | "         | 0.931       | ND             | 55.0 | 10-137      |                                           |     |           |      |
| 2,4-Dinitrophenol                     | ND     | 0.186                                     | "         | 0.931       | ND             |      | 10-171      | Low Bias                                  |     |           |      |
| 2,4-Dinitrotoluene                    | 0.329  | 0.0932                                    | "         | 0.931       | ND             | 35.3 | 16-135      |                                           |     |           |      |
| 2,6-Dinitrotoluene                    | 0.375  | 0.0932                                    | "         | 0.931       | ND             | 40.3 | 18-131      |                                           |     |           |      |
| 2-Chloronaphthalene                   | 0.468  | 0.0932                                    | "         | 0.931       | ND             | 50.2 | 10-129      |                                           |     |           |      |
| 2-Chlorophenol                        | 0.450  | 0.0932                                    | "         | 0.931       | ND             | 48.3 | 15-116      |                                           |     |           |      |
| 2-Methylnaphthalene                   | 0.477  | 0.0932                                    | "         | 0.931       | 0.0564         | 45.1 | 10-147      |                                           |     |           |      |
| 2-Methylphenol                        | 0.457  | 0.0932                                    | "         | 0.931       | ND             | 49.1 | 10-136      |                                           |     |           |      |
| 2-Nitroaniline                        | 0.556  | 0.186                                     | "         | 0.931       | ND             | 59.7 | 10-137      |                                           |     |           |      |
| 2-Nitrophenol                         | 0.121  | 0.0932                                    | "         | 0.931       | ND             | 13.0 | 10-129      |                                           |     |           |      |
| 3- & 4-Methylphenols                  | 0.416  | 0.0932                                    | "         | 0.931       | ND             | 44.6 | 10-123      |                                           |     |           |      |
| 3,3-Dichlorobenzidine                 | 0.553  | 0.0932                                    | "         | 0.931       | ND             | 59.4 | 10-155      |                                           |     |           |      |
| 3-Nitroaniline                        | 0.635  | 0.186                                     | "         | 0.931       | ND             | 68.2 | 12-133      |                                           |     |           |      |
| 4,6-Dinitro-2-methylphenol            | ND     | 0.186                                     | "         | 0.931       | ND             |      | 10-155      | Low Bias                                  |     |           |      |
| 4-Bromophenyl phenyl ether            | 0.595  | 0.0932                                    | "         | 0.931       | ND             | 63.9 | 14-128      |                                           |     |           |      |
| 4-Chloro-3-methylphenol               | 0.563  | 0.0932                                    | "         | 0.931       | ND             | 60.5 | 10-134      |                                           |     |           |      |
| 4-Chloroaniline                       | 0.405  | 0.0932                                    | "         | 0.931       | ND             | 43.5 | 10-145      |                                           |     |           |      |
| 4-Chlorophenyl phenyl ether           | 0.566  | 0.0932                                    | "         | 0.931       | ND             | 60.8 | 14-130      |                                           |     |           |      |
| 4-Nitroaniline                        | 0.667  | 0.186                                     | "         | 0.931       | ND             | 71.6 | 10-147      |                                           |     |           |      |
| 4-Nitrophenol                         | 0.406  | 0.186                                     | "         | 0.931       | ND             | 43.6 | 10-137      |                                           |     |           |      |
| Acenaphthene                          | 0.509  | 0.0932                                    | "         | 0.931       | ND             | 54.6 | 10-146      |                                           |     |           |      |
| Acenaphthylene                        | 0.470  | 0.0932                                    | "         | 0.931       | ND             | 50.5 | 10-134      |                                           |     |           |      |
| Acetophenone                          | 0.421  | 0.0932                                    | "         | 0.931       | ND             | 45.2 | 10-116      |                                           |     |           |      |
| Aniline                               | 0.359  | 0.373                                     | "         | 0.931       | ND             | 38.6 | 10-123      |                                           |     |           |      |
| Anthracene                            | 0.630  | 0.0932                                    | "         | 0.931       | ND             | 67.7 | 10-142      |                                           |     |           |      |
| Atrazine                              | 0.577  | 0.0932                                    | "         | 0.931       | ND             | 61.9 | 19-115      |                                           |     |           |      |
| Benzaldehyde                          | 0.422  | 0.0932                                    | "         | 0.931       | ND             | 45.3 | 10-125      |                                           |     |           |      |
| Benzo(a)anthracene                    | 0.659  | 0.0932                                    | "         | 0.931       | ND             | 70.8 | 10-158      |                                           |     |           |      |
| Benzo(a)pyrene                        | 0.556  | 0.0932                                    | "         | 0.931       | ND             | 59.7 | 10-180      |                                           |     |           |      |
| Benzo(b)fluoranthene                  | 0.603  | 0.0932                                    | "         | 0.931       | ND             | 64.8 | 10-200      |                                           |     |           |      |
| Benzo(g,h,i)perylene                  | 0.618  | 0.0932                                    | "         | 0.931       | ND             | 66.4 | 10-138      |                                           |     |           |      |
| Benzo(k)fluoranthene                  | 0.592  | 0.0932                                    | "         | 0.931       | ND             | 63.6 | 10-197      |                                           |     |           |      |
| Benzoic acid                          | ND     | 0.0932                                    | "         | 0.931       | ND             |      | 10-166      | Low Bias                                  |     |           |      |
| Benzyl alcohol                        | 0.433  | 0.0932                                    | "         | 0.931       | ND             | 46.5 | 12-124      |                                           |     |           |      |
| Benzyl butyl phthalate                | 0.607  | 0.0932                                    | "         | 0.931       | ND             | 65.2 | 10-154      |                                           |     |           |      |
| Bis(2-chloroethoxy)methane            | 0.448  | 0.0932                                    | "         | 0.931       | ND             | 48.2 | 10-132      |                                           |     |           |      |
| Bis(2-chloroethyl)ether               | 0.393  | 0.0932                                    | "         | 0.931       | ND             | 42.2 | 10-119      |                                           |     |           |      |
| Bis(2-chloroisopropyl)ether           | 0.375  | 0.0932                                    | "         | 0.931       | ND             | 40.2 | 10-139      |                                           |     |           |      |
| Bis(2-ethylhexyl)phthalate            | 0.484  | 0.0932                                    | "         | 0.931       | ND             | 52.0 | 10-167      |                                           |     |           |      |
| Caprolactam                           | 0.596  | 0.186                                     | "         | 0.931       | ND             | 64.0 | 10-132      |                                           |     |           |      |



## Semivolatile Organic Compounds by GC/MS - Quality Control Data

### York Analytical Laboratories, Inc. - Stratford

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

#### Batch BA30312 - EPA 3550C

| Matrix Spike (BA30312-MS1)            |       | *Source sample: 23A0238-02 (Matrix Spike) |           |       |        |      |        | Prepared: 01/09/2023 Analyzed: 01/10/2023 |  |  |  |
|---------------------------------------|-------|-------------------------------------------|-----------|-------|--------|------|--------|-------------------------------------------|--|--|--|
| Carbazole                             | 0.597 | 0.0932                                    | mg/kg dry | 0.931 | ND     | 64.1 | 10-167 |                                           |  |  |  |
| Chrysene                              | 0.597 | 0.0932                                    | "         | 0.931 | ND     | 64.2 | 10-156 |                                           |  |  |  |
| Dibenzo(a,h)anthracene                | 0.615 | 0.0932                                    | "         | 0.931 | ND     | 66.1 | 10-137 |                                           |  |  |  |
| Dibenzofuran                          | 0.514 | 0.0932                                    | "         | 0.931 | ND     | 55.2 | 10-147 |                                           |  |  |  |
| Diethyl phthalate                     | 0.547 | 0.0932                                    | "         | 0.931 | ND     | 58.7 | 20-120 |                                           |  |  |  |
| Dimethyl phthalate                    | 0.521 | 0.0932                                    | "         | 0.931 | ND     | 56.0 | 18-131 |                                           |  |  |  |
| Di-n-butyl phthalate                  | 0.588 | 0.0932                                    | "         | 0.931 | ND     | 63.1 | 10-137 |                                           |  |  |  |
| Di-n-octyl phthalate                  | 0.588 | 0.0932                                    | "         | 0.931 | ND     | 63.2 | 10-180 |                                           |  |  |  |
| Fluoranthene                          | 0.623 | 0.0932                                    | "         | 0.931 | ND     | 67.0 | 10-160 |                                           |  |  |  |
| Fluorene                              | 0.556 | 0.0932                                    | "         | 0.931 | ND     | 59.8 | 10-157 |                                           |  |  |  |
| Hexachlorobenzene                     | 0.564 | 0.0932                                    | "         | 0.931 | ND     | 60.6 | 10-137 |                                           |  |  |  |
| Hexachlorobutadiene                   | 0.471 | 0.0932                                    | "         | 0.931 | ND     | 50.6 | 10-132 |                                           |  |  |  |
| Hexachlorocyclopentadiene             | ND    | 0.0932                                    | "         | 0.931 | ND     |      | 10-106 | Low Bias                                  |  |  |  |
| Hexachloroethane                      | 0.242 | 0.0932                                    | "         | 0.931 | ND     | 26.0 | 10-110 |                                           |  |  |  |
| Indeno(1,2,3-cd)pyrene                | 0.595 | 0.0932                                    | "         | 0.931 | ND     | 63.9 | 10-144 |                                           |  |  |  |
| Isophorone                            | 0.488 | 0.0932                                    | "         | 0.931 | ND     | 52.4 | 10-132 |                                           |  |  |  |
| Naphthalene                           | 0.456 | 0.0932                                    | "         | 0.931 | 0.0995 | 38.3 | 10-141 |                                           |  |  |  |
| Nitrobenzene                          | 0.404 | 0.0932                                    | "         | 0.931 | ND     | 43.4 | 10-131 |                                           |  |  |  |
| N-Nitrosodimethylamine                | 0.337 | 0.0932                                    | "         | 0.931 | ND     | 36.2 | 10-126 |                                           |  |  |  |
| N-nitroso-di-n-propylamine            | 0.413 | 0.0932                                    | "         | 0.931 | ND     | 44.3 | 10-125 |                                           |  |  |  |
| N-Nitrosodiphenylamine                | 0.682 | 0.0932                                    | "         | 0.931 | ND     | 73.3 | 10-177 |                                           |  |  |  |
| Pentachlorophenol                     | 0.563 | 0.0932                                    | "         | 0.931 | ND     | 60.5 | 10-153 |                                           |  |  |  |
| Phenanthrene                          | 0.653 | 0.0932                                    | "         | 0.931 | 0.0802 | 61.5 | 10-148 |                                           |  |  |  |
| Phenol                                | 0.445 | 0.0932                                    | "         | 0.931 | ND     | 47.8 | 10-126 |                                           |  |  |  |
| Pyrene                                | 0.664 | 0.0932                                    | "         | 0.931 | 0.0490 | 66.1 | 10-165 |                                           |  |  |  |
| Surrogate: SURR: 2-Fluorophenol       | 0.867 |                                           | "         | 1.86  |        | 46.6 | 20-108 |                                           |  |  |  |
| Surrogate: SURR: Phenol-d5            | 0.878 |                                           | "         | 1.86  |        | 47.2 | 23-114 |                                           |  |  |  |
| Surrogate: SURR: Nitrobenzene-d5      | 0.407 |                                           | "         | 0.931 |        | 43.7 | 22-108 |                                           |  |  |  |
| Surrogate: SURR: 2-Fluorobiphenyl     | 0.465 |                                           | "         | 0.931 |        | 49.9 | 21-113 |                                           |  |  |  |
| Surrogate: SURR: 2,4,6-Tribromophenol | 1.27  |                                           | "         | 1.86  |        | 68.3 | 19-110 |                                           |  |  |  |
| Surrogate: SURR: Terphenyl-d14        | 0.688 |                                           | "         | 0.931 |        | 73.8 | 24-116 |                                           |  |  |  |



## Semivolatile Organic Compounds by GC/MS - Quality Control Data

### York Analytical Laboratories, Inc. - Stratford

| Analyte                                | Result | Reporting Limit                                      | Units     | Spike Level | Source* Result | %REC | %REC Limits                                      | Flag     | RPD   | RPD Limit | Flag     |
|----------------------------------------|--------|------------------------------------------------------|-----------|-------------|----------------|------|--------------------------------------------------|----------|-------|-----------|----------|
| <b>Batch BA30312 - EPA 3550C</b>       |        |                                                      |           |             |                |      |                                                  |          |       |           |          |
| <b>Matrix Spike Dup (BA30312-MSD1)</b> |        | <b>*Source sample: 23A0238-02 (Matrix Spike Dup)</b> |           |             |                |      | <b>Prepared: 01/09/2023 Analyzed: 01/10/2023</b> |          |       |           |          |
| 1,1-Biphenyl                           | 0.559  | 0.0932                                               | mg/kg dry | 0.931       | ND             | 60.1 | 10-130                                           |          | 15.5  | 30        |          |
| 1,2,4,5-Tetrachlorobenzene             | 0.595  | 0.186                                                | "         | 0.931       | ND             | 63.9 | 10-133                                           |          | 12.1  | 30        |          |
| 1,2,4-Trichlorobenzene                 | 0.541  | 0.0932                                               | "         | 0.931       | ND             | 58.1 | 10-127                                           |          | 13.8  | 30        |          |
| 1,2-Dichlorobenzene                    | 0.472  | 0.0932                                               | "         | 0.931       | ND             | 50.6 | 14-111                                           |          | 11.7  | 30        |          |
| 1,2-Diphenylhydrazine (as Azobenzene)  | 0.548  | 0.0932                                               | "         | 0.931       | ND             | 58.9 | 10-144                                           |          | 3.74  | 30        |          |
| 1,3-Dichlorobenzene                    | 0.461  | 0.0932                                               | "         | 0.931       | ND             | 49.5 | 11-111                                           |          | 11.8  | 30        |          |
| 1,4-Dichlorobenzene                    | 0.472  | 0.0932                                               | "         | 0.931       | ND             | 50.7 | 10-106                                           |          | 13.5  | 30        |          |
| 2,3,4,6-Tetrachlorophenol              | 0.626  | 0.186                                                | "         | 0.931       | ND             | 67.3 | 30-130                                           |          | 1.92  | 30        |          |
| 2,4,5-Trichlorophenol                  | 0.634  | 0.0932                                               | "         | 0.931       | ND             | 68.1 | 10-127                                           |          | 6.30  | 30        |          |
| 2,4,6-Trichlorophenol                  | 0.617  | 0.0932                                               | "         | 0.931       | ND             | 66.2 | 10-132                                           |          | 8.70  | 30        |          |
| 2,4-Dichlorophenol                     | 0.594  | 0.0932                                               | "         | 0.931       | ND             | 63.8 | 10-128                                           |          | 9.19  | 30        |          |
| 2,4-Dimethylphenol                     | 0.572  | 0.0932                                               | "         | 0.931       | ND             | 61.4 | 10-137                                           |          | 11.0  | 30        |          |
| 2,4-Dinitrophenol                      | ND     | 0.186                                                | "         | 0.931       | ND             |      | 10-171                                           | Low Bias |       | 30        |          |
| 2,4-Dinitrotoluene                     | 0.455  | 0.0932                                               | "         | 0.931       | ND             | 48.9 | 16-135                                           |          | 32.3  | 30        | Non-dir. |
| 2,6-Dinitrotoluene                     | 0.496  | 0.0932                                               | "         | 0.931       | ND             | 53.3 | 18-131                                           |          | 27.7  | 30        |          |
| 2-Chloronaphthalene                    | 0.532  | 0.0932                                               | "         | 0.931       | ND             | 57.1 | 10-129                                           |          | 12.8  | 30        |          |
| 2-Chlorophenol                         | 0.506  | 0.0932                                               | "         | 0.931       | ND             | 54.3 | 15-116                                           |          | 11.7  | 30        |          |
| 2-Methylnaphthalene                    | 0.540  | 0.0932                                               | "         | 0.931       | 0.0564         | 51.9 | 10-147                                           |          | 12.5  | 30        |          |
| 2-Methylphenol                         | 0.519  | 0.0932                                               | "         | 0.931       | ND             | 55.8 | 10-136                                           |          | 12.7  | 30        |          |
| 2-Nitroaniline                         | 0.641  | 0.186                                                | "         | 0.931       | ND             | 68.9 | 10-137                                           |          | 14.3  | 30        |          |
| 2-Nitrophenol                          | 0.223  | 0.0932                                               | "         | 0.931       | ND             | 24.0 | 10-129                                           |          | 59.2  | 30        | Non-dir. |
| 3- & 4-Methylphenols                   | 0.458  | 0.0932                                               | "         | 0.931       | ND             | 49.2 | 10-123                                           |          | 9.72  | 30        |          |
| 3,3-Dichlorobenzidine                  | 0.583  | 0.0932                                               | "         | 0.931       | ND             | 62.6 | 10-155                                           |          | 5.11  | 30        |          |
| 3-Nitroaniline                         | 0.683  | 0.186                                                | "         | 0.931       | ND             | 73.4 | 12-133                                           |          | 7.35  | 30        |          |
| 4,6-Dinitro-2-methylphenol             | ND     | 0.186                                                | "         | 0.931       | ND             |      | 10-155                                           | Low Bias |       | 30        |          |
| 4-Bromophenyl phenyl ether             | 0.602  | 0.0932                                               | "         | 0.931       | ND             | 64.6 | 14-128                                           |          | 1.12  | 30        |          |
| 4-Chloro-3-methylphenol                | 0.597  | 0.0932                                               | "         | 0.931       | ND             | 64.1 | 10-134                                           |          | 5.78  | 30        |          |
| 4-Chloroaniline                        | 0.449  | 0.0932                                               | "         | 0.931       | ND             | 48.2 | 10-145                                           |          | 10.3  | 30        |          |
| 4-Chlorophenyl phenyl ether            | 0.601  | 0.0932                                               | "         | 0.931       | ND             | 64.6 | 14-130                                           |          | 6.00  | 30        |          |
| 4-Nitroaniline                         | 0.720  | 0.186                                                | "         | 0.931       | ND             | 77.4 | 10-147                                           |          | 7.73  | 30        |          |
| 4-Nitrophenol                          | 0.503  | 0.186                                                | "         | 0.931       | ND             | 54.0 | 10-137                                           |          | 21.3  | 30        |          |
| Acenaphthene                           | 0.559  | 0.0932                                               | "         | 0.931       | ND             | 60.1 | 10-146                                           |          | 9.48  | 30        |          |
| Acenaphthylene                         | 0.515  | 0.0932                                               | "         | 0.931       | ND             | 55.3 | 10-134                                           |          | 9.08  | 30        |          |
| Acetophenone                           | 0.479  | 0.0932                                               | "         | 0.931       | ND             | 51.4 | 10-116                                           |          | 12.9  | 30        |          |
| Aniline                                | 0.390  | 0.373                                                | "         | 0.931       | ND             | 41.9 | 10-123                                           |          | 8.35  | 30        |          |
| Anthracene                             | 0.637  | 0.0932                                               | "         | 0.931       | ND             | 68.4 | 10-142                                           |          | 1.06  | 30        |          |
| Atrazine                               | 0.613  | 0.0932                                               | "         | 0.931       | ND             | 65.8 | 19-115                                           |          | 6.14  | 30        |          |
| Benzaldehyde                           | 0.488  | 0.0932                                               | "         | 0.931       | ND             | 52.4 | 10-125                                           |          | 14.6  | 30        |          |
| Benzo(a)anthracene                     | 0.682  | 0.0932                                               | "         | 0.931       | ND             | 73.3 | 10-158                                           |          | 3.44  | 30        |          |
| Benzo(a)pyrene                         | 0.566  | 0.0932                                               | "         | 0.931       | ND             | 60.8 | 10-180                                           |          | 1.86  | 30        |          |
| Benzo(b)fluoranthene                   | 0.606  | 0.0932                                               | "         | 0.931       | ND             | 65.0 | 10-200                                           |          | 0.370 | 30        |          |
| Benzo(g,h,i)perylene                   | 0.619  | 0.0932                                               | "         | 0.931       | ND             | 66.5 | 10-138                                           |          | 0.120 | 30        |          |
| Benzo(k)fluoranthene                   | 0.604  | 0.0932                                               | "         | 0.931       | ND             | 64.9 | 10-197                                           |          | 1.99  | 30        |          |
| Benzoic acid                           | ND     | 0.0932                                               | "         | 0.931       | ND             |      | 10-166                                           | Low Bias |       | 30        |          |
| Benzyl alcohol                         | 0.469  | 0.0932                                               | "         | 0.931       | ND             | 50.4 | 12-124                                           |          | 8.09  | 30        |          |
| Benzyl butyl phthalate                 | 0.632  | 0.0932                                               | "         | 0.931       | ND             | 67.9 | 10-154                                           |          | 4.09  | 30        |          |
| Bis(2-chloroethoxy)methane             | 0.491  | 0.0932                                               | "         | 0.931       | ND             | 52.7 | 10-132                                           |          | 9.04  | 30        |          |
| Bis(2-chloroethyl)ether                | 0.459  | 0.0932                                               | "         | 0.931       | ND             | 49.3 | 10-119                                           |          | 15.4  | 30        |          |
| Bis(2-chloroisopropyl)ether            | 0.425  | 0.0932                                               | "         | 0.931       | ND             | 45.6 | 10-139                                           |          | 12.5  | 30        |          |
| Bis(2-ethylhexyl)phthalate             | 0.495  | 0.0932                                               | "         | 0.931       | ND             | 53.2 | 10-167                                           |          | 2.28  | 30        |          |
| Caprolactam                            | 0.670  | 0.186                                                | "         | 0.931       | ND             | 71.9 | 10-132                                           |          | 11.7  | 30        |          |



## Semivolatile Organic Compounds by GC/MS - Quality Control Data

### York Analytical Laboratories, Inc. - Stratford

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

#### Batch BA30312 - EPA 3550C

| Matrix Spike Dup (BA30312-MSD1)       | *Source sample: 23A0238-02 (Matrix Spike Dup) |        |           |       |        |      | Prepared: 01/09/2023 Analyzed: 01/10/2023 |          |       |    |  |
|---------------------------------------|-----------------------------------------------|--------|-----------|-------|--------|------|-------------------------------------------|----------|-------|----|--|
| Carbazole                             | 0.632                                         | 0.0932 | mg/kg dry | 0.931 | ND     | 67.8 | 10-167                                    |          | 5.70  | 30 |  |
| Chrysene                              | 0.622                                         | 0.0932 | "         | 0.931 | ND     | 66.8 | 10-156                                    |          | 4.03  | 30 |  |
| Dibenzo(a,h)anthracene                | 0.615                                         | 0.0932 | "         | 0.931 | ND     | 66.1 | 10-137                                    |          | 0.00  | 30 |  |
| Dibenzofuran                          | 0.570                                         | 0.0932 | "         | 0.931 | ND     | 61.2 | 10-147                                    |          | 10.3  | 30 |  |
| Diethyl phthalate                     | 0.558                                         | 0.0932 | "         | 0.931 | ND     | 59.9 | 20-120                                    |          | 2.02  | 30 |  |
| Dimethyl phthalate                    | 0.566                                         | 0.0932 | "         | 0.931 | ND     | 60.8 | 18-131                                    |          | 8.22  | 30 |  |
| Di-n-butyl phthalate                  | 0.606                                         | 0.0932 | "         | 0.931 | ND     | 65.0 | 10-137                                    |          | 3.00  | 30 |  |
| Di-n-octyl phthalate                  | 0.603                                         | 0.0932 | "         | 0.931 | ND     | 64.7 | 10-180                                    |          | 2.38  | 30 |  |
| Fluoranthene                          | 0.637                                         | 0.0932 | "         | 0.931 | ND     | 68.4 | 10-160                                    |          | 2.13  | 30 |  |
| Fluorene                              | 0.589                                         | 0.0932 | "         | 0.931 | ND     | 63.3 | 10-157                                    |          | 5.72  | 30 |  |
| Hexachlorobenzene                     | 0.566                                         | 0.0932 | "         | 0.931 | ND     | 60.8 | 10-137                                    |          | 0.396 | 30 |  |
| Hexachlorobutadiene                   | 0.553                                         | 0.0932 | "         | 0.931 | ND     | 59.4 | 10-132                                    |          | 16.1  | 30 |  |
| Hexachlorocyclopentadiene             | ND                                            | 0.0932 | "         | 0.931 | ND     |      | 10-106                                    | Low Bias |       | 30 |  |
| Hexachloroethane                      | 0.299                                         | 0.0932 | "         | 0.931 | ND     | 32.2 | 10-110                                    |          | 21.2  | 30 |  |
| Indeno(1,2,3-cd)pyrene                | 0.633                                         | 0.0932 | "         | 0.931 | ND     | 68.0 | 10-144                                    |          | 6.19  | 30 |  |
| Isophorone                            | 0.539                                         | 0.0932 | "         | 0.931 | ND     | 57.9 | 10-132                                    |          | 10.0  | 30 |  |
| Naphthalene                           | 0.518                                         | 0.0932 | "         | 0.931 | 0.0995 | 45.0 | 10-141                                    |          | 12.8  | 30 |  |
| Nitrobenzene                          | 0.484                                         | 0.0932 | "         | 0.931 | ND     | 52.0 | 10-131                                    |          | 17.9  | 30 |  |
| N-Nitrosodimethylamine                | 0.390                                         | 0.0932 | "         | 0.931 | ND     | 41.8 | 10-126                                    |          | 14.3  | 30 |  |
| N-nitroso-di-n-propylamine            | 0.457                                         | 0.0932 | "         | 0.931 | ND     | 49.1 | 10-125                                    |          | 10.3  | 30 |  |
| N-Nitrosodiphenylamine                | 0.716                                         | 0.0932 | "         | 0.931 | ND     | 76.9 | 10-177                                    |          | 4.79  | 30 |  |
| Pentachlorophenol                     | 0.571                                         | 0.0932 | "         | 0.931 | ND     | 61.3 | 10-153                                    |          | 1.31  | 30 |  |
| Phenanthrene                          | 0.647                                         | 0.0932 | "         | 0.931 | 0.0802 | 60.9 | 10-148                                    |          | 0.916 | 30 |  |
| Phenol                                | 0.498                                         | 0.0932 | "         | 0.931 | ND     | 53.4 | 10-126                                    |          | 11.2  | 30 |  |
| Pyrene                                | 0.676                                         | 0.0932 | "         | 0.931 | 0.0490 | 67.4 | 10-165                                    |          | 1.78  | 30 |  |
| Surrogate: SURR: 2-Fluorophenol       | 0.986                                         |        | "         | 1.86  |        | 52.9 | 20-108                                    |          |       |    |  |
| Surrogate: SURR: Phenol-d5            | 0.988                                         |        | "         | 1.86  |        | 53.0 | 23-114                                    |          |       |    |  |
| Surrogate: SURR: Nitrobenzene-d5      | 0.495                                         |        | "         | 0.931 |        | 53.1 | 22-108                                    |          |       |    |  |
| Surrogate: SURR: 2-Fluorobiphenyl     | 0.548                                         |        | "         | 0.931 |        | 58.8 | 21-113                                    |          |       |    |  |
| Surrogate: SURR: 2,4,6-Tribromophenol | 1.36                                          |        | "         | 1.86  |        | 73.0 | 19-110                                    |          |       |    |  |
| Surrogate: SURR: Terphenyl-d14        | 0.722                                         |        | "         | 0.931 |        | 77.5 | 24-116                                    |          |       |    |  |



## Organochlorine Pesticides by GC/ECD - Quality Control Data

### York Analytical Laboratories, Inc. - Stratford

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

#### Batch BA30285 - EPA 3550C

##### Blank (BA30285-BLK1)

Prepared: 01/07/2023 Analyzed: 01/11/2023

|                                 |        |         |           |        |  |      |        |  |  |  |  |
|---------------------------------|--------|---------|-----------|--------|--|------|--------|--|--|--|--|
| 4,4'-DDD                        | ND     | 0.00165 | mg/kg wet |        |  |      |        |  |  |  |  |
| 4,4'-DDE                        | ND     | 0.00165 | "         |        |  |      |        |  |  |  |  |
| 4,4'-DDT                        | ND     | 0.00165 | "         |        |  |      |        |  |  |  |  |
| Aldrin                          | ND     | 0.00165 | "         |        |  |      |        |  |  |  |  |
| alpha-BHC                       | ND     | 0.00165 | "         |        |  |      |        |  |  |  |  |
| alpha-Chlordane                 | ND     | 0.00165 | "         |        |  |      |        |  |  |  |  |
| beta-BHC                        | ND     | 0.00165 | "         |        |  |      |        |  |  |  |  |
| Chlordane, total                | ND     | 0.0330  | "         |        |  |      |        |  |  |  |  |
| delta-BHC                       | ND     | 0.00165 | "         |        |  |      |        |  |  |  |  |
| Dieldrin                        | ND     | 0.00165 | "         |        |  |      |        |  |  |  |  |
| Endosulfan I                    | ND     | 0.00165 | "         |        |  |      |        |  |  |  |  |
| Endosulfan II                   | ND     | 0.00165 | "         |        |  |      |        |  |  |  |  |
| Endosulfan sulfate              | ND     | 0.00165 | "         |        |  |      |        |  |  |  |  |
| Endrin                          | ND     | 0.00165 | "         |        |  |      |        |  |  |  |  |
| Endrin aldehyde                 | ND     | 0.00165 | "         |        |  |      |        |  |  |  |  |
| Endrin ketone                   | ND     | 0.00165 | "         |        |  |      |        |  |  |  |  |
| gamma-BHC (Lindane)             | ND     | 0.00165 | "         |        |  |      |        |  |  |  |  |
| gamma-Chlordane                 | ND     | 0.00165 | "         |        |  |      |        |  |  |  |  |
| Heptachlor                      | ND     | 0.00165 | "         |        |  |      |        |  |  |  |  |
| Heptachlor epoxide              | ND     | 0.00165 | "         |        |  |      |        |  |  |  |  |
| Methoxychlor                    | ND     | 0.00825 | "         |        |  |      |        |  |  |  |  |
| Toxaphene                       | ND     | 0.0835  | "         |        |  |      |        |  |  |  |  |
| Surrogate: Decachlorobiphenyl   | 0.0481 |         | "         | 0.0667 |  | 72.2 | 30-150 |  |  |  |  |
| Surrogate: Tetrachloro-m-xylene | 0.0520 |         | "         | 0.0667 |  | 78.1 | 30-150 |  |  |  |  |

##### LCS (BA30285-BS1)

Prepared: 01/07/2023 Analyzed: 01/11/2023

|                                 |        |         |           |        |  |      |        |  |  |  |  |
|---------------------------------|--------|---------|-----------|--------|--|------|--------|--|--|--|--|
| 4,4'-DDD                        | 0.0297 | 0.00165 | mg/kg wet | 0.0333 |  | 89.0 | 40-140 |  |  |  |  |
| 4,4'-DDE                        | 0.0290 | 0.00165 | "         | 0.0333 |  | 87.0 | 40-140 |  |  |  |  |
| 4,4'-DDT                        | 0.0272 | 0.00165 | "         | 0.0333 |  | 81.6 | 40-140 |  |  |  |  |
| Aldrin                          | 0.0310 | 0.00165 | "         | 0.0333 |  | 93.1 | 40-140 |  |  |  |  |
| alpha-BHC                       | 0.0254 | 0.00165 | "         | 0.0333 |  | 76.2 | 40-140 |  |  |  |  |
| alpha-Chlordane                 | 0.0302 | 0.00165 | "         | 0.0333 |  | 90.5 | 40-140 |  |  |  |  |
| beta-BHC                        | 0.0276 | 0.00165 | "         | 0.0333 |  | 82.7 | 40-140 |  |  |  |  |
| delta-BHC                       | 0.0278 | 0.00165 | "         | 0.0333 |  | 83.3 | 40-140 |  |  |  |  |
| Dieldrin                        | 0.0303 | 0.00165 | "         | 0.0333 |  | 90.9 | 40-140 |  |  |  |  |
| Endosulfan I                    | 0.0312 | 0.00165 | "         | 0.0333 |  | 93.7 | 40-140 |  |  |  |  |
| Endosulfan II                   | 0.0304 | 0.00165 | "         | 0.0333 |  | 91.1 | 40-140 |  |  |  |  |
| Endosulfan sulfate              | 0.0292 | 0.00165 | "         | 0.0333 |  | 87.5 | 40-140 |  |  |  |  |
| Endrin                          | 0.0286 | 0.00165 | "         | 0.0333 |  | 85.8 | 40-140 |  |  |  |  |
| Endrin aldehyde                 | 0.0312 | 0.00165 | "         | 0.0333 |  | 93.6 | 40-140 |  |  |  |  |
| Endrin ketone                   | 0.0306 | 0.00165 | "         | 0.0333 |  | 91.7 | 40-140 |  |  |  |  |
| gamma-BHC (Lindane)             | 0.0274 | 0.00165 | "         | 0.0333 |  | 82.1 | 40-140 |  |  |  |  |
| gamma-Chlordane                 | 0.0302 | 0.00165 | "         | 0.0333 |  | 90.6 | 40-140 |  |  |  |  |
| Heptachlor                      | 0.0291 | 0.00165 | "         | 0.0333 |  | 87.2 | 40-140 |  |  |  |  |
| Heptachlor epoxide              | 0.0304 | 0.00165 | "         | 0.0333 |  | 91.3 | 40-140 |  |  |  |  |
| Methoxychlor                    | 0.0274 | 0.00825 | "         | 0.0333 |  | 82.1 | 40-140 |  |  |  |  |
| Surrogate: Decachlorobiphenyl   | 0.0577 |         | "         | 0.0667 |  | 86.6 | 30-150 |  |  |  |  |
| Surrogate: Tetrachloro-m-xylene | 0.0546 |         | "         | 0.0667 |  | 81.9 | 30-150 |  |  |  |  |



## Organochlorine Pesticides by GC/ECD - Quality Control Data

### York Analytical Laboratories, Inc. - Stratford

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

#### Batch BA30285 - EPA 3550C

|                                   |        |                                        |           |        |    |      |                                           |  |  |  |  |
|-----------------------------------|--------|----------------------------------------|-----------|--------|----|------|-------------------------------------------|--|--|--|--|
| <b>Matrix Spike (BA30285-MS1)</b> |        | *Source sample: 23A0263-02 (B-7 11-13) |           |        |    |      | Prepared: 01/07/2023 Analyzed: 01/11/2023 |  |  |  |  |
| 4,4'-DDD                          | 0.0300 | 0.00187                                | mg/kg dry | 0.0377 | ND | 79.6 | 30-150                                    |  |  |  |  |
| 4,4'-DDE                          | 0.0305 | 0.00187                                | "         | 0.0377 | ND | 80.9 | 30-150                                    |  |  |  |  |
| 4,4'-DDT                          | 0.0264 | 0.00187                                | "         | 0.0377 | ND | 70.1 | 30-150                                    |  |  |  |  |
| Aldrin                            | 0.0307 | 0.00187                                | "         | 0.0377 | ND | 81.5 | 30-150                                    |  |  |  |  |
| alpha-BHC                         | 0.0258 | 0.00187                                | "         | 0.0377 | ND | 68.6 | 30-150                                    |  |  |  |  |
| alpha-Chlordane                   | 0.0305 | 0.00187                                | "         | 0.0377 | ND | 80.9 | 30-150                                    |  |  |  |  |
| beta-BHC                          | 0.0317 | 0.00187                                | "         | 0.0377 | ND | 84.0 | 30-150                                    |  |  |  |  |
| delta-BHC                         | 0.0281 | 0.00187                                | "         | 0.0377 | ND | 74.5 | 30-150                                    |  |  |  |  |
| Dieldrin                          | 0.0318 | 0.00187                                | "         | 0.0377 | ND | 84.3 | 30-150                                    |  |  |  |  |
| Endosulfan I                      | 0.0325 | 0.00187                                | "         | 0.0377 | ND | 86.3 | 30-150                                    |  |  |  |  |
| Endosulfan II                     | 0.0310 | 0.00187                                | "         | 0.0377 | ND | 82.2 | 30-150                                    |  |  |  |  |
| Endosulfan sulfate                | 0.0271 | 0.00187                                | "         | 0.0377 | ND | 71.8 | 30-150                                    |  |  |  |  |
| Endrin                            | 0.0284 | 0.00187                                | "         | 0.0377 | ND | 75.3 | 30-150                                    |  |  |  |  |
| Endrin aldehyde                   | 0.0291 | 0.00187                                | "         | 0.0377 | ND | 77.2 | 30-150                                    |  |  |  |  |
| Endrin ketone                     | 0.0298 | 0.00187                                | "         | 0.0377 | ND | 79.0 | 30-150                                    |  |  |  |  |
| gamma-BHC (Lindane)               | 0.0298 | 0.00187                                | "         | 0.0377 | ND | 79.0 | 30-150                                    |  |  |  |  |
| gamma-Chlordane                   | 0.0315 | 0.00187                                | "         | 0.0377 | ND | 83.6 | 30-150                                    |  |  |  |  |
| Heptachlor                        | 0.0304 | 0.00187                                | "         | 0.0377 | ND | 80.5 | 30-150                                    |  |  |  |  |
| Heptachlor epoxide                | 0.0318 | 0.00187                                | "         | 0.0377 | ND | 84.4 | 30-150                                    |  |  |  |  |
| Methoxychlor                      | 0.0252 | 0.00933                                | "         | 0.0377 | ND | 66.9 | 30-150                                    |  |  |  |  |
| Surrogate: Decachlorobiphenyl     | 0.0647 |                                        | "         | 0.0754 |    | 85.9 | 30-150                                    |  |  |  |  |
| Surrogate: Tetrachloro-m-xylene   | 0.0725 |                                        | "         | 0.0754 |    | 96.2 | 30-150                                    |  |  |  |  |

|                                        |        |                                        |           |        |    |      |                                           |       |    |  |  |
|----------------------------------------|--------|----------------------------------------|-----------|--------|----|------|-------------------------------------------|-------|----|--|--|
| <b>Matrix Spike Dup (BA30285-MSD1)</b> |        | *Source sample: 23A0263-02 (B-7 11-13) |           |        |    |      | Prepared: 01/07/2023 Analyzed: 01/11/2023 |       |    |  |  |
| 4,4'-DDD                               | 0.0296 | 0.00187                                | mg/kg dry | 0.0377 | ND | 78.6 | 30-150                                    | 1.29  | 30 |  |  |
| 4,4'-DDE                               | 0.0320 | 0.00187                                | "         | 0.0377 | ND | 84.8 | 30-150                                    | 4.79  | 30 |  |  |
| 4,4'-DDT                               | 0.0282 | 0.00187                                | "         | 0.0377 | ND | 74.8 | 30-150                                    | 6.46  | 30 |  |  |
| Aldrin                                 | 0.0319 | 0.00187                                | "         | 0.0377 | ND | 84.5 | 30-150                                    | 3.65  | 30 |  |  |
| alpha-BHC                              | 0.0283 | 0.00187                                | "         | 0.0377 | ND | 75.1 | 30-150                                    | 9.16  | 30 |  |  |
| alpha-Chlordane                        | 0.0313 | 0.00187                                | "         | 0.0377 | ND | 82.9 | 30-150                                    | 2.52  | 30 |  |  |
| beta-BHC                               | 0.0297 | 0.00187                                | "         | 0.0377 | ND | 78.9 | 30-150                                    | 6.30  | 30 |  |  |
| delta-BHC                              | 0.0296 | 0.00187                                | "         | 0.0377 | ND | 78.6 | 30-150                                    | 5.38  | 30 |  |  |
| Dieldrin                               | 0.0339 | 0.00187                                | "         | 0.0377 | ND | 90.1 | 30-150                                    | 6.66  | 30 |  |  |
| Endosulfan I                           | 0.0341 | 0.00187                                | "         | 0.0377 | ND | 90.4 | 30-150                                    | 4.68  | 30 |  |  |
| Endosulfan II                          | 0.0317 | 0.00187                                | "         | 0.0377 | ND | 84.2 | 30-150                                    | 2.37  | 30 |  |  |
| Endosulfan sulfate                     | 0.0283 | 0.00187                                | "         | 0.0377 | ND | 75.0 | 30-150                                    | 4.41  | 30 |  |  |
| Endrin                                 | 0.0287 | 0.00187                                | "         | 0.0377 | ND | 76.2 | 30-150                                    | 1.19  | 30 |  |  |
| Endrin aldehyde                        | 0.0331 | 0.00187                                | "         | 0.0377 | ND | 87.8 | 30-150                                    | 12.9  | 30 |  |  |
| Endrin ketone                          | 0.0307 | 0.00187                                | "         | 0.0377 | ND | 81.6 | 30-150                                    | 3.21  | 30 |  |  |
| gamma-BHC (Lindane)                    | 0.0295 | 0.00187                                | "         | 0.0377 | ND | 78.3 | 30-150                                    | 0.960 | 30 |  |  |
| gamma-Chlordane                        | 0.0331 | 0.00187                                | "         | 0.0377 | ND | 87.9 | 30-150                                    | 5.04  | 30 |  |  |
| Heptachlor                             | 0.0312 | 0.00187                                | "         | 0.0377 | ND | 82.8 | 30-150                                    | 2.78  | 30 |  |  |
| Heptachlor epoxide                     | 0.0331 | 0.00187                                | "         | 0.0377 | ND | 87.8 | 30-150                                    | 3.95  | 30 |  |  |
| Methoxychlor                           | 0.0260 | 0.00933                                | "         | 0.0377 | ND | 69.1 | 30-150                                    | 3.19  | 30 |  |  |
| Surrogate: Decachlorobiphenyl          | 0.0683 |                                        | "         | 0.0754 |    | 90.5 | 30-150                                    |       |    |  |  |
| Surrogate: Tetrachloro-m-xylene        | 0.0731 |                                        | "         | 0.0754 |    | 96.9 | 30-150                                    |       |    |  |  |





## Organochlorine Pesticides by GC/ECD - Quality Control Data

### York Analytical Laboratories, Inc. - Stratford

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source*<br>Result | %REC | %REC<br>Limits | Flag | RPD | RPD<br>Limit | Flag |
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|

#### Batch S3A1121 - BA30224

##### Performance Mix (S3A1121-PEM1)

Prepared & Analyzed: 01/10/2023

|                 |      |  |       |      |  |      |       |  |  |  |
|-----------------|------|--|-------|------|--|------|-------|--|--|--|
| 4,4'-DDD        | 8.52 |  | ng/mL | 0.00 |  |      | 0-200 |  |  |  |
| 4,4'-DDE        | 1.30 |  | "     | 0.00 |  |      | 0-200 |  |  |  |
| 4,4'-DDT        | 182  |  | "     | 200  |  | 90.8 | 0-200 |  |  |  |
| Endrin          | 96.0 |  | "     | 100  |  | 96.0 | 0-200 |  |  |  |
| Endrin aldehyde | 1.32 |  | "     | 0.00 |  |      | 0-200 |  |  |  |
| Endrin ketone   | 4.42 |  | "     | 0.00 |  |      | 0-200 |  |  |  |

#### Batch S3A1230 - BA30224

##### Performance Mix (S3A1230-PEM1)

Prepared & Analyzed: 01/11/2023

|                 |      |  |       |      |  |      |       |  |  |  |
|-----------------|------|--|-------|------|--|------|-------|--|--|--|
| 4,4'-DDD        | 9.74 |  | ng/mL | 0.00 |  |      | 0-200 |  |  |  |
| 4,4'-DDE        | 1.48 |  | "     | 0.00 |  |      | 0-200 |  |  |  |
| 4,4'-DDT        | 180  |  | "     | 200  |  | 90.1 | 0-200 |  |  |  |
| Endrin          | 96.1 |  | "     | 100  |  | 96.1 | 0-200 |  |  |  |
| Endrin aldehyde | 2.47 |  | "     | 0.00 |  |      | 0-200 |  |  |  |
| Endrin ketone   | 6.58 |  | "     | 0.00 |  |      | 0-200 |  |  |  |

#### Batch S3A1315 - BA30224

##### Performance Mix (S3A1315-PEM1)

Prepared & Analyzed: 01/12/2023

|                 |      |  |       |      |  |     |       |  |  |  |
|-----------------|------|--|-------|------|--|-----|-------|--|--|--|
| 4,4'-DDD        | 15.3 |  | ng/mL | 0.00 |  |     | 0-200 |  |  |  |
| 4,4'-DDE        | 1.50 |  | "     | 0.00 |  |     | 0-200 |  |  |  |
| 4,4'-DDT        | 214  |  | "     | 200  |  | 107 | 0-200 |  |  |  |
| Endrin          | 115  |  | "     | 100  |  | 115 | 0-200 |  |  |  |
| Endrin aldehyde | 2.86 |  | "     | 0.00 |  |     | 0-200 |  |  |  |
| Endrin ketone   | 8.94 |  | "     | 0.00 |  |     | 0-200 |  |  |  |



## Organochlorine Pesticides by GC/ECD - Quality Control Data

### York Analytical Laboratories, Inc. - Stratford

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source*<br>Result | %REC | %REC<br>Limits | Flag | RPD | RPD<br>Limit | Flag |
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|

#### Batch S3A1316 - BA30285

#### Performance Mix (S3A1316-PEM1)

Prepared & Analyzed: 01/12/2023

|                 |      |  |       |      |  |     |       |  |  |  |  |
|-----------------|------|--|-------|------|--|-----|-------|--|--|--|--|
| 4,4'-DDD        | 11.4 |  | ng/mL | 0.00 |  |     | 0-200 |  |  |  |  |
| 4,4'-DDE        | 1.29 |  | "     | 0.00 |  |     | 0-200 |  |  |  |  |
| 4,4'-DDT        | 211  |  | "     | 200  |  | 105 | 0-200 |  |  |  |  |
| Endrin          | 112  |  | "     | 100  |  | 112 | 0-200 |  |  |  |  |
| Endrin aldehyde | 2.41 |  | "     | 0.00 |  |     | 0-200 |  |  |  |  |
| Endrin ketone   | 7.36 |  | "     | 0.00 |  |     | 0-200 |  |  |  |  |



## Polychlorinated Biphenyls by GC/ECD - Quality Control Data

### York Analytical Laboratories, Inc. - Stratford

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source*<br>Result | %REC | %REC<br>Limits | Flag | RPD | RPD<br>Limit | Flag |
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|

#### Batch BA30285 - EPA 3550C

##### Blank (BA30285-BLK2)

Prepared: 01/07/2023 Analyzed: 01/11/2023

|                                 |        |        |           |        |  |      |        |  |  |  |  |
|---------------------------------|--------|--------|-----------|--------|--|------|--------|--|--|--|--|
| Aroclor 1016                    | ND     | 0.0167 | mg/kg wet |        |  |      |        |  |  |  |  |
| Aroclor 1221                    | ND     | 0.0167 | "         |        |  |      |        |  |  |  |  |
| Aroclor 1232                    | ND     | 0.0167 | "         |        |  |      |        |  |  |  |  |
| Aroclor 1242                    | ND     | 0.0167 | "         |        |  |      |        |  |  |  |  |
| Aroclor 1248                    | ND     | 0.0167 | "         |        |  |      |        |  |  |  |  |
| Aroclor 1254                    | ND     | 0.0167 | "         |        |  |      |        |  |  |  |  |
| Aroclor 1260                    | ND     | 0.0167 | "         |        |  |      |        |  |  |  |  |
| Aroclor 1262                    | ND     | 0.0167 | "         |        |  |      |        |  |  |  |  |
| Aroclor 1268                    | ND     | 0.0167 | "         |        |  |      |        |  |  |  |  |
| Total PCBs                      | ND     | 0.0167 | "         |        |  |      |        |  |  |  |  |
| Surrogate: Tetrachloro-m-xylene | 0.0507 |        | "         | 0.0667 |  | 76.0 | 30-140 |  |  |  |  |
| Surrogate: Decachlorobiphenyl   | 0.0507 |        | "         | 0.0667 |  | 76.0 | 30-140 |  |  |  |  |

##### LCS (BA30285-BS2)

Prepared: 01/07/2023 Analyzed: 01/11/2023

|                                 |        |        |           |        |  |      |        |  |  |  |  |
|---------------------------------|--------|--------|-----------|--------|--|------|--------|--|--|--|--|
| Aroclor 1016                    | 0.216  | 0.0167 | mg/kg wet | 0.333  |  | 64.9 | 40-130 |  |  |  |  |
| Aroclor 1260                    | 0.232  | 0.0167 | "         | 0.333  |  | 69.6 | 40-130 |  |  |  |  |
| Surrogate: Tetrachloro-m-xylene | 0.0487 |        | "         | 0.0667 |  | 73.0 | 30-140 |  |  |  |  |
| Surrogate: Decachlorobiphenyl   | 0.0463 |        | "         | 0.0667 |  | 69.5 | 30-140 |  |  |  |  |

##### Matrix Spike (BA30285-MS2)

\*Source sample: 23A0263-02 (B-7 11-13)

Prepared: 01/07/2023 Analyzed: 01/12/2023

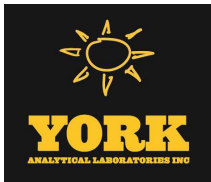
|                                 |        |        |           |        |    |      |        |  |  |  |  |
|---------------------------------|--------|--------|-----------|--------|----|------|--------|--|--|--|--|
| Aroclor 1016                    | 0.361  | 0.0188 | mg/kg dry | 0.377  | ND | 95.7 | 40-140 |  |  |  |  |
| Aroclor 1260                    | 0.370  | 0.0188 | "         | 0.377  | ND | 98.3 | 40-140 |  |  |  |  |
| Surrogate: Tetrachloro-m-xylene | 0.0675 |        | "         | 0.0754 |    | 89.5 | 30-140 |  |  |  |  |
| Surrogate: Decachlorobiphenyl   | 0.0584 |        | "         | 0.0754 |    | 77.5 | 30-140 |  |  |  |  |

##### Matrix Spike Dup (BA30285-MSD2)

\*Source sample: 23A0263-02 (B-7 11-13)

Prepared: 01/07/2023 Analyzed: 01/12/2023

|                                 |        |        |           |        |    |      |        |      |    |  |  |
|---------------------------------|--------|--------|-----------|--------|----|------|--------|------|----|--|--|
| Aroclor 1016                    | 0.320  | 0.0188 | mg/kg dry | 0.377  | ND | 85.0 | 40-140 | 11.8 | 50 |  |  |
| Aroclor 1260                    | 0.348  | 0.0188 | "         | 0.377  | ND | 92.3 | 40-140 | 6.32 | 50 |  |  |
| Surrogate: Tetrachloro-m-xylene | 0.0599 |        | "         | 0.0754 |    | 79.5 | 30-140 |      |    |  |  |
| Surrogate: Decachlorobiphenyl   | 0.0577 |        | "         | 0.0754 |    | 76.5 | 30-140 |      |    |  |  |



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source*<br>Result | %REC | %REC<br>Limits | Flag | RPD | RPD<br>Limit | Flag |
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|

Batch S3A1135 - BA30285

Aroclor Reference (S3A1135-ARC1)

Prepared & Analyzed: 01/11/2023

|                                 |       |  |       |       |  |     |  |  |  |  |  |
|---------------------------------|-------|--|-------|-------|--|-----|--|--|--|--|--|
| Surrogate: Tetrachloro-m-xylene | 0.221 |  | ug/mL | 0.200 |  | 110 |  |  |  |  |  |
| Surrogate: Decachlorobiphenyl   | 0.217 |  | "     | 0.200 |  | 108 |  |  |  |  |  |



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

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

Batch BA30420 - EPA 3050B

Blank (BA30420-BLK1)

Prepared: 01/10/2023 Analyzed: 01/11/2023

|           |      |       |           |
|-----------|------|-------|-----------|
| Aluminum  | ND   | 4.17  | mg/kg wet |
| Antimony  | ND   | 2.08  | "         |
| Arsenic   | ND   | 1.25  | "         |
| Barium    | ND   | 2.08  | "         |
| Beryllium | ND   | 0.042 | "         |
| Cadmium   | ND   | 0.250 | "         |
| Calcium   | ND   | 4.17  | "         |
| Chromium  | ND   | 0.417 | "         |
| Cobalt    | ND   | 0.333 | "         |
| Copper    | ND   | 1.67  | "         |
| Iron      | ND   | 20.8  | "         |
| Lead      | ND   | 0.417 | "         |
| Magnesium | ND   | 4.17  | "         |
| Manganese | ND   | 0.417 | "         |
| Nickel    | ND   | 0.830 | "         |
| Potassium | 4.21 | 4.17  | "         |
| Selenium  | ND   | 2.08  | "         |
| Silver    | ND   | 0.420 | "         |
| Sodium    | ND   | 41.7  | "         |
| Thallium  | ND   | 2.08  | "         |
| Vanadium  | ND   | 0.830 | "         |
| Zinc      | ND   | 2.08  | "         |

Duplicate (BA30420-DUP1)

\*Source sample: 23A0364-06 (Duplicate)

Prepared: 01/10/2023 Analyzed: 01/11/2023

|           |       |       |           |       |       |    |          |
|-----------|-------|-------|-----------|-------|-------|----|----------|
| Aluminum  | 6900  | 5.26  | mg/kg dry | 6950  | 0.763 | 35 | Non-dir. |
| Antimony  | 16.7  | 2.63  | "         | 19.2  | 14.2  | 35 |          |
| Arsenic   | 12.9  | 1.58  | "         | 11.5  | 11.8  | 35 |          |
| Barium    | 3080  | 2.62  | "         | 2280  | 29.9  | 35 |          |
| Beryllium | 0.432 | 0.053 | "         | 0.447 | 3.44  | 35 |          |
| Cadmium   | 9.96  | 0.315 | "         | 9.17  | 8.32  | 35 |          |
| Calcium   | 13100 | 5.26  | "         | 10800 | 19.1  | 35 |          |
| Chromium  | 51.9  | 0.526 | "         | 45.6  | 13.0  | 35 |          |
| Cobalt    | 15.4  | 0.420 | "         | 13.3  | 14.7  | 35 |          |
| Copper    | 1420  | 2.10  | "         | 2060  | 37.0  | 35 |          |
| Iron      | 61200 | 26.3  | "         | 57500 | 6.23  | 35 |          |
| Lead      | 7420  | 0.526 | "         | 6810  | 8.52  | 35 |          |
| Magnesium | 2370  | 5.26  | "         | 2110  | 11.7  | 35 |          |
| Manganese | 734   | 0.526 | "         | 729   | 0.727 | 35 |          |
| Nickel    | 90.1  | 1.05  | "         | 75.6  | 17.4  | 35 |          |
| Potassium | 585   | 5.26  | "         | 649   | 10.3  | 35 |          |
| Selenium  | ND    | 2.63  | "         | ND    |       | 35 |          |
| Silver    | ND    | 0.530 | "         | ND    |       | 35 |          |
| Sodium    | 285   | 52.6  | "         | 261   | 8.99  | 35 |          |
| Thallium  | ND    | 2.63  | "         | ND    |       | 35 |          |
| Vanadium  | 21.3  | 1.05  | "         | 19.5  | 8.70  | 35 |          |
| Zinc      | 4600  | 2.62  | "         | 4580  | 0.610 | 35 |          |



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

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

**Batch BA30420 - EPA 3050B**

| <b>Matrix Spike (BA30420-MS1)</b> |       | <b>*Source sample: 23A0364-06 (Matrix Spike)</b> |           |      |       |      | <b>Prepared: 01/10/2023 Analyzed: 01/11/2023</b> |           |  |  |  |
|-----------------------------------|-------|--------------------------------------------------|-----------|------|-------|------|--------------------------------------------------|-----------|--|--|--|
| Aluminum                          | 7220  | 5.26                                             | mg/kg dry | 210  | 6950  | 129  | 75-125                                           | High Bias |  |  |  |
| Antimony                          | 21.7  | 2.63                                             | "         | 26.3 | 19.2  | 9.57 | 75-125                                           | Low Bias  |  |  |  |
| Arsenic                           | 212   | 1.58                                             | "         | 210  | 11.5  | 95.2 | 75-125                                           |           |  |  |  |
| Barium                            | 2030  | 2.62                                             | "         | 210  | 2280  | NR   | 75-125                                           | Low Bias  |  |  |  |
| Beryllium                         | 5.08  | 0.053                                            | "         | 5.26 | 0.447 | 88.1 | 75-125                                           |           |  |  |  |
| Cadmium                           | 12.1  | 0.315                                            | "         | 5.26 | 9.17  | 55.2 | 75-125                                           | Low Bias  |  |  |  |
| Calcium                           | 12700 | 5.26                                             | "         | 105  | 10800 | NR   | 75-125                                           | High Bias |  |  |  |
| Chromium                          | 57.1  | 0.526                                            | "         | 21.0 | 45.6  | 54.7 | 75-125                                           | Low Bias  |  |  |  |
| Cobalt                            | 63.8  | 0.420                                            | "         | 52.6 | 13.3  | 96.0 | 75-125                                           |           |  |  |  |
| Copper                            | 1470  | 2.10                                             | "         | 26.3 | 2060  | NR   | 75-125                                           | Low Bias  |  |  |  |
| Iron                              | 63500 | 26.3                                             | "         | 105  | 57500 | NR   | 75-125                                           | High Bias |  |  |  |
| Lead                              | 5050  | 0.526                                            | "         | 52.6 | 6810  | NR   | 75-125                                           | Low Bias  |  |  |  |
| Magnesium                         | 2080  | 5.26                                             | "         | 105  | 2110  | NR   | 75-125                                           | Low Bias  |  |  |  |
| Manganese                         | 748   | 0.526                                            | "         | 52.6 | 729   | 36.1 | 75-125                                           | Low Bias  |  |  |  |
| Nickel                            | 127   | 1.05                                             | "         | 52.6 | 75.6  | 98.6 | 75-125                                           |           |  |  |  |
| Potassium                         | 623   | 5.26                                             | "         | 105  | 649   | NR   | 75-125                                           | Low Bias  |  |  |  |
| Selenium                          | 36.3  | 2.63                                             | "         | 210  | ND    | 17.2 | 75-125                                           | Low Bias  |  |  |  |
| Silver                            | 2.93  | 0.530                                            | "         | 5.26 | ND    | 55.8 | 75-125                                           | Low Bias  |  |  |  |
| Sodium                            | 307   | 52.6                                             | "         | 105  | 261   | 43.8 | 75-125                                           | Low Bias  |  |  |  |
| Thallium                          | 171   | 2.63                                             | "         | 210  | ND    | 81.2 | 75-125                                           |           |  |  |  |
| Vanadium                          | 76.5  | 1.05                                             | "         | 52.6 | 19.5  | 108  | 75-125                                           |           |  |  |  |
| Zinc                              | 3800  | 2.62                                             | "         | 52.6 | 4580  | NR   | 75-125                                           | Low Bias  |  |  |  |

| <b>Post Spike (BA30420-PS1)</b> |       | <b>*Source sample: 23A0364-06 (Post Spike)</b> |       |        |        |      | <b>Prepared: 01/10/2023 Analyzed: 01/11/2023</b> |          |  |  |  |
|---------------------------------|-------|------------------------------------------------|-------|--------|--------|------|--------------------------------------------------|----------|--|--|--|
| Aluminum                        | 68.2  |                                                | ug/mL | 2.00   | 66.1   | 105  | 75-125                                           |          |  |  |  |
| Antimony                        | 0.400 |                                                | "     | 0.250  | 0.183  | 86.8 | 75-125                                           |          |  |  |  |
| Arsenic                         | 1.99  |                                                | "     | 2.00   | 0.109  | 94.0 | 75-125                                           |          |  |  |  |
| Barium                          | 23.6  |                                                | "     | 2.00   | 21.7   | 93.8 | 75-125                                           |          |  |  |  |
| Beryllium                       | 0.049 |                                                | "     | 0.0500 | 0.004  | 90.1 | 75-125                                           |          |  |  |  |
| Cadmium                         | 0.134 |                                                | "     | 0.0500 | 0.087  | 92.7 | 75-125                                           |          |  |  |  |
| Calcium                         | 100   |                                                | "     | 1.00   | 103    | NR   | 75-125                                           | Low Bias |  |  |  |
| Chromium                        | 0.616 |                                                | "     | 0.200  | 0.434  | 91.0 | 75-125                                           |          |  |  |  |
| Cobalt                          | 0.596 |                                                | "     | 0.500  | 0.127  | 93.9 | 75-125                                           |          |  |  |  |
| Copper                          | 19.8  |                                                | "     | 0.250  | 19.6   | 99.9 | 75-125                                           |          |  |  |  |
| Iron                            | 548   |                                                | "     | 1.00   | 547    | 79.9 | 75-125                                           |          |  |  |  |
| Lead                            | 65.4  |                                                | "     | 0.500  | 64.8   | 117  | 75-125                                           |          |  |  |  |
| Magnesium                       | 20.9  |                                                | "     | 1.00   | 20.1   | 81.1 | 75-125                                           |          |  |  |  |
| Manganese                       | 7.37  |                                                | "     | 0.500  | 6.93   | 88.0 | 75-125                                           |          |  |  |  |
| Nickel                          | 1.17  |                                                | "     | 0.500  | 0.719  | 90.1 | 75-125                                           |          |  |  |  |
| Potassium                       | 6.73  |                                                | "     | 1.00   | 6.17   | 56.4 | 75-125                                           | Low Bias |  |  |  |
| Selenium                        | 0.557 |                                                | "     | 2.00   | -1.05  | 27.9 | 75-125                                           | Low Bias |  |  |  |
| Silver                          | 0.030 |                                                | "     | 0.0500 | -0.019 | 60.2 | 75-125                                           | Low Bias |  |  |  |
| Sodium                          | 3.26  |                                                | "     | 1.00   | 2.48   | 78.4 | 75-125                                           |          |  |  |  |
| Thallium                        | 1.71  |                                                | "     | 2.00   | 0.002  | 85.2 | 75-125                                           |          |  |  |  |
| Vanadium                        | 0.650 |                                                | "     | 0.500  | 0.185  | 92.9 | 75-125                                           |          |  |  |  |
| Zinc                            | 43.9  |                                                | "     | 0.500  | 43.5   | 81.4 | 75-125                                           |          |  |  |  |



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

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source*<br>Result | %REC<br>Limits | Flag | RPD | RPD<br>Limit | Flag |
|---------|--------|--------------------|-------|----------------|-------------------|----------------|------|-----|--------------|------|
|---------|--------|--------------------|-------|----------------|-------------------|----------------|------|-----|--------------|------|

**Batch BA30420 - EPA 3050B**

**Reference (BA30420-SRM1)**

Prepared: 01/10/2023 Analyzed: 01/11/2023

|           |       |       |           |       |  |      |            |  |  |  |
|-----------|-------|-------|-----------|-------|--|------|------------|--|--|--|
| Aluminum  | 7420  | 4.17  | mg/kg wet | 7970  |  | 93.1 | 49.7-150.6 |  |  |  |
| Antimony  | 72.2  | 2.08  | "         | 136   |  | 53.1 | 20.4-249.3 |  |  |  |
| Arsenic   | 90.6  | 1.25  | "         | 87.4  |  | 104  | 70-130.4   |  |  |  |
| Barium    | 370   | 2.08  | "         | 347   |  | 107  | 75.2-130.3 |  |  |  |
| Beryllium | 104   | 0.042 | "         | 103   |  | 101  | 74.8-132   |  |  |  |
| Cadmium   | 166   | 0.250 | "         | 160   |  | 104  | 75-145.6   |  |  |  |
| Calcium   | 4000  | 4.17  | "         | 4100  |  | 97.6 | 71.7-139.3 |  |  |  |
| Chromium  | 230   | 0.417 | "         | 231   |  | 99.7 | 70.1-134.2 |  |  |  |
| Cobalt    | 250   | 0.333 | "         | 241   |  | 104  | 75.1-141.5 |  |  |  |
| Copper    | 151   | 1.67  | "         | 144   |  | 105  | 75-126.4   |  |  |  |
| Iron      | 13000 | 20.8  | "         | 14200 |  | 91.6 | 35.3-164.8 |  |  |  |
| Lead      | 260   | 0.417 | "         | 266   |  | 97.8 | 74.1-125.9 |  |  |  |
| Magnesium | 2230  | 4.17  | "         | 2220  |  | 101  | 61.3-138.7 |  |  |  |
| Manganese | 536   | 0.417 | "         | 555   |  | 96.5 | 77.3-132.8 |  |  |  |
| Nickel    | 375   | 0.830 | "         | 350   |  | 107  | 70-144     |  |  |  |
| Potassium | 1760  | 4.17  | "         | 1940  |  | 90.8 | 58.2-141.8 |  |  |  |
| Selenium  | 101   | 2.08  | "         | 130   |  | 77.6 | 66.9-133.8 |  |  |  |
| Silver    | 51.6  | 0.420 | "         | 57.1  |  | 90.3 | 70.2-129.8 |  |  |  |
| Sodium    | 116   | 41.7  | "         | 117   |  | 98.9 | 30.5-170.1 |  |  |  |
| Thallium  | 73.2  | 2.08  | "         | 75.4  |  | 97.0 | 64.3-135.3 |  |  |  |
| Vanadium  | 84.1  | 0.830 | "         | 88.6  |  | 94.9 | 65.6-134.3 |  |  |  |
| Zinc      | 155   | 2.08  | "         | 160   |  | 97.1 | 70-130     |  |  |  |



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

### York Analytical Laboratories, Inc. - Stratford

| Analyte                                   | Result | Reporting<br>Limit | Units     | Spike<br>Level | Source*<br>Result | %REC | %REC<br>Limits | Flag                            | RPD | RPD<br>Limit | Flag |
|-------------------------------------------|--------|--------------------|-----------|----------------|-------------------|------|----------------|---------------------------------|-----|--------------|------|
| <b>Batch BA30316 - EPA 7473 soil</b>      |        |                    |           |                |                   |      |                |                                 |     |              |      |
| <b>Blank (BA30316-BLK1)</b>               |        |                    |           |                |                   |      |                |                                 |     |              |      |
|                                           |        |                    |           |                |                   |      |                | Prepared & Analyzed: 01/09/2023 |     |              |      |
| Mercury                                   | ND     | 0.0300             | mg/kg wet |                |                   |      |                |                                 |     |              |      |
| <b>Duplicate (BA30316-DUP1)</b>           |        |                    |           |                |                   |      |                |                                 |     |              |      |
| *Source sample: 23A0242-05 (Duplicate)    |        |                    |           |                |                   |      |                | Prepared & Analyzed: 01/09/2023 |     |              |      |
| Mercury                                   | ND     | 0.0327             | mg/kg dry |                | 0.0402            |      |                |                                 |     | 35           |      |
| <b>Matrix Spike (BA30316-MS1)</b>         |        |                    |           |                |                   |      |                |                                 |     |              |      |
| *Source sample: 23A0242-05 (Matrix Spike) |        |                    |           |                |                   |      |                | Prepared & Analyzed: 01/09/2023 |     |              |      |
| Mercury                                   | 0.457  |                    | mg/kg     | 0.500          | 0.0369            | 84.0 | 75-125         |                                 |     |              |      |
| <b>Reference (BA30316-SRM1)</b>           |        |                    |           |                |                   |      |                |                                 |     |              |      |
|                                           |        |                    |           |                |                   |      |                | Prepared & Analyzed: 01/09/2023 |     |              |      |
| Mercury                                   | 23.950 |                    | mg/kg     | 27.2           |                   | 88.1 | 59.9-140.1     |                                 |     |              |      |





## Miscellaneous Physical Parameters - Quality Control Data

### York Analytical Laboratories, Inc. - Stratford

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source*<br>Result | %REC | %REC<br>Limits | Flag | RPD | RPD<br>Limit | Flag |
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|

#### Batch BA30282 - % Solids Prep

|                                 |      |                                        |   |  |      |  |  |                                 |       |    |  |
|---------------------------------|------|----------------------------------------|---|--|------|--|--|---------------------------------|-------|----|--|
| <b>Duplicate (BA30282-DUP1)</b> |      | *Source sample: 23A0327-06 (Duplicate) |   |  |      |  |  | Prepared & Analyzed: 01/06/2023 |       |    |  |
| % Solids                        | 94.1 | 0.100                                  | % |  | 94.0 |  |  |                                 | 0.117 | 20 |  |



### Volatile Analysis Sample Containers

| Lab ID     | Client Sample ID | Volatile Sample Container         |
|------------|------------------|-----------------------------------|
| 23A0263-01 | B-7 0-2          | 40mL Vial with Stir Bar-Cool 4° C |
| 23A0263-02 | B-7 11-13        | 40mL Vial with Stir Bar-Cool 4° C |
| 23A0263-03 | B-1W 0-2         | 40mL Vial with Stir Bar-Cool 4° C |
| 23A0263-04 | B-1W 2-4         | 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.                                                                                                                                                                    |
| QM-05  | The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable. |
| QL-02  | This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.                          |
| M-SPKM | The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.                                                                                                                  |
| M-PS   | This Element exhibited recovery outside control limits for the Post Spike.                                                                                                                                                  |
| M-DUPS | The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity                                                                                                                      |
| M-BLK  | The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.                                                         |
| 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.                                                     |
| CCVE   | The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).                                    |
| B      | Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.                                                                                         |

### Definitions and Other Explanations

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



Non-Dir. Non-dir. flag (Non-Directional Bias ) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

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

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

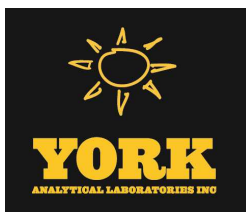
2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

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

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





# Technical Report

prepared for:

**Gallagher Bassett - Poughkeepsie, NY**

22 IBM Road, Suite 101  
Poughkeepsie NY, 12601  
**Attention: Erick Salazar**

Report Date: 01/17/2023

**Client Project ID: 21003-0004**

York Project (SDG) No.: 23A0373

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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

STRATFORD, CT 06615  
(203) 325-1371



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

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

Report Date: 01/17/2023  
Client Project ID: 21003-0004  
York Project (SDG) No.: 23A0373

**Gallagher Bassett - Poughkeepsie, NY**  
22 IBM Road, Suite 101  
Poughkeepsie NY, 12601  
Attention: Erick Salazar

---

## 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 January 06, 2023 and listed below. The project was identified as your project: **21003-0004**.

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

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

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

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

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

| <u>York Sample ID</u> | <u>Client Sample ID</u> | <u>Matrix</u> | <u>Date Collected</u> | <u>Date Received</u> |
|-----------------------|-------------------------|---------------|-----------------------|----------------------|
| 23A0373-01            | B-6 0-2                 | Soil          | 01/06/2023            | 01/05/2023           |
| 23A0373-02            | B-6 2-4                 | Soil          | 01/06/2023            | 01/05/2023           |
| 23A0373-03            | B-4 0-2                 | Soil          | 01/06/2023            | 01/05/2023           |
| 23A0373-04            | B-4 2-4                 | Soil          | 01/06/2023            | 01/05/2023           |
| 23A0373-05            | B-3 0-2                 | Soil          | 01/06/2023            | 01/05/2023           |
| 23A0373-06            | B-5 0-2                 | Soil          | 01/06/2023            | 01/05/2023           |
| 23A0373-07            | B-5 2-4                 | Soil          | 01/06/2023            | 01/05/2023           |
| 23A0373-08            | B-2W 0-2                | Soil          | 01/06/2023            | 01/05/2023           |
| 23A0373-09            | B-2W 2-4                | Soil          | 01/06/2023            | 01/05/2023           |

## **General Notes for York Project (SDG) No.: 23A0373**

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:** 01/17/2023

Cassie L. Mosher  
Laboratory Manager







## Sample Information

**Client Sample ID:** B-6 0-2

**York Sample ID:** 23A0373-01

**York Project (SDG) No.**

**Client Project ID**

**Matrix**

**Collection Date/Time**

**Date Received**

23A0373

21003-0004

Soil

January 6, 2023 9:43 am

01/05/2023

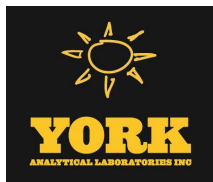
### Volatile Organics, 8260 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.  | Parameter                                            | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|------------------------------------------------------|--------|------|-----------|------------------------|--------|----------|------------------------------|-----------------------|-----------------------|---------|
| 630-20-6 | 1,1,1,2-Tetrachloroethane                            | ND     |      | mg/kg dry | 0.0025                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 71-55-6  | 1,1,1-Trichloroethane                                | ND     |      | mg/kg dry | 0.0025                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 79-34-5  | 1,1,2,2-Tetrachloroethane                            | ND     |      | mg/kg dry | 0.0025                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 76-13-1  | 1,1,2-Trichloro-1,2,2-trifluoroethane<br>(Freon 113) | ND     |      | mg/kg dry | 0.0025                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 79-00-5  | 1,1,2-Trichloroethane                                | ND     |      | mg/kg dry | 0.0025                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 75-34-3  | 1,1-Dichloroethane                                   | ND     |      | mg/kg dry | 0.0025                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 75-35-4  | 1,1-Dichloroethylene                                 | ND     | CCVE | mg/kg dry | 0.0025                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 87-61-6  | 1,2,3-Trichlorobenzene                               | ND     |      | mg/kg dry | 0.0025                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 96-18-4  | 1,2,3-Trichloropropane                               | ND     |      | mg/kg dry | 0.0025                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 120-82-1 | 1,2,4-Trichlorobenzene                               | ND     |      | mg/kg dry | 0.0025                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 95-63-6  | 1,2,4-Trimethylbenzene                               | ND     |      | mg/kg dry | 0.0025                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 96-12-8  | 1,2-Dibromo-3-chloropropane                          | ND     |      | mg/kg dry | 0.0025                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 106-93-4 | 1,2-Dibromoethane                                    | ND     |      | mg/kg dry | 0.0025                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 95-50-1  | 1,2-Dichlorobenzene                                  | ND     |      | mg/kg dry | 0.0025                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 107-06-2 | 1,2-Dichloroethane                                   | ND     |      | mg/kg dry | 0.0025                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 78-87-5  | 1,2-Dichloropropane                                  | ND     |      | mg/kg dry | 0.0025                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 108-67-8 | 1,3,5-Trimethylbenzene                               | ND     |      | mg/kg dry | 0.0025                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 541-73-1 | 1,3-Dichlorobenzene                                  | ND     |      | mg/kg dry | 0.0025                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 106-46-7 | 1,4-Dichlorobenzene                                  | ND     |      | mg/kg dry | 0.0025                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 123-91-1 | 1,4-Dioxane                                          | ND     |      | mg/kg dry | 0.051                  | 0.10   | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 78-93-3  | 2-Butanone                                           | ND     |      | mg/kg dry | 0.0025                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 591-78-6 | 2-Hexanone                                           | ND     |      | mg/kg dry | 0.0025                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |



## Sample Information

**Client Sample ID:** B-6 0-2

**York Sample ID:** 23A0373-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0373

21003-0004

Soil

January 6, 2023 9:43 am

01/05/2023

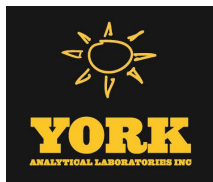
### Volatile Organics, 8260 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.    | Parameter                 | Result | Flag  | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|---------------------------|--------|-------|-----------|------------------------|--------|----------|------------------------------|-----------------------|-----------------------|---------|
| 108-10-1   | 4-Methyl-2-pentanone      | ND     | QL-02 | mg/kg dry | 0.0025                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 67-64-1    | Acetone                   | 0.0091 | J     | mg/kg dry | 0.0051                 | 0.010  | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 107-02-8   | Acrolein                  | ND     | CCVE  | mg/kg dry | 0.0051                 | 0.010  | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 107-13-1   | Acrylonitrile             | ND     |       | mg/kg dry | 0.0025                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 71-43-2    | Benzene                   | ND     |       | mg/kg dry | 0.0025                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 74-97-5    | Bromochloromethane        | ND     |       | mg/kg dry | 0.0025                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 75-27-4    | Bromodichloromethane      | ND     |       | mg/kg dry | 0.0025                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 75-25-2    | Bromoform                 | ND     |       | mg/kg dry | 0.0025                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 74-83-9    | Bromomethane              | ND     | CCVE  | mg/kg dry | 0.0025                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 75-15-0    | Carbon disulfide          | ND     |       | mg/kg dry | 0.0025                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 56-23-5    | Carbon tetrachloride      | ND     | CAL-E | mg/kg dry | 0.0025                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 108-90-7   | Chlorobenzene             | ND     |       | mg/kg dry | 0.0025                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 75-00-3    | Chloroethane              | ND     | CCVE  | mg/kg dry | 0.0025                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 67-66-3    | Chloroform                | ND     |       | mg/kg dry | 0.0025                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 74-87-3    | Chloromethane             | ND     | CCVE  | mg/kg dry | 0.0025                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 156-59-2   | cis-1,2-Dichloroethylene  | ND     |       | mg/kg dry | 0.0025                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND     |       | mg/kg dry | 0.0025                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 110-82-7   | Cyclohexane               | ND     | CCVE  | mg/kg dry | 0.0025                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 124-48-1   | Dibromochloromethane      | ND     |       | mg/kg dry | 0.0025                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 74-95-3    | Dibromomethane            | ND     |       | mg/kg dry | 0.0025                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 75-71-8    | Dichlorodifluoromethane   | ND     | CCVE  | mg/kg dry | 0.0025                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 100-41-4   | Ethyl Benzene             | ND     |       | mg/kg dry | 0.0025                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 87-68-3    | Hexachlorobutadiene       | ND     |       | mg/kg dry | 0.0025                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |



## Sample Information

**Client Sample ID:** B-6 0-2

**York Sample ID:** 23A0373-01

York Project (SDG) No.

23A0373

Client Project ID

21003-0004

Matrix

Soil

Collection Date/Time

January 6, 2023 9:43 am

Date Received

01/05/2023

### Volatile Organics, 8260 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.              | Parameter                                 | Result | Flag             | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------------------|-------------------------------------------|--------|------------------|-----------|------------------------|--------|----------|------------------------------|-----------------------|-----------------------|---------|
| 98-82-8              | Isopropylbenzene                          | ND     |                  | mg/kg dry | 0.0025                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 79-20-9              | Methyl acetate                            | ND     |                  | mg/kg dry | 0.0025                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 1634-04-4            | Methyl tert-butyl ether (MTBE)            | ND     |                  | mg/kg dry | 0.0025                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 108-87-2             | Methylcyclohexane                         | ND     |                  | mg/kg dry | 0.0025                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 75-09-2              | Methylene chloride                        | ND     | CCVE             | mg/kg dry | 0.0051                 | 0.010  | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 104-51-8             | n-Butylbenzene                            | ND     |                  | mg/kg dry | 0.0025                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 103-65-1             | n-Propylbenzene                           | ND     |                  | mg/kg dry | 0.0025                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 95-47-6              | o-Xylene                                  | ND     |                  | mg/kg dry | 0.0025                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 179601-23-1          | p- & m- Xylenes                           | ND     |                  | mg/kg dry | 0.0051                 | 0.010  | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 99-87-6              | p-Isopropyltoluene                        | ND     |                  | mg/kg dry | 0.0025                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 135-98-8             | sec-Butylbenzene                          | ND     |                  | mg/kg dry | 0.0025                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 100-42-5             | Styrene                                   | ND     |                  | mg/kg dry | 0.0025                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 75-65-0              | tert-Butyl alcohol (TBA)                  | ND     |                  | mg/kg dry | 0.0025                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 98-06-6              | tert-Butylbenzene                         | ND     |                  | mg/kg dry | 0.0025                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 127-18-4             | Tetrachloroethylene                       | ND     |                  | mg/kg dry | 0.0025                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 108-88-3             | Toluene                                   | ND     |                  | mg/kg dry | 0.0025                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 156-60-5             | trans-1,2-Dichloroethylene                | ND     |                  | mg/kg dry | 0.0025                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 10061-02-6           | trans-1,3-Dichloropropylene               | ND     |                  | mg/kg dry | 0.0025                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 79-01-6              | Trichloroethylene                         | ND     |                  | mg/kg dry | 0.0025                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 75-69-4              | Trichlorofluoromethane                    | ND     | CCVE             | mg/kg dry | 0.0025                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 75-01-4              | Vinyl Chloride                            | ND     | CCVE             | mg/kg dry | 0.0025                 | 0.0051 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| 1330-20-7            | Xylenes, Total                            | ND     |                  | mg/kg dry | 0.0076                 | 0.015  | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 15:56      | JTG     |
| Surrogate Recoveries |                                           | Result | Acceptance Range |           |                        |        |          |                              |                       |                       |         |
| 17060-07-0           | Surrogate: SURR:<br>1,2-Dichloroethane-d4 | 104 %  | 77-125           |           |                        |        |          |                              |                       |                       |         |



## Sample Information

**Client Sample ID:** B-6 0-2

**York Sample ID:** 23A0373-01

York Project (SDG) No.  
23A0373

Client Project ID  
21003-0004

Matrix  
Soil

Collection Date/Time  
January 6, 2023 9:43 am

Date Received  
01/05/2023

### Volatile Organics, 8260 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.   | Parameter                                | Result | Flag | Units | Reported to<br>LOD/MDL | LOQ | Dilution | Reference Method | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|------------------------------------------|--------|------|-------|------------------------|-----|----------|------------------|-----------------------|-----------------------|---------|
| 2037-26-5 | Surrogate: SURR: Toluene-d8              | 103 %  |      |       | 85-120                 |     |          |                  |                       |                       |         |
| 460-00-4  | Surrogate: SURR:<br>p-Bromofluorobenzene | 118 %  |      |       | 76-130                 |     |          |                  |                       |                       |         |

### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.  | Parameter                             | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|---------------------------------------|--------|------|-----------|------------------------|--------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 92-52-4  | 1,1-Biphenyl                          | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 17:58      | KH      |
| 95-94-3  | 1,2,4,5-Tetrachlorobenzene            | ND     |      | mg/kg dry | 0.0878                 | 0.175  | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 17:58      | KH      |
| 120-82-1 | 1,2,4-Trichlorobenzene                | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 17:58      | KH      |
| 95-50-1  | 1,2-Dichlorobenzene                   | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP                     | 01/11/2023 08:27      | 01/12/2023 17:58      | KH      |
| 122-66-7 | 1,2-Diphenylhydrazine (as Azobenzene) | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 17:58      | KH      |
| 541-73-1 | 1,3-Dichlorobenzene                   | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP                     | 01/11/2023 08:27      | 01/12/2023 17:58      | KH      |
| 106-46-7 | 1,4-Dichlorobenzene                   | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP                     | 01/11/2023 08:27      | 01/12/2023 17:58      | KH      |
| 58-90-2  | 2,3,4,6-Tetrachlorophenol             | ND     |      | mg/kg dry | 0.0878                 | 0.175  | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 17:58      | KH      |
| 95-95-4  | 2,4,5-Trichlorophenol                 | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 17:58      | KH      |
| 88-06-2  | 2,4,6-Trichlorophenol                 | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 17:58      | KH      |
| 120-83-2 | 2,4-Dichlorophenol                    | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 17:58      | KH      |
| 105-67-9 | 2,4-Dimethylphenol                    | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 17:58      | KH      |
| 51-28-5  | 2,4-Dinitrophenol                     | ND     |      | mg/kg dry | 0.0878                 | 0.175  | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 17:58      | KH      |
| 121-14-2 | 2,4-Dinitrotoluene                    | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 17:58      | KH      |
| 606-20-2 | 2,6-Dinitrotoluene                    | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 17:58      | KH      |
| 91-58-7  | 2-Chloronaphthalene                   | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 17:58      | KH      |
| 95-57-8  | 2-Chlorophenol                        | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 17:58      | KH      |
| 91-57-6  | 2-Methylnaphthalene                   | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 17:58      | KH      |
| 95-48-7  | 2-Methylphenol                        | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 17:58      | KH      |



## Sample Information

**Client Sample ID:** B-6 0-2

**York Sample ID:** 23A0373-01

York Project (SDG) No.  
23A0373

Client Project ID  
21003-0004

Matrix  
Soil

Collection Date/Time  
January 6, 2023 9:43 am

Date Received  
01/05/2023

### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.    | Parameter                   | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method             | Date/Time<br>Prepared                                       | Date/Time<br>Analyzed | Analyst |
|------------|-----------------------------|--------|------|-----------|------------------------|--------|----------|------------------------------|-------------------------------------------------------------|-----------------------|---------|
| 88-74-4    | 2-Nitroaniline              | ND     |      | mg/kg dry | 0.0878                 | 0.175  | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 17:58      | KH      |
| 88-75-5    | 2-Nitrophenol               | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 17:58      | KH      |
| 65794-96-9 | 3- & 4-Methylphenols        | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 17:58      | KH      |
| 91-94-1    | 3,3-Dichlorobenzidine       | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>NELAC-NY10854,NJDEP,PADEP               | 01/12/2023 17:58      | KH      |
| 99-09-2    | 3-Nitroaniline              | ND     |      | mg/kg dry | 0.0878                 | 0.175  | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 17:58      | KH      |
| 534-52-1   | 4,6-Dinitro-2-methylphenol  | ND     |      | mg/kg dry | 0.0878                 | 0.175  | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 17:58      | KH      |
| 101-55-3   | 4-Bromophenyl phenyl ether  | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 17:58      | KH      |
| 59-50-7    | 4-Chloro-3-methylphenol     | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 17:58      | KH      |
| 106-47-8   | 4-Chloroaniline             | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 17:58      | KH      |
| 7005-72-3  | 4-Chlorophenyl phenyl ether | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 17:58      | KH      |
| 100-01-6   | 4-Nitroaniline              | ND     |      | mg/kg dry | 0.0878                 | 0.175  | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 17:58      | KH      |
| 100-02-7   | 4-Nitrophenol               | ND     |      | mg/kg dry | 0.0878                 | 0.175  | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 17:58      | KH      |
| 83-32-9    | Acenaphthene                | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 17:58      | KH      |
| 208-96-8   | Acenaphthylene              | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 17:58      | KH      |
| 98-86-2    | Acetophenone                | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>NELAC-NY10854,NJDEP,PADEP               | 01/12/2023 17:58      | KH      |
| 62-53-3    | Aniline                     | ND     |      | mg/kg dry | 0.176                  | 0.352  | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>NELAC-NY10854,NJDEP,PADEP               | 01/12/2023 17:58      | KH      |
| 120-12-7   | Anthracene                  | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 17:58      | KH      |
| 1912-24-9  | Atrazine                    | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>NELAC-NY10854,NJDEP,PADEP               | 01/12/2023 17:58      | KH      |
| 100-52-7   | Benzaldehyde                | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>NELAC-NY10854,NJDEP,PADEP               | 01/12/2023 17:58      | KH      |
| 92-87-5    | Benzidine                   | ND     |      | mg/kg dry | 0.176                  | 0.352  | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 17:58      | KH      |
| 56-55-3    | Benzo(a)anthracene          | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 17:58      | KH      |
| 50-32-8    | Benzo(a)pyrene              | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 17:58      | KH      |
| 205-99-2   | Benzo(b)fluoranthene        | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 17:58      | KH      |



## Sample Information

**Client Sample ID:** B-6 0-2

**York Sample ID:** 23A0373-01

York Project (SDG) No.  
23A0373

Client Project ID  
21003-0004

Matrix  
Soil

Collection Date/Time  
January 6, 2023 9:43 am

Date Received  
01/05/2023

### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.  | Parameter                         | Result        | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|-----------------------------------|---------------|------|-----------|------------------------|--------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 191-24-2 | Benzo(g,h,i)perylene              | ND            |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 17:58      | KH      |
| 207-08-9 | Benzo(k)fluoranthene              | ND            |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 17:58      | KH      |
| 65-85-0  | Benzoic acid                      | ND            |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 17:58      | KH      |
| 100-51-6 | Benzyl alcohol                    | ND            |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 17:58      | KH      |
| 85-68-7  | <b>Benzyl butyl phthalate</b>     | <b>0.205</b>  |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 17:58      | KH      |
| 111-91-1 | Bis(2-chloroethoxy)methane        | ND            |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 17:58      | KH      |
| 111-44-4 | Bis(2-chloroethyl)ether           | ND            |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 17:58      | KH      |
| 108-60-1 | Bis(2-chloroisopropyl)ether       | ND            |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 17:58      | KH      |
| 117-81-7 | <b>Bis(2-ethylhexyl)phthalate</b> | <b>0.0575</b> | J    | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 17:58      | KH      |
| 105-60-2 | Caprolactam                       | ND            |      | mg/kg dry | 0.0878                 | 0.175  | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 17:58      | KH      |
| 86-74-8  | Carbazole                         | ND            |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 17:58      | KH      |
| 218-01-9 | Chrysene                          | ND            |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 17:58      | KH      |
| 53-70-3  | Dibenzo(a,h)anthracene            | ND            |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 17:58      | KH      |
| 132-64-9 | Dibenzofuran                      | ND            |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 17:58      | KH      |
| 84-66-2  | Diethyl phthalate                 | ND            |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 17:58      | KH      |
| 131-11-3 | Dimethyl phthalate                | ND            |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 17:58      | KH      |
| 84-74-2  | Di-n-butyl phthalate              | ND            |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 17:58      | KH      |
| 117-84-0 | Di-n-octyl phthalate              | ND            |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 17:58      | KH      |
| 206-44-0 | Fluoranthene                      | ND            |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 17:58      | KH      |
| 86-73-7  | Fluorene                          | ND            |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 17:58      | KH      |
| 118-74-1 | Hexachlorobenzene                 | ND            |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 17:58      | KH      |
| 87-68-3  | Hexachlorobutadiene               | ND            |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 17:58      | KH      |
| 77-47-4  | Hexachlorocyclopentadiene         | ND            |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 17:58      | KH      |





## Sample Information

**Client Sample ID:** B-6 0-2

**York Sample ID:** 23A0373-01

York Project (SDG) No.  
23A0373

Client Project ID  
21003-0004

Matrix  
Soil

Collection Date/Time  
January 6, 2023 9:43 am

Date Received  
01/05/2023

### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                                | Result        | Flag                    | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|------------------------------------------|---------------|-------------------------|-----------|------------------------|--------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 67-72-1                     | Hexachloroethane                         | ND            |                         | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 17:58      | KH      |
| 193-39-5                    | Indeno(1,2,3-cd)pyrene                   | ND            |                         | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 17:58      | KH      |
| 78-59-1                     | Isophorone                               | ND            |                         | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 17:58      | KH      |
| 91-20-3                     | Naphthalene                              | ND            |                         | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 17:58      | KH      |
| 98-95-3                     | Nitrobenzene                             | ND            |                         | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 17:58      | KH      |
| 62-75-9                     | N-Nitrosodimethylamine                   | ND            |                         | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 17:58      | KH      |
| 621-64-7                    | N-nitroso-di-n-propylamine               | ND            |                         | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 17:58      | KH      |
| 86-30-6                     | N-Nitrosodiphenylamine                   | ND            |                         | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 17:58      | KH      |
| 87-86-5                     | Pentachlorophenol                        | ND            |                         | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 17:58      | KH      |
| 85-01-8                     | Phenanthrene                             | ND            |                         | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 17:58      | KH      |
| 108-95-2                    | Phenol                                   | ND            |                         | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 17:58      | KH      |
| 129-00-0                    | Pyrene                                   | ND            |                         | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 17:58      | KH      |
| <b>Surrogate Recoveries</b> |                                          | <b>Result</b> | <b>Acceptance Range</b> |           |                        |        |          |                                                                      |                       |                       |         |
| 367-12-4                    | Surrogate: SURR: 2-Fluorophenol          | 63.3 %        | 20-108                  |           |                        |        |          |                                                                      |                       |                       |         |
| 4165-62-2                   | Surrogate: SURR: Phenol-d5               | 66.3 %        | 23-114                  |           |                        |        |          |                                                                      |                       |                       |         |
| 4165-60-0                   | Surrogate: SURR: Nitrobenzene-d5         | 47.8 %        | 22-108                  |           |                        |        |          |                                                                      |                       |                       |         |
| 321-60-8                    | Surrogate: SURR: 2-Fluorobiphenyl        | 67.5 %        | 21-113                  |           |                        |        |          |                                                                      |                       |                       |         |
| 118-79-6                    | Surrogate: SURR:<br>2,4,6-Tribromophenol | 31.0 %        | 19-110                  |           |                        |        |          |                                                                      |                       |                       |         |
| 1718-51-0                   | Surrogate: SURR: Terphenyl-d14           | 74.8 %        | 24-116                  |           |                        |        |          |                                                                      |                       |                       |         |

### Pesticides, 8081 target list

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.  | Parameter | Result | Flag | Units     | Reported to<br>LOQ | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|-----------|--------|------|-----------|--------------------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 72-54-8  | 4,4'-DDD  | ND     |      | mg/kg dry | 0.00170            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 18:58      | BJ      |
| 72-55-9  | 4,4'-DDE  | ND     |      | mg/kg dry | 0.00170            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 18:58      | BJ      |
| 50-29-3  | 4,4'-DDT  | ND     |      | mg/kg dry | 0.00170            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 18:58      | BJ      |
| 309-00-2 | Aldrin    | ND     |      | mg/kg dry | 0.00170            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 18:58      | BJ      |



## Sample Information

**Client Sample ID:** B-6 0-2

**York Sample ID:** 23A0373-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0373

21003-0004

Soil

January 6, 2023 9:43 am

01/05/2023

### Pesticides, 8081 target list

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.              | Parameter                       | Result | Flag             | Units     | Reported to<br>LOQ | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------------------|---------------------------------|--------|------------------|-----------|--------------------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 319-84-6             | alpha-BHC                       | ND     |                  | mg/kg dry | 0.00170            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 18:58      | BJ      |
| 5103-71-9            | alpha-Chlordane                 | ND     |                  | mg/kg dry | 0.00170            | 5        | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP                     | 01/09/2023 08:49      | 01/13/2023 18:58      | BJ      |
| 319-85-7             | beta-BHC                        | ND     |                  | mg/kg dry | 0.00170            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 18:58      | BJ      |
| 12789-03-6           | Chlordane, total                | ND     |                  | mg/kg dry | 0.0341             | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 18:58      | BJ      |
| 319-86-8             | delta-BHC                       | ND     |                  | mg/kg dry | 0.00170            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 18:58      | BJ      |
| 60-57-1              | Dieldrin                        | ND     |                  | mg/kg dry | 0.00170            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 18:58      | BJ      |
| 959-98-8             | Endosulfan I                    | ND     |                  | mg/kg dry | 0.00170            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 18:58      | BJ      |
| 33213-65-9           | Endosulfan II                   | ND     |                  | mg/kg dry | 0.00170            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854             | 01/09/2023 08:49      | 01/13/2023 18:58      | BJ      |
| 1031-07-8            | Endosulfan sulfate              | ND     |                  | mg/kg dry | 0.00170            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 18:58      | BJ      |
| 72-20-8              | Endrin                          | ND     |                  | mg/kg dry | 0.00170            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 18:58      | BJ      |
| 7421-93-4            | Endrin aldehyde                 | ND     |                  | mg/kg dry | 0.00170            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 18:58      | BJ      |
| 53494-70-5           | Endrin ketone                   | ND     |                  | mg/kg dry | 0.00170            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 18:58      | BJ      |
| 58-89-9              | gamma-BHC (Lindane)             | ND     |                  | mg/kg dry | 0.00170            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 18:58      | BJ      |
| 5566-34-7            | gamma-Chlordane                 | ND     |                  | mg/kg dry | 0.00170            | 5        | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP                     | 01/09/2023 08:49      | 01/13/2023 18:58      | BJ      |
| 76-44-8              | Heptachlor                      | ND     |                  | mg/kg dry | 0.00170            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 18:58      | BJ      |
| 1024-57-3            | Heptachlor epoxide              | ND     |                  | mg/kg dry | 0.00170            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 18:58      | BJ      |
| 72-43-5              | Methoxychlor                    | ND     |                  | mg/kg dry | 0.00852            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 18:58      | BJ      |
| 8001-35-2            | Toxaphene                       | ND     |                  | mg/kg dry | 0.0862             | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 18:58      | BJ      |
| Surrogate Recoveries |                                 | Result | Acceptance Range |           |                    |          |                                                                      |                       |                       |         |
| 2051-24-3            | Surrogate: Decachlorobiphenyl   | 85.3 % | 30-150           |           |                    |          |                                                                      |                       |                       |         |
| 877-09-8             | Surrogate: Tetrachloro-m-xylene | 102 %  | 30-150           |           |                    |          |                                                                      |                       |                       |         |

### Polychlorinated Biphenyls (PCB)

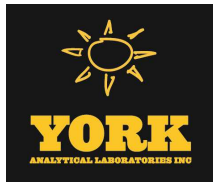
### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to<br>LOQ | Dilution | Reference Method | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|-----------|--------|------|-------|--------------------|----------|------------------|-----------------------|-----------------------|---------|
|---------|-----------|--------|------|-------|--------------------|----------|------------------|-----------------------|-----------------------|---------|





## Sample Information

**Client Sample ID:** B-6 0-2

**York Sample ID:** 23A0373-01

York Project (SDG) No.

23A0373

Client Project ID

21003-0004

Matrix

Soil

Collection Date/Time

January 6, 2023 9:43 am

Date Received

01/05/2023

### Polychlorinated Biphenyls (PCB)

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                       | Result        | Flag                    | Units     | Reported to LOQ | Dilution | Reference Method                                                     | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|-------------------------|-----------|-----------------|----------|----------------------------------------------------------------------|--------------------|--------------------|---------|
| 12674-11-2                  | Aroclor 1016                    | ND            |                         | mg/kg dry | 0.0172          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/09/2023 08:49   | 01/12/2023 21:27   | BJ      |
| 11104-28-2                  | Aroclor 1221                    | ND            |                         | mg/kg dry | 0.0172          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/09/2023 08:49   | 01/12/2023 21:27   | BJ      |
| 11141-16-5                  | Aroclor 1232                    | ND            |                         | mg/kg dry | 0.0172          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/09/2023 08:49   | 01/12/2023 21:27   | BJ      |
| 53469-21-9                  | Aroclor 1242                    | ND            |                         | mg/kg dry | 0.0172          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/09/2023 08:49   | 01/12/2023 21:27   | BJ      |
| 12672-29-6                  | Aroclor 1248                    | ND            |                         | mg/kg dry | 0.0172          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/09/2023 08:49   | 01/12/2023 21:27   | BJ      |
| 11097-69-1                  | Aroclor 1254                    | ND            |                         | mg/kg dry | 0.0172          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/09/2023 08:49   | 01/12/2023 21:27   | BJ      |
| 11096-82-5                  | Aroclor 1260                    | ND            |                         | mg/kg dry | 0.0172          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/09/2023 08:49   | 01/12/2023 21:27   | BJ      |
| 37324-23-5                  | Aroclor 1262                    | ND            |                         | mg/kg dry | 0.0172          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/09/2023 08:49   | 01/12/2023 21:27   | BJ      |
| 11100-14-4                  | Aroclor 1268                    | ND            |                         | mg/kg dry | 0.0172          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/09/2023 08:49   | 01/12/2023 21:27   | BJ      |
| 1336-36-3                   | * Total PCBs                    | ND            |                         | mg/kg dry | 0.0172          | 1        | EPA 8082A<br>Certifications:                                         | 01/09/2023 08:49   | 01/12/2023 21:27   | BJ      |
| <b>Surrogate Recoveries</b> |                                 | <b>Result</b> | <b>Acceptance Range</b> |           |                 |          |                                                                      |                    |                    |         |
| 877-09-8                    | Surrogate: Tetrachloro-m-xylene | 86.0 %        | 30-140                  |           |                 |          |                                                                      |                    |                    |         |
| 2051-24-3                   | Surrogate: Decachlorobiphenyl   | 73.5 %        | 30-140                  |           |                 |          |                                                                      |                    |                    |         |

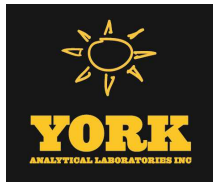
### Metals, Target Analyte

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter        | Result       | Flag | Units     | Reported to LOQ | Dilution | Reference Method                                                     | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------|------------------|--------------|------|-----------|-----------------|----------|----------------------------------------------------------------------|--------------------|--------------------|---------|
| 7429-90-5 | <b>Aluminum</b>  | <b>7030</b>  |      | mg/kg dry | 4.41            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 16:48   | CW      |
| 7440-36-0 | Antimony         | ND           |      | mg/kg dry | 2.21            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 16:48   | CW      |
| 7440-38-2 | Arsenic          | ND           |      | mg/kg dry | 1.32            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 16:48   | CW      |
| 7440-39-3 | <b>Barium</b>    | <b>23.4</b>  |      | mg/kg dry | 2.20            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 16:48   | CW      |
| 7440-41-7 | <b>Beryllium</b> | <b>0.349</b> |      | mg/kg dry | 0.045           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 16:48   | CW      |
| 7440-43-9 | Cadmium          | ND           |      | mg/kg dry | 0.265           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 16:48   | CW      |
| 7440-70-2 | <b>Calcium</b>   | <b>27000</b> |      | mg/kg dry | 4.42            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 16:48   | CW      |



## Sample Information

**Client Sample ID:** B-6 0-2

**York Sample ID:** 23A0373-01

York Project (SDG) No.

23A0373

Client Project ID

21003-0004

Matrix

Soil

Collection Date/Time

January 6, 2023 9:43 am

Date Received

01/05/2023

### Metals, Target Analyte

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter | Result | Flag | Units     | Reported to LOQ | Dilution | Reference Method                                                     | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|-----------------|----------|----------------------------------------------------------------------|--------------------|--------------------|---------|
| 7440-47-3 | Chromium  | 8.97   |      | mg/kg dry | 0.442           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 16:48   | CW      |
| 7440-48-4 | Cobalt    | 2.24   |      | mg/kg dry | 0.353           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 16:48   | CW      |
| 7440-50-8 | Copper    | 5.01   |      | mg/kg dry | 1.77            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 16:48   | CW      |
| 7439-89-6 | Iron      | 6950   |      | mg/kg dry | 22.1            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 16:48   | CW      |
| 7439-92-1 | Lead      | 16.5   |      | mg/kg dry | 0.442           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 16:48   | CW      |
| 7439-95-4 | Magnesium | 1850   |      | mg/kg dry | 4.42            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 16:48   | CW      |
| 7439-96-5 | Manganese | 88.4   |      | mg/kg dry | 0.442           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 16:48   | CW      |
| 7440-02-0 | Nickel    | 6.59   |      | mg/kg dry | 0.880           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 16:48   | CW      |
| 7440-09-7 | Potassium | 598    | B    | mg/kg dry | 4.42            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 16:48   | CW      |
| 7782-49-2 | Selenium  | ND     |      | mg/kg dry | 2.21            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 16:48   | CW      |
| 7440-22-4 | Silver    | ND     |      | mg/kg dry | 0.445           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 16:48   | CW      |
| 7440-23-5 | Sodium    | 227    |      | mg/kg dry | 44.2            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 16:48   | CW      |
| 7440-28-0 | Thallium  | ND     |      | mg/kg dry | 2.21            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 16:48   | CW      |
| 7440-62-2 | Vanadium  | 9.89   |      | mg/kg dry | 0.880           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 16:48   | CW      |
| 7440-66-6 | Zinc      | 19.2   |      | mg/kg dry | 2.20            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 16:48   | CW      |

### Mercury by 7473

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 7473 soil

| CAS No.   | Parameter | Result | Flag | Units     | Reported to LOQ | Dilution | Reference Method                                                    | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|-----------------|----------|---------------------------------------------------------------------|--------------------|--------------------|---------|
| 7439-97-6 | Mercury   | ND     |      | mg/kg dry | 0.0318          | 1        | EPA 7473<br>Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP | 01/10/2023 09:21   | 01/10/2023 15:24   | MR      |

### 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:** B-6 0-2

**York Sample ID:** 23A0373-01

York Project (SDG) No.  
23A0373

Client Project ID  
21003-0004

Matrix  
Soil

Collection Date/Time  
January 6, 2023 9:43 am

Date Received  
01/05/2023

### Total Solids

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: % Solids Prep

| CAS No. | Parameter  | Result | Flag | Units | Reported to<br>LOQ | Dilution | Reference Method                          | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|------------|--------|------|-------|--------------------|----------|-------------------------------------------|-----------------------|-----------------------|---------|
| solids  | * % Solids | 94.4   |      | %     | 0.100              | 1        | SM 2540G<br>Certifications: CTDOH-PH-0723 | 01/10/2023 13:47      | 01/10/2023 16:12      | S_S     |

## Sample Information

**Client Sample ID:** B-6 2-4

**York Sample ID:** 23A0373-02

York Project (SDG) No.  
23A0373

Client Project ID  
21003-0004

Matrix  
Soil

Collection Date/Time  
January 6, 2023 9:51 am

Date Received  
01/05/2023

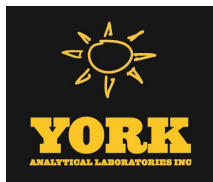
### Volatile Organics, 8260 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.  | Parameter                                            | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                                 | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|------------------------------------------------------|--------|------|-----------|------------------------|--------|----------|----------------------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 630-20-6 | 1,1,1,2-Tetrachloroethane                            | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/11/2023 06:20      | 01/11/2023 16:23      | JTG     |
| 71-55-6  | 1,1,1-Trichloroethane                                | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/11/2023 06:20      | 01/11/2023 16:23      | JTG     |
| 79-34-5  | 1,1,2,2-Tetrachloroethane                            | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/11/2023 06:20      | 01/11/2023 16:23      | JTG     |
| 76-13-1  | 1,1,2-Trichloro-1,2,2-trifluoroethane<br>(Freon 113) | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP     | 01/11/2023 06:20      | 01/11/2023 16:23      | JTG     |
| 79-00-5  | 1,1,2-Trichloroethane                                | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/11/2023 06:20      | 01/11/2023 16:23      | JTG     |
| 75-34-3  | 1,1-Dichloroethane                                   | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/11/2023 06:20      | 01/11/2023 16:23      | JTG     |
| 75-35-4  | 1,1-Dichloroethylene                                 | ND     | CCVE | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/11/2023 06:20      | 01/11/2023 16:23      | JTG     |
| 87-61-6  | 1,2,3-Trichlorobenzene                               | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/11/2023 06:20      | 01/11/2023 16:23      | JTG     |
| 96-18-4  | 1,2,3-Trichloropropane                               | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP                   | 01/11/2023 06:20      | 01/11/2023 16:23      | JTG     |
| 120-82-1 | 1,2,4-Trichlorobenzene                               | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/11/2023 06:20      | 01/11/2023 16:23      | JTG     |
| 95-63-6  | 1,2,4-Trimethylbenzene                               | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/11/2023 06:20      | 01/11/2023 16:23      | JTG     |
| 96-12-8  | 1,2-Dibromo-3-chloropropane                          | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/11/2023 06:20      | 01/11/2023 16:23      | JTG     |
| 106-93-4 | 1,2-Dibromoethane                                    | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/11/2023 06:20      | 01/11/2023 16:23      | JTG     |
| 95-50-1  | 1,2-Dichlorobenzene                                  | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/11/2023 06:20      | 01/11/2023 16:23      | JTG     |



## Sample Information

**Client Sample ID:** B-6 2-4

**York Sample ID:** 23A0373-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0373

21003-0004

Soil

January 6, 2023 9:51 am

01/05/2023

### Volatile Organics, 8260 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.  | Parameter              | Result | Flag  | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method             | Date/Time<br>Prepared                                                   | Date/Time<br>Analyzed | Analyst |
|----------|------------------------|--------|-------|-----------|------------------------|--------|----------|------------------------------|-------------------------------------------------------------------------|-----------------------|---------|
| 107-06-2 | 1,2-Dichloroethane     | ND     |       | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/11/2023 16:23      | JTG     |
| 78-87-5  | 1,2-Dichloropropane    | ND     |       | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/11/2023 16:23      | JTG     |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND     |       | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/11/2023 16:23      | JTG     |
| 541-73-1 | 1,3-Dichlorobenzene    | ND     |       | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/11/2023 16:23      | JTG     |
| 106-46-7 | 1,4-Dichlorobenzene    | ND     |       | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/11/2023 16:23      | JTG     |
| 123-91-1 | 1,4-Dioxane            | ND     |       | mg/kg dry | 0.054                  | 0.11   | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20<br>NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/11/2023 16:23      | JTG     |
| 78-93-3  | 2-Butanone             | ND     |       | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/11/2023 16:23      | JTG     |
| 591-78-6 | 2-Hexanone             | ND     |       | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/11/2023 16:23      | JTG     |
| 108-10-1 | 4-Methyl-2-pentanone   | ND     | QL-02 | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/11/2023 16:23      | JTG     |
| 67-64-1  | Acetone                | 0.0060 | J     | mg/kg dry | 0.0054                 | 0.011  | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/11/2023 16:23      | JTG     |
| 107-02-8 | Acrolein               | ND     | CCVE  | mg/kg dry | 0.0054                 | 0.011  | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/11/2023 16:23      | JTG     |
| 107-13-1 | Acrylonitrile          | ND     |       | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/11/2023 16:23      | JTG     |
| 71-43-2  | Benzene                | ND     |       | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/11/2023 16:23      | JTG     |
| 74-97-5  | Bromochloromethane     | ND     |       | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20<br>NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/11/2023 16:23      | JTG     |
| 75-27-4  | Bromodichloromethane   | ND     |       | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/11/2023 16:23      | JTG     |
| 75-25-2  | Bromoform              | ND     |       | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/11/2023 16:23      | JTG     |
| 74-83-9  | Bromomethane           | ND     | CCVE  | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/11/2023 16:23      | JTG     |
| 75-15-0  | Carbon disulfide       | ND     |       | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/11/2023 16:23      | JTG     |
| 56-23-5  | Carbon tetrachloride   | ND     | CAL-E | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/11/2023 16:23      | JTG     |
| 108-90-7 | Chlorobenzene          | ND     |       | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/11/2023 16:23      | JTG     |
| 75-00-3  | Chloroethane           | ND     | CCVE  | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/11/2023 16:23      | JTG     |
| 67-66-3  | Chloroform             | ND     |       | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/11/2023 16:23      | JTG     |
| 74-87-3  | Chloromethane          | ND     | CCVE  | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/11/2023 16:23      | JTG     |



## Sample Information

**Client Sample ID:** B-6 2-4

**York Sample ID:** 23A0373-02

York Project (SDG) No.

23A0373

Client Project ID

21003-0004

Matrix

Soil

Collection Date/Time

January 6, 2023 9:51 am

Date Received

01/05/2023

### Volatile Organics, 8260 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.     | Parameter                      | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-------------|--------------------------------|--------|------|-----------|------------------------|--------|----------|------------------------------|-----------------------|-----------------------|---------|
| 156-59-2    | cis-1,2-Dichloroethylene       | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 16:23      | JTG     |
| 10061-01-5  | cis-1,3-Dichloropropylene      | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 16:23      | JTG     |
| 110-82-7    | Cyclohexane                    | ND     | CCVE | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 16:23      | JTG     |
| 124-48-1    | Dibromochloromethane           | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 16:23      | JTG     |
| 74-95-3     | Dibromomethane                 | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 16:23      | JTG     |
| 75-71-8     | Dichlorodifluoromethane        | ND     | CCVE | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 16:23      | JTG     |
| 100-41-4    | Ethyl Benzene                  | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 16:23      | JTG     |
| 87-68-3     | Hexachlorobutadiene            | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 16:23      | JTG     |
| 98-82-8     | Isopropylbenzene               | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 16:23      | JTG     |
| 79-20-9     | Methyl acetate                 | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 16:23      | JTG     |
| 1634-04-4   | Methyl tert-butyl ether (MTBE) | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 16:23      | JTG     |
| 108-87-2    | Methylcyclohexane              | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 16:23      | JTG     |
| 75-09-2     | Methylene chloride             | ND     | CCVE | mg/kg dry | 0.0054                 | 0.011  | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 16:23      | JTG     |
| 104-51-8    | n-Butylbenzene                 | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 16:23      | JTG     |
| 103-65-1    | n-Propylbenzene                | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 16:23      | JTG     |
| 95-47-6     | o-Xylene                       | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 16:23      | JTG     |
| 179601-23-1 | p- & m- Xylenes                | ND     |      | mg/kg dry | 0.0054                 | 0.011  | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 16:23      | JTG     |
| 99-87-6     | p-Isopropyltoluene             | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 16:23      | JTG     |
| 135-98-8    | sec-Butylbenzene               | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 16:23      | JTG     |
| 100-42-5    | Styrene                        | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 16:23      | JTG     |
| 75-65-0     | tert-Butyl alcohol (TBA)       | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 16:23      | JTG     |
| 98-06-6     | tert-Butylbenzene              | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 16:23      | JTG     |
| 127-18-4    | Tetrachloroethylene            | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: | 01/11/2023 06:20      | 01/11/2023 16:23      | JTG     |



## Sample Information

**Client Sample ID:** B-6 2-4

**York Sample ID:** 23A0373-02

York Project (SDG) No.  
23A0373

Client Project ID  
21003-0004

Matrix  
Soil

Collection Date/Time  
January 6, 2023 9:51 am

Date Received  
01/05/2023

### Volatile Organics, 8260 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.                     | Parameter                                  | Result        | Flag                    | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                                 | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|--------------------------------------------|---------------|-------------------------|-----------|------------------------|--------|----------|----------------------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 108-88-3                    | Toluene                                    | ND            |                         | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/11/2023 06:20      | 01/11/2023 16:23      | JTG     |
| 156-60-5                    | trans-1,2-Dichloroethylene                 | ND            |                         | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/11/2023 06:20      | 01/11/2023 16:23      | JTG     |
| 10061-02-6                  | trans-1,3-Dichloropropylene                | ND            |                         | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/11/2023 06:20      | 01/11/2023 16:23      | JTG     |
| 79-01-6                     | Trichloroethylene                          | ND            |                         | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/11/2023 06:20      | 01/11/2023 16:23      | JTG     |
| 75-69-4                     | Trichlorofluoromethane                     | ND            | CCVE                    | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/11/2023 06:20      | 01/11/2023 16:23      | JTG     |
| 75-01-4                     | Vinyl Chloride                             | ND            | CCVE                    | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/11/2023 06:20      | 01/11/2023 16:23      | JTG     |
| 1330-20-7                   | Xylenes, Total                             | ND            |                         | mg/kg dry | 0.0081                 | 0.016  | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP     | 01/11/2023 06:20      | 01/11/2023 16:23      | JTG     |
| <b>Surrogate Recoveries</b> |                                            | <b>Result</b> | <b>Acceptance Range</b> |           |                        |        |          |                                                                                  |                       |                       |         |
| 17060-07-0                  | Surrogate: SURRE:<br>1,2-Dichloroethane-d4 | 105 %         | 77-125                  |           |                        |        |          |                                                                                  |                       |                       |         |
| 2037-26-5                   | Surrogate: SURRE: Toluene-d8               | 104 %         | 85-120                  |           |                        |        |          |                                                                                  |                       |                       |         |
| 460-00-4                    | Surrogate: SURRE:<br>p-Bromofluorobenzene  | 117 %         | 76-130                  |           |                        |        |          |                                                                                  |                       |                       |         |

### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.  | Parameter                             | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|---------------------------------------|--------|------|-----------|------------------------|--------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 92-52-4  | 1,1-Biphenyl                          | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 95-94-3  | 1,2,4,5-Tetrachlorobenzene            | ND     |      | mg/kg dry | 0.0848                 | 0.169  | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 120-82-1 | 1,2,4-Trichlorobenzene                | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 95-50-1  | 1,2-Dichlorobenzene                   | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP                     | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 122-66-7 | 1,2-Diphenylhydrazine (as Azobenzene) | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 541-73-1 | 1,3-Dichlorobenzene                   | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP                     | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 106-46-7 | 1,4-Dichlorobenzene                   | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP                     | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 58-90-2  | 2,3,4,6-Tetrachlorophenol             | ND     |      | mg/kg dry | 0.0848                 | 0.169  | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 95-95-4  | 2,4,5-Trichlorophenol                 | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 88-06-2  | 2,4,6-Trichlorophenol                 | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |



## Sample Information

**Client Sample ID:** B-6 2-4

**York Sample ID:** 23A0373-02

York Project (SDG) No.  
23A0373

Client Project ID  
21003-0004

Matrix  
Soil

Collection Date/Time  
January 6, 2023 9:51 am

Date Received  
01/05/2023

### Semi-Volatiles, 8270 - Comprehensive

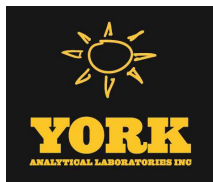
### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.    | Parameter                   | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|-----------------------------|--------|------|-----------|------------------------|--------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 120-83-2   | 2,4-Dichlorophenol          | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 105-67-9   | 2,4-Dimethylphenol          | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 51-28-5    | 2,4-Dinitrophenol           | ND     |      | mg/kg dry | 0.0848                 | 0.169  | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 121-14-2   | 2,4-Dinitrotoluene          | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 606-20-2   | 2,6-Dinitrotoluene          | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 91-58-7    | 2-Chloronaphthalene         | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 95-57-8    | 2-Chlorophenol              | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 91-57-6    | 2-Methylnaphthalene         | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 95-48-7    | 2-Methylphenol              | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 88-74-4    | 2-Nitroaniline              | ND     |      | mg/kg dry | 0.0848                 | 0.169  | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 88-75-5    | 2-Nitrophenol               | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 65794-96-9 | 3- & 4-Methylphenols        | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 91-94-1    | 3,3-Dichlorobenzidine       | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 99-09-2    | 3-Nitroaniline              | ND     |      | mg/kg dry | 0.0848                 | 0.169  | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 534-52-1   | 4,6-Dinitro-2-methylphenol  | ND     |      | mg/kg dry | 0.0848                 | 0.169  | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 101-55-3   | 4-Bromophenyl phenyl ether  | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 59-50-7    | 4-Chloro-3-methylphenol     | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 106-47-8   | 4-Chloroaniline             | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 7005-72-3  | 4-Chlorophenyl phenyl ether | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 100-01-6   | 4-Nitroaniline              | ND     |      | mg/kg dry | 0.0848                 | 0.169  | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 100-02-7   | 4-Nitrophenol               | ND     |      | mg/kg dry | 0.0848                 | 0.169  | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 83-32-9    | Acenaphthene                | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 208-96-8   | Acenaphthylene              | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |





## Sample Information

**Client Sample ID:** B-6 2-4

**York Sample ID:** 23A0373-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0373

21003-0004

Soil

January 6, 2023 9:51 am

01/05/2023

### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.   | Parameter                   | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------------------------|--------|------|-----------|------------------------|--------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 98-86-2   | Acetophenone                | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 62-53-3   | Aniline                     | ND     |      | mg/kg dry | 0.170                  | 0.340  | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 120-12-7  | Anthracene                  | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 1912-24-9 | Atrazine                    | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 100-52-7  | Benzaldehyde                | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 92-87-5   | Benzidine                   | ND     |      | mg/kg dry | 0.170                  | 0.340  | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,PADEP       | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 56-55-3   | Benzo(a)anthracene          | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 50-32-8   | Benzo(a)pyrene              | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 205-99-2  | Benzo(b)fluoranthene        | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 191-24-2  | Benzo(g,h,i)perylene        | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 207-08-9  | Benzo(k)fluoranthene        | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 65-85-0   | Benzoic acid                | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 100-51-6  | Benzyl alcohol              | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 85-68-7   | Benzyl butyl phthalate      | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 111-91-1  | Bis(2-chloroethoxy)methane  | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 111-44-4  | Bis(2-chloroethyl)ether     | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 108-60-1  | Bis(2-chloroisopropyl)ether | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 117-81-7  | Bis(2-ethylhexyl)phthalate  | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 105-60-2  | Caprolactam                 | ND     |      | mg/kg dry | 0.0848                 | 0.169  | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 86-74-8   | Carbazole                   | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 218-01-9  | Chrysene                    | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 53-70-3   | Dibenzo(a,h)anthracene      | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 132-64-9  | Dibenzofuran                | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |





## Sample Information

**Client Sample ID:** B-6 2-4

**York Sample ID:** 23A0373-02

York Project (SDG) No.  
23A0373

Client Project ID  
21003-0004

Matrix  
Soil

Collection Date/Time  
January 6, 2023 9:51 am

Date Received  
01/05/2023

### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.              | Parameter                        | Result | Flag             | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------------------|----------------------------------|--------|------------------|-----------|------------------------|--------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 84-66-2              | Diethyl phthalate                | ND     |                  | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 131-11-3             | Dimethyl phthalate               | ND     |                  | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 84-74-2              | Di-n-butyl phthalate             | ND     |                  | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 117-84-0             | Di-n-octyl phthalate             | ND     |                  | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 206-44-0             | Fluoranthene                     | ND     |                  | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 86-73-7              | Fluorene                         | ND     |                  | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 118-74-1             | Hexachlorobenzene                | ND     |                  | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 87-68-3              | Hexachlorobutadiene              | ND     |                  | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 77-47-4              | Hexachlorocyclopentadiene        | ND     |                  | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 67-72-1              | Hexachloroethane                 | ND     |                  | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 193-39-5             | Indeno(1,2,3-cd)pyrene           | ND     |                  | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 78-59-1              | Isophorone                       | ND     |                  | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 91-20-3              | Naphthalene                      | ND     |                  | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 98-95-3              | Nitrobenzene                     | ND     |                  | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 62-75-9              | N-Nitrosodimethylamine           | ND     |                  | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 621-64-7             | N-nitroso-di-n-propylamine       | ND     |                  | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 86-30-6              | N-Nitrosodiphenylamine           | ND     |                  | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 87-86-5              | Pentachlorophenol                | ND     |                  | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 85-01-8              | Phenanthrene                     | ND     |                  | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 108-95-2             | Phenol                           | ND     |                  | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| 129-00-0             | Pyrene                           | ND     |                  | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:27      | KH      |
| Surrogate Recoveries |                                  | Result | Acceptance Range |           |                        |        |          |                                                                      |                       |                       |         |
| 367-12-4             | Surrogate: SURR: 2-Fluorophenol  | 48.8 % | 20-108           |           |                        |        |          |                                                                      |                       |                       |         |
| 4165-62-2            | Surrogate: SURR: Phenol-d5       | 48.6 % | 23-114           |           |                        |        |          |                                                                      |                       |                       |         |
| 4165-60-0            | Surrogate: SURR: Nitrobenzene-d5 | 32.6 % | 22-108           |           |                        |        |          |                                                                      |                       |                       |         |



## Sample Information

**Client Sample ID:** B-6 2-4

**York Sample ID:** 23A0373-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0373

21003-0004

Soil

January 6, 2023 9:51 am

01/05/2023

### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.   | Parameter                                | Result | Flag | Units | Reported to<br>LOD/MDL | LOQ | Dilution | Reference Method | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|------------------------------------------|--------|------|-------|------------------------|-----|----------|------------------|-----------------------|-----------------------|---------|
| 321-60-8  | Surrogate: SURR: 2-Fluorobiphenyl        | 49.8 % |      |       | 21-113                 |     |          |                  |                       |                       |         |
| 118-79-6  | Surrogate: SURR:<br>2,4,6-Tribromophenol | 45.8 % |      |       | 19-110                 |     |          |                  |                       |                       |         |
| 1718-51-0 | Surrogate: SURR: Terphenyl-d14           | 55.8 % |      |       | 24-116                 |     |          |                  |                       |                       |         |

### Pesticides, 8081 target list

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.    | Parameter           | Result | Flag | Units     | Reported to<br>LOQ | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|---------------------|--------|------|-----------|--------------------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 72-54-8    | 4,4'-DDD            | ND     |      | mg/kg dry | 0.00166            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 19:16      | BJ      |
| 72-55-9    | 4,4'-DDE            | ND     |      | mg/kg dry | 0.00166            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 19:16      | BJ      |
| 50-29-3    | 4,4'-DDT            | ND     |      | mg/kg dry | 0.00166            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 19:16      | BJ      |
| 309-00-2   | Aldrin              | ND     |      | mg/kg dry | 0.00166            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 19:16      | BJ      |
| 319-84-6   | alpha-BHC           | ND     |      | mg/kg dry | 0.00166            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 19:16      | BJ      |
| 5103-71-9  | alpha-Chlordane     | ND     |      | mg/kg dry | 0.00166            | 5        | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP                     | 01/09/2023 08:49      | 01/13/2023 19:16      | BJ      |
| 319-85-7   | beta-BHC            | ND     |      | mg/kg dry | 0.00166            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 19:16      | BJ      |
| 12789-03-6 | Chlordane, total    | ND     |      | mg/kg dry | 0.0331             | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 19:16      | BJ      |
| 319-86-8   | delta-BHC           | ND     |      | mg/kg dry | 0.00166            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 19:16      | BJ      |
| 60-57-1    | Dieldrin            | ND     |      | mg/kg dry | 0.00166            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 19:16      | BJ      |
| 959-98-8   | Endosulfan I        | ND     |      | mg/kg dry | 0.00166            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 19:16      | BJ      |
| 33213-65-9 | Endosulfan II       | ND     |      | mg/kg dry | 0.00166            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854             | 01/09/2023 08:49      | 01/13/2023 19:16      | BJ      |
| 1031-07-8  | Endosulfan sulfate  | ND     |      | mg/kg dry | 0.00166            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 19:16      | BJ      |
| 72-20-8    | Endrin              | ND     |      | mg/kg dry | 0.00166            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 19:16      | BJ      |
| 7421-93-4  | Endrin aldehyde     | ND     |      | mg/kg dry | 0.00166            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 19:16      | BJ      |
| 53494-70-5 | Endrin ketone       | ND     |      | mg/kg dry | 0.00166            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 19:16      | BJ      |
| 58-89-9    | gamma-BHC (Lindane) | ND     |      | mg/kg dry | 0.00166            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 19:16      | BJ      |
| 5566-34-7  | gamma-Chlordane     | ND     |      | mg/kg dry | 0.00166            | 5        | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP                     | 01/09/2023 08:49      | 01/13/2023 19:16      | BJ      |



**York Sample ID:**            **23A0373-02**

Date Received  
01/05/2023

**Sample Notes:**

| CAS No.   | Parameter                       | Result | Flag | Units            | Reported to LOQ | Dilution | Reference Method                                                      | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------|---------------------------------|--------|------|------------------|-----------------|----------|-----------------------------------------------------------------------|--------------------|--------------------|---------|
| 76-44-8   | Heptachlor                      | ND     |      | mg/kg dry        | 0.00166         | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY 10854,NJDEP,PADEP | 01/09/2023 08:49   | 01/13/2023 19:16   | BJ      |
| 1024-57-3 | Heptachlor epoxide              | ND     |      | mg/kg dry        | 0.00166         | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY 10854,NJDEP,PADEP | 01/09/2023 08:49   | 01/13/2023 19:16   | BJ      |
| 72-43-5   | Methoxychlor                    | ND     |      | mg/kg dry        | 0.00828         | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY 10854,NJDEP,PADEP | 01/09/2023 08:49   | 01/13/2023 19:16   | BJ      |
| 8001-35-2 | Toxaphene                       | ND     |      | mg/kg dry        | 0.0838          | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY 10854,NJDEP,PADEP | 01/09/2023 08:49   | 01/13/2023 19:16   | BJ      |
|           | Surrogate Recoveries            | Result |      | Acceptance Range |                 |          |                                                                       |                    |                    |         |
| 2051-24-3 | Surrogate: Decachlorobiphenyl   | 88.4 % |      | 30-150           |                 |          |                                                                       |                    |                    |         |
| 877-09-8  | Surrogate: Tetrachloro-m-xylene | 104 %  |      | 30-150           |                 |          |                                                                       |                    |                    |         |

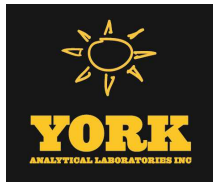
### Sample Notes:

| CAS No.              |                                 | Parameter | Result | Flag             | Units     | Reported to LOQ | Dilution | Reference Method                                                     | Date/Time Prepared | Date/Time Analyzed | Analyst |
|----------------------|---------------------------------|-----------|--------|------------------|-----------|-----------------|----------|----------------------------------------------------------------------|--------------------|--------------------|---------|
| 12674-11-2           | Aroclor 1016                    |           | ND     |                  | mg/kg dry | 0.0167          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/09/2023 08:49   | 01/12/2023 21:40   | BJ      |
| 11104-28-2           | Aroclor 1221                    |           | ND     |                  | mg/kg dry | 0.0167          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/09/2023 08:49   | 01/12/2023 21:40   | BJ      |
| 11141-16-5           | Aroclor 1232                    |           | ND     |                  | mg/kg dry | 0.0167          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/09/2023 08:49   | 01/12/2023 21:40   | BJ      |
| 53469-21-9           | Aroclor 1242                    |           | ND     |                  | mg/kg dry | 0.0167          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/09/2023 08:49   | 01/12/2023 21:40   | BJ      |
| 12672-29-6           | Aroclor 1248                    |           | ND     |                  | mg/kg dry | 0.0167          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/09/2023 08:49   | 01/12/2023 21:40   | BJ      |
| 11097-69-1           | Aroclor 1254                    |           | ND     |                  | mg/kg dry | 0.0167          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/09/2023 08:49   | 01/12/2023 21:40   | BJ      |
| 11096-82-5           | Aroclor 1260                    |           | ND     |                  | mg/kg dry | 0.0167          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/09/2023 08:49   | 01/12/2023 21:40   | BJ      |
| 37324-23-5           | Aroclor 1262                    |           | ND     |                  | mg/kg dry | 0.0167          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/09/2023 08:49   | 01/12/2023 21:40   | BJ      |
| 11100-14-4           | Aroclor 1268                    |           | ND     |                  | mg/kg dry | 0.0167          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/09/2023 08:49   | 01/12/2023 21:40   | BJ      |
| 1336-36-3            | * Total PCBs                    |           | ND     |                  | mg/kg dry | 0.0167          | 1        | EPA 8082A<br>Certifications:                                         | 01/09/2023 08:49   | 01/12/2023 21:40   | BJ      |
| Surrogate Recoveries |                                 |           | Result | Acceptance Range |           |                 |          |                                                                      |                    |                    |         |
| 877-09-8             | Surrogate: Tetrachloro-m-xylene |           | 92.0 % | 30-140           |           |                 |          |                                                                      |                    |                    |         |
| 2051-24-3            | Surrogate: Decachlorobiphenyl   |           | 88.0 % | 30-140           |           |                 |          |                                                                      |                    |                    |         |

**Sample Notes:**

| CAS No.            | Parameter | Result              | Flag | Units | Reported to<br>LOQ | Dilution           | Reference Method | Date/Time<br>Prepared   | Date/Time<br>Analyzed | Analyst |
|--------------------|-----------|---------------------|------|-------|--------------------|--------------------|------------------|-------------------------|-----------------------|---------|
| 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@         |                       |         |

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## Sample Information

**Client Sample ID:** B-6 2-4

**York Sample ID:** 23A0373-02

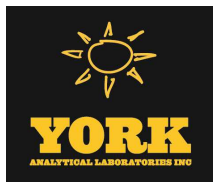
| <u>York Project (SDG) No.</u> | <u>Client Project ID</u> | <u>Matrix</u> | <u>Collection Date/Time</u> | <u>Date Received</u> |
|-------------------------------|--------------------------|---------------|-----------------------------|----------------------|
| 23A0373                       | 21003-0004               | Soil          | January 6, 2023 9:51 am     | 01/05/2023           |

|           |           |       |             |       |   |                 |                                         |                  |    |
|-----------|-----------|-------|-------------|-------|---|-----------------|-----------------------------------------|------------------|----|
| 7429-90-5 | Aluminum  | 3920  | mg/kg dry   | 4.26  | 1 | EPA 6010D       | 01/12/2023 14:08                        | 01/13/2023 16:50 | CW |
|           |           |       |             |       |   | Certifications: | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                  |    |
| 7440-36-0 | Antimony  | ND    | mg/kg dry   | 2.13  | 1 | EPA 6010D       | 01/12/2023 14:08                        | 01/13/2023 16:50 | CW |
|           |           |       |             |       |   | Certifications: | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                  |    |
| 7440-38-2 | Arsenic   | ND    | mg/kg dry   | 1.28  | 1 | EPA 6010D       | 01/12/2023 14:08                        | 01/13/2023 16:50 | CW |
|           |           |       |             |       |   | Certifications: | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                  |    |
| 7440-39-3 | Barium    | 9.76  | mg/kg dry   | 2.13  | 1 | EPA 6010D       | 01/12/2023 14:08                        | 01/13/2023 16:50 | CW |
|           |           |       |             |       |   | Certifications: | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                  |    |
| 7440-41-7 | Beryllium | 0.201 | mg/kg dry   | 0.043 | 1 | EPA 6010D       | 01/12/2023 14:08                        | 01/13/2023 16:50 | CW |
|           |           |       |             |       |   | Certifications: | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                  |    |
| 7440-43-9 | Cadmium   | ND    | mg/kg dry   | 0.256 | 1 | EPA 6010D       | 01/12/2023 14:08                        | 01/13/2023 16:50 | CW |
|           |           |       |             |       |   | Certifications: | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                  |    |
| 7440-70-2 | Calcium   | 2030  | mg/kg dry   | 4.27  | 1 | EPA 6010D       | 01/12/2023 14:08                        | 01/13/2023 16:50 | CW |
|           |           |       |             |       |   | Certifications: | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                  |    |
| 7440-47-3 | Chromium  | 5.28  | mg/kg dry   | 0.427 | 1 | EPA 6010D       | 01/12/2023 14:08                        | 01/13/2023 16:50 | CW |
|           |           |       |             |       |   | Certifications: | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                  |    |
| 7440-48-4 | Cobalt    | 2.07  | mg/kg dry   | 0.341 | 1 | EPA 6010D       | 01/12/2023 14:08                        | 01/13/2023 16:50 | CW |
|           |           |       |             |       |   | Certifications: | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                  |    |
| 7440-50-8 | Copper    | 3.50  | mg/kg dry   | 1.71  | 1 | EPA 6010D       | 01/12/2023 14:08                        | 01/13/2023 16:50 | CW |
|           |           |       |             |       |   | Certifications: | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                  |    |
| 7439-89-6 | Iron      | 4600  | mg/kg dry   | 21.3  | 1 | EPA 6010D       | 01/12/2023 14:08                        | 01/13/2023 16:50 | CW |
|           |           |       |             |       |   | Certifications: | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                  |    |
| 7439-92-1 | Lead      | 5.00  | mg/kg dry   | 0.427 | 1 | EPA 6010D       | 01/12/2023 14:08                        | 01/13/2023 16:50 | CW |
|           |           |       |             |       |   | Certifications: | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                  |    |
| 7439-95-4 | Magnesium | 480   | mg/kg dry   | 4.27  | 1 | EPA 6010D       | 01/12/2023 14:08                        | 01/13/2023 16:50 | CW |
|           |           |       |             |       |   | Certifications: | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                  |    |
| 7439-96-5 | Manganese | 68.6  | mg/kg dry   | 0.427 | 1 | EPA 6010D       | 01/12/2023 14:08                        | 01/13/2023 16:50 | CW |
|           |           |       |             |       |   | Certifications: | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                  |    |
| 7440-02-0 | Nickel    | 4.11  | mg/kg dry   | 0.850 | 1 | EPA 6010D       | 01/12/2023 14:08                        | 01/13/2023 16:50 | CW |
|           |           |       |             |       |   | Certifications: | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                  |    |
| 7440-09-7 | Potassium | 244   | B mg/kg dry | 4.27  | 1 | EPA 6010D       | 01/12/2023 14:08                        | 01/13/2023 16:50 | CW |
|           |           |       |             |       |   | Certifications: | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                  |    |
| 7782-49-2 | Selenium  | ND    | mg/kg dry   | 2.13  | 1 | EPA 6010D       | 01/12/2023 14:08                        | 01/13/2023 16:50 | CW |
|           |           |       |             |       |   | Certifications: | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                  |    |
| 7440-22-4 | Silver    | ND    | mg/kg dry   | 0.430 | 1 | EPA 6010D       | 01/12/2023 14:08                        | 01/13/2023 16:50 | CW |
|           |           |       |             |       |   | Certifications: | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                  |    |
| 7440-23-5 | Sodium    | ND    | mg/kg dry   | 42.7  | 1 | EPA 6010D       | 01/12/2023 14:08                        | 01/13/2023 16:50 | CW |
|           |           |       |             |       |   | Certifications: | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                  |    |
| 7440-28-0 | Thallium  | ND    | mg/kg dry   | 2.13  | 1 | EPA 6010D       | 01/12/2023 14:08                        | 01/13/2023 16:50 | CW |
|           |           |       |             |       |   | Certifications: | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                  |    |
| 7440-62-2 | Vanadium  | 6.16  | mg/kg dry   | 0.850 | 1 | EPA 6010D       | 01/12/2023 14:08                        | 01/13/2023 16:50 | CW |
|           |           |       |             |       |   | Certifications: | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                  |    |
| 7440-66-6 | Zinc      | 12.0  | mg/kg dry   | 2.12  | 1 | EPA 6010D       | 01/12/2023 14:08                        | 01/13/2023 16:50 | CW |
|           |           |       |             |       |   | Certifications: | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                  |    |

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**



## Sample Information

**Client Sample ID:** B-6 2-4

**York Sample ID:** 23A0373-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0373

21003-0004

Soil

January 6, 2023 9:51 am

01/05/2023

Sample Prepared by Method: EPA 7473 soil

| CAS No.   | Parameter | Result | Flag | Units     | Reported to<br>LOQ | Dilution | Reference Method                                                    | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|--------------------|----------|---------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7439-97-6 | Mercury   | ND     |      | mg/kg dry | 0.0307             | 1        | EPA 7473<br>Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP | 01/10/2023 09:21      | 01/10/2023 15:33      | MR      |

### Total Solids

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: % Solids Prep

| CAS No. | Parameter  | Result | Flag | Units | Reported to<br>LOQ | Dilution | Reference Method                          | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|------------|--------|------|-------|--------------------|----------|-------------------------------------------|-----------------------|-----------------------|---------|
| solids  | * % Solids | 97.7   |      | %     | 0.100              | 1        | SM 2540G<br>Certifications: CTDOH-PH-0723 | 01/10/2023 13:47      | 01/10/2023 16:12      | S_S     |

## Sample Information

**Client Sample ID:** B-4 0-2

**York Sample ID:** 23A0373-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0373

21003-0004

Soil

January 6, 2023 11:53 am

01/05/2023

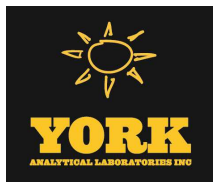
### Volatile Organics, 8260 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.  | Parameter                                            | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                                 | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|------------------------------------------------------|--------|------|-----------|------------------------|--------|----------|----------------------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 630-20-6 | 1,1,1,2-Tetrachloroethane                            | ND     |      | mg/kg dry | 0.0026                 | 0.0052 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| 71-55-6  | 1,1,1-Trichloroethane                                | ND     |      | mg/kg dry | 0.0026                 | 0.0052 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| 79-34-5  | 1,1,2,2-Tetrachloroethane                            | ND     | CCVE | mg/kg dry | 0.0026                 | 0.0052 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| 76-13-1  | 1,1,2-Trichloro-1,2,2-trifluoroethane<br>(Freon 113) | ND     |      | mg/kg dry | 0.0026                 | 0.0052 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP     | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| 79-00-5  | 1,1,2-Trichloroethane                                | ND     |      | mg/kg dry | 0.0026                 | 0.0052 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| 75-34-3  | 1,1-Dichloroethane                                   | ND     |      | mg/kg dry | 0.0026                 | 0.0052 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| 75-35-4  | 1,1-Dichloroethylene                                 | ND     |      | mg/kg dry | 0.0026                 | 0.0052 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| 87-61-6  | 1,2,3-Trichlorobenzene                               | ND     |      | mg/kg dry | 0.0026                 | 0.0052 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| 96-18-4  | 1,2,3-Trichloropropane                               | ND     |      | mg/kg dry | 0.0026                 | 0.0052 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP                   | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| 120-82-1 | 1,2,4-Trichlorobenzene                               | ND     |      | mg/kg dry | 0.0026                 | 0.0052 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| 95-63-6  | 1,2,4-Trimethylbenzene                               | ND     |      | mg/kg dry | 0.0026                 | 0.0052 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |



## Sample Information

**Client Sample ID:** B-4 0-2

**York Sample ID:** 23A0373-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0373

21003-0004

Soil

January 6, 2023 11:53 am

01/05/2023

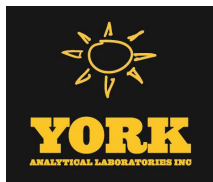
### Volatile Organics, 8260 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.  | Parameter                   | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|-----------------------------|--------|------|-----------|------------------------|--------|----------|------------------------------|-----------------------|-----------------------|---------|
| 96-12-8  | 1,2-Dibromo-3-chloropropane | ND     |      | mg/kg dry | 0.0026                 | 0.0052 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| 106-93-4 | 1,2-Dibromoethane           | ND     |      | mg/kg dry | 0.0026                 | 0.0052 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| 95-50-1  | 1,2-Dichlorobenzene         | ND     |      | mg/kg dry | 0.0026                 | 0.0052 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| 107-06-2 | 1,2-Dichloroethane          | ND     |      | mg/kg dry | 0.0026                 | 0.0052 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| 78-87-5  | 1,2-Dichloropropane         | ND     |      | mg/kg dry | 0.0026                 | 0.0052 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| 108-67-8 | 1,3,5-Trimethylbenzene      | ND     |      | mg/kg dry | 0.0026                 | 0.0052 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| 541-73-1 | 1,3-Dichlorobenzene         | ND     |      | mg/kg dry | 0.0026                 | 0.0052 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| 106-46-7 | 1,4-Dichlorobenzene         | ND     |      | mg/kg dry | 0.0026                 | 0.0052 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| 123-91-1 | 1,4-Dioxane                 | ND     |      | mg/kg dry | 0.052                  | 0.10   | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| 78-93-3  | 2-Butanone                  | ND     | CCVE | mg/kg dry | 0.0026                 | 0.0052 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| 591-78-6 | 2-Hexanone                  | ND     |      | mg/kg dry | 0.0026                 | 0.0052 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| 108-10-1 | 4-Methyl-2-pentanone        | ND     |      | mg/kg dry | 0.0026                 | 0.0052 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| 67-64-1  | Acetone                     | 0.0091 | J    | mg/kg dry | 0.0052                 | 0.010  | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| 107-02-8 | Acrolein                    | ND     |      | mg/kg dry | 0.0052                 | 0.010  | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| 107-13-1 | Acrylonitrile               | ND     |      | mg/kg dry | 0.0026                 | 0.0052 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| 71-43-2  | Benzene                     | ND     |      | mg/kg dry | 0.0026                 | 0.0052 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| 74-97-5  | Bromochloromethane          | ND     |      | mg/kg dry | 0.0026                 | 0.0052 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| 75-27-4  | Bromodichloromethane        | ND     |      | mg/kg dry | 0.0026                 | 0.0052 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| 75-25-2  | Bromoform                   | ND     |      | mg/kg dry | 0.0026                 | 0.0052 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| 74-83-9  | Bromomethane                | ND     |      | mg/kg dry | 0.0026                 | 0.0052 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| 75-15-0  | Carbon disulfide            | ND     |      | mg/kg dry | 0.0026                 | 0.0052 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| 56-23-5  | Carbon tetrachloride        | ND     |      | mg/kg dry | 0.0026                 | 0.0052 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| 108-90-7 | Chlorobenzene               | ND     |      | mg/kg dry | 0.0026                 | 0.0052 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |



## Sample Information

**Client Sample ID:** B-4 0-2

**York Sample ID:** 23A0373-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0373

21003-0004

Soil

January 6, 2023 11:53 am

01/05/2023

### Volatile Organics, 8260 - Comprehensive

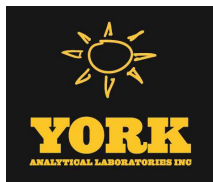
### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.     | Parameter                      | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-------------|--------------------------------|--------|------|-----------|------------------------|--------|----------|------------------------------|-----------------------|-----------------------|---------|
| 75-00-3     | Chloroethane                   | ND     |      | mg/kg dry | 0.0026                 | 0.0052 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| 67-66-3     | Chloroform                     | ND     |      | mg/kg dry | 0.0026                 | 0.0052 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| 74-87-3     | Chloromethane                  | ND     | CCVE | mg/kg dry | 0.0026                 | 0.0052 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| 156-59-2    | cis-1,2-Dichloroethylene       | ND     |      | mg/kg dry | 0.0026                 | 0.0052 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| 10061-01-5  | cis-1,3-Dichloropropylene      | ND     |      | mg/kg dry | 0.0026                 | 0.0052 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| 110-82-7    | Cyclohexane                    | ND     |      | mg/kg dry | 0.0026                 | 0.0052 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| 124-48-1    | Dibromochloromethane           | ND     |      | mg/kg dry | 0.0026                 | 0.0052 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| 74-95-3     | Dibromomethane                 | ND     |      | mg/kg dry | 0.0026                 | 0.0052 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| 75-71-8     | Dichlorodifluoromethane        | ND     | CCVE | mg/kg dry | 0.0026                 | 0.0052 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| 100-41-4    | Ethyl Benzene                  | ND     |      | mg/kg dry | 0.0026                 | 0.0052 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| 87-68-3     | Hexachlorobutadiene            | ND     |      | mg/kg dry | 0.0026                 | 0.0052 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| 98-82-8     | Isopropylbenzene               | ND     |      | mg/kg dry | 0.0026                 | 0.0052 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| 79-20-9     | Methyl acetate                 | ND     |      | mg/kg dry | 0.0026                 | 0.0052 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| 1634-04-4   | Methyl tert-butyl ether (MTBE) | ND     |      | mg/kg dry | 0.0026                 | 0.0052 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| 108-87-2    | Methylcyclohexane              | ND     |      | mg/kg dry | 0.0026                 | 0.0052 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| 75-09-2     | Methylene chloride             | ND     |      | mg/kg dry | 0.0052                 | 0.010  | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| 104-51-8    | n-Butylbenzene                 | ND     |      | mg/kg dry | 0.0026                 | 0.0052 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| 103-65-1    | n-Propylbenzene                | ND     |      | mg/kg dry | 0.0026                 | 0.0052 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| 95-47-6     | o-Xylene                       | ND     |      | mg/kg dry | 0.0026                 | 0.0052 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| 179601-23-1 | p- & m- Xylenes                | ND     |      | mg/kg dry | 0.0052                 | 0.010  | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| 99-87-6     | p-Isopropyltoluene             | ND     |      | mg/kg dry | 0.0026                 | 0.0052 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| 135-98-8    | sec-Butylbenzene               | ND     |      | mg/kg dry | 0.0026                 | 0.0052 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| 100-42-5    | Styrene                        | ND     |      | mg/kg dry | 0.0026                 | 0.0052 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |





## Sample Information

**Client Sample ID:** B-4 0-2

**York Sample ID:** 23A0373-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0373

21003-0004

Soil

January 6, 2023 11:53 am

01/05/2023

### Volatile Organics, 8260 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.                     | Parameter                                 | Result        | Flag | Units                   | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                                 | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|-------------------------------------------|---------------|------|-------------------------|------------------------|--------|----------|----------------------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 75-65-0                     | tert-Butyl alcohol (TBA)                  | ND            |      | mg/kg dry               | 0.0026                 | 0.0052 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| 98-06-6                     | tert-Butylbenzene                         | ND            |      | mg/kg dry               | 0.0026                 | 0.0052 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| 127-18-4                    | Tetrachloroethylene                       | ND            |      | mg/kg dry               | 0.0026                 | 0.0052 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| 108-88-3                    | Toluene                                   | ND            |      | mg/kg dry               | 0.0026                 | 0.0052 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| 156-60-5                    | trans-1,2-Dichloroethylene                | ND            |      | mg/kg dry               | 0.0026                 | 0.0052 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| 10061-02-6                  | trans-1,3-Dichloropropylene               | ND            |      | mg/kg dry               | 0.0026                 | 0.0052 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| 79-01-6                     | Trichloroethylene                         | ND            |      | mg/kg dry               | 0.0026                 | 0.0052 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| 75-69-4                     | Trichlorofluoromethane                    | ND            |      | mg/kg dry               | 0.0026                 | 0.0052 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| 75-01-4                     | Vinyl Chloride                            | ND            |      | mg/kg dry               | 0.0026                 | 0.0052 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| 1330-20-7                   | Xylenes, Total                            | ND            |      | mg/kg dry               | 0.0078                 | 0.016  | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP     | 01/10/2023 06:29      | 01/10/2023 17:44      | JTG     |
| <b>Surrogate Recoveries</b> |                                           | <b>Result</b> |      | <b>Acceptance Range</b> |                        |        |          |                                                                                  |                       |                       |         |
| 17060-07-0                  | Surrogate: SURR:<br>1,2-Dichloroethane-d4 | 118 %         |      |                         |                        | 77-125 |          |                                                                                  |                       |                       |         |
| 2037-26-5                   | Surrogate: SURR: Toluene-d8               | 96.5 %        |      |                         |                        | 85-120 |          |                                                                                  |                       |                       |         |
| 460-00-4                    | Surrogate: SURR:<br>p-Bromofluorobenzene  | 93.3 %        |      |                         |                        | 76-130 |          |                                                                                  |                       |                       |         |

### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.  | Parameter                             | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|---------------------------------------|--------|------|-----------|------------------------|--------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 92-52-4  | 1,1-Biphenyl                          | ND     |      | mg/kg dry | 0.0471                 | 0.0939 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 95-94-3  | 1,2,4,5-Tetrachlorobenzene            | ND     |      | mg/kg dry | 0.0939                 | 0.188  | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 120-82-1 | 1,2,4-Trichlorobenzene                | ND     |      | mg/kg dry | 0.0471                 | 0.0939 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 95-50-1  | 1,2-Dichlorobenzene                   | ND     |      | mg/kg dry | 0.0471                 | 0.0939 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP                     | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 122-66-7 | 1,2-Diphenylhydrazine (as Azobenzene) | ND     |      | mg/kg dry | 0.0471                 | 0.0939 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 541-73-1 | 1,3-Dichlorobenzene                   | ND     |      | mg/kg dry | 0.0471                 | 0.0939 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP                     | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 106-46-7 | 1,4-Dichlorobenzene                   | ND     |      | mg/kg dry | 0.0471                 | 0.0939 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP                     | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |





## Sample Information

**Client Sample ID:** B-4 0-2

**York Sample ID:** 23A0373-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0373

21003-0004

Soil

January 6, 2023 11:53 am

01/05/2023

### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.    | Parameter                   | Result        | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|-----------------------------|---------------|------|-----------|------------------------|--------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 58-90-2    | 2,3,4,6-Tetrachlorophenol   | ND            |      | mg/kg dry | 0.0939                 | 0.188  | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 95-95-4    | 2,4,5-Trichlorophenol       | ND            |      | mg/kg dry | 0.0471                 | 0.0939 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 88-06-2    | 2,4,6-Trichlorophenol       | ND            |      | mg/kg dry | 0.0471                 | 0.0939 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 120-83-2   | 2,4-Dichlorophenol          | ND            |      | mg/kg dry | 0.0471                 | 0.0939 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 105-67-9   | 2,4-Dimethylphenol          | ND            |      | mg/kg dry | 0.0471                 | 0.0939 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 51-28-5    | 2,4-Dinitrophenol           | ND            |      | mg/kg dry | 0.0939                 | 0.188  | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 121-14-2   | 2,4-Dinitrotoluene          | ND            |      | mg/kg dry | 0.0471                 | 0.0939 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 606-20-2   | 2,6-Dinitrotoluene          | ND            |      | mg/kg dry | 0.0471                 | 0.0939 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 91-58-7    | 2-Chloronaphthalene         | ND            |      | mg/kg dry | 0.0471                 | 0.0939 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 95-57-8    | 2-Chlorophenol              | ND            |      | mg/kg dry | 0.0471                 | 0.0939 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 91-57-6    | <b>2-Methylnaphthalene</b>  | <b>0.0555</b> | J    | mg/kg dry | 0.0471                 | 0.0939 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 95-48-7    | 2-Methylphenol              | ND            |      | mg/kg dry | 0.0471                 | 0.0939 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 88-74-4    | 2-Nitroaniline              | ND            |      | mg/kg dry | 0.0939                 | 0.188  | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 88-75-5    | 2-Nitrophenol               | ND            |      | mg/kg dry | 0.0471                 | 0.0939 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 65794-96-9 | 3- & 4-Methylphenols        | ND            |      | mg/kg dry | 0.0471                 | 0.0939 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 91-94-1    | 3,3-Dichlorobenzidine       | ND            |      | mg/kg dry | 0.0471                 | 0.0939 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 99-09-2    | 3-Nitroaniline              | ND            |      | mg/kg dry | 0.0939                 | 0.188  | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 534-52-1   | 4,6-Dinitro-2-methylphenol  | ND            |      | mg/kg dry | 0.0939                 | 0.188  | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 101-55-3   | 4-Bromophenyl phenyl ether  | ND            |      | mg/kg dry | 0.0471                 | 0.0939 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 59-50-7    | 4-Chloro-3-methylphenol     | ND            |      | mg/kg dry | 0.0471                 | 0.0939 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 106-47-8   | 4-Chloroaniline             | ND            |      | mg/kg dry | 0.0471                 | 0.0939 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 7005-72-3  | 4-Chlorophenyl phenyl ether | ND            |      | mg/kg dry | 0.0471                 | 0.0939 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 100-01-6   | 4-Nitroaniline              | ND            |      | mg/kg dry | 0.0939                 | 0.188  | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |



## Sample Information

**Client Sample ID:** B-4 0-2

**York Sample ID:** 23A0373-03

York Project (SDG) No.  
23A0373

Client Project ID  
21003-0004

Matrix  
Soil

Collection Date/Time  
January 6, 2023 11:53 am

Date Received  
01/05/2023

### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.   | Parameter                   | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------------------------|--------|------|-----------|------------------------|--------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 100-02-7  | 4-Nitrophenol               | ND     |      | mg/kg dry | 0.0939                 | 0.188  | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 83-32-9   | Acenaphthene                | 0.233  |      | mg/kg dry | 0.0471                 | 0.0939 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 208-96-8  | Acenaphthylene              | 0.185  |      | mg/kg dry | 0.0471                 | 0.0939 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 98-86-2   | Acetophenone                | ND     |      | mg/kg dry | 0.0471                 | 0.0939 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 62-53-3   | Aniline                     | ND     |      | mg/kg dry | 0.188                  | 0.376  | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 120-12-7  | Anthracene                  | 1.10   |      | mg/kg dry | 0.0471                 | 0.0939 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 1912-24-9 | Atrazine                    | ND     |      | mg/kg dry | 0.0471                 | 0.0939 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 100-52-7  | Benzaldehyde                | ND     |      | mg/kg dry | 0.0471                 | 0.0939 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 92-87-5   | Benzidine                   | ND     |      | mg/kg dry | 0.188                  | 0.376  | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,PADEP       | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 56-55-3   | Benzo(a)anthracene          | 2.58   |      | mg/kg dry | 0.0471                 | 0.0939 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 50-32-8   | Benzo(a)pyrene              | 2.27   |      | mg/kg dry | 0.0471                 | 0.0939 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 205-99-2  | Benzo(b)fluoranthene        | 2.46   |      | mg/kg dry | 0.0471                 | 0.0939 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 191-24-2  | Benzo(g,h,i)perylene        | 1.71   |      | mg/kg dry | 0.0471                 | 0.0939 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 207-08-9  | Benzo(k)fluoranthene        | 1.76   |      | mg/kg dry | 0.0471                 | 0.0939 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 65-85-0   | Benzoic acid                | ND     |      | mg/kg dry | 0.0471                 | 0.0939 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 100-51-6  | Benzyl alcohol              | ND     |      | mg/kg dry | 0.0471                 | 0.0939 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 85-68-7   | Benzyl butyl phthalate      | ND     |      | mg/kg dry | 0.0471                 | 0.0939 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 111-91-1  | Bis(2-chloroethoxy)methane  | ND     |      | mg/kg dry | 0.0471                 | 0.0939 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 111-44-4  | Bis(2-chloroethyl)ether     | ND     |      | mg/kg dry | 0.0471                 | 0.0939 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 108-60-1  | Bis(2-chloroisopropyl)ether | ND     |      | mg/kg dry | 0.0471                 | 0.0939 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 117-81-7  | Bis(2-ethylhexyl)phthalate  | ND     |      | mg/kg dry | 0.0471                 | 0.0939 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 105-60-2  | Caprolactam                 | ND     |      | mg/kg dry | 0.0939                 | 0.188  | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 86-74-8   | Carbazole                   | 0.676  |      | mg/kg dry | 0.0471                 | 0.0939 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |



## Sample Information

**Client Sample ID:** B-4 0-2

**York Sample ID:** 23A0373-03

York Project (SDG) No.  
23A0373

Client Project ID  
21003-0004

Matrix  
Soil

Collection Date/Time  
January 6, 2023 11:53 am

Date Received  
01/05/2023

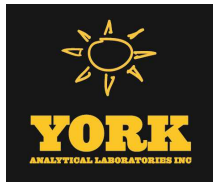
### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.  | Parameter                  | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|----------------------------|--------|------|-----------|------------------------|--------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 218-01-9 | Chrysene                   | 2.51   |      | mg/kg dry | 0.0471                 | 0.0939 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 53-70-3  | Dibenzo(a,h)anthracene     | 0.529  |      | mg/kg dry | 0.0471                 | 0.0939 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 132-64-9 | Dibenzofuran               | 0.293  |      | mg/kg dry | 0.0471                 | 0.0939 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 84-66-2  | Diethyl phthalate          | ND     |      | mg/kg dry | 0.0471                 | 0.0939 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 131-11-3 | Dimethyl phthalate         | ND     |      | mg/kg dry | 0.0471                 | 0.0939 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 84-74-2  | Di-n-butyl phthalate       | ND     |      | mg/kg dry | 0.0471                 | 0.0939 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 117-84-0 | Di-n-octyl phthalate       | ND     |      | mg/kg dry | 0.0471                 | 0.0939 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 206-44-0 | Fluoranthene               | 6.74   |      | mg/kg dry | 0.235                  | 0.470  | 10       | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/13/2023 10:23      | KH      |
| 86-73-7  | Fluorene                   | 0.378  |      | mg/kg dry | 0.0471                 | 0.0939 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 118-74-1 | Hexachlorobenzene          | ND     |      | mg/kg dry | 0.0471                 | 0.0939 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 87-68-3  | Hexachlorobutadiene        | ND     |      | mg/kg dry | 0.0471                 | 0.0939 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 77-47-4  | Hexachlorocyclopentadiene  | ND     |      | mg/kg dry | 0.0471                 | 0.0939 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 67-72-1  | Hexachloroethane           | ND     |      | mg/kg dry | 0.0471                 | 0.0939 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 193-39-5 | Indeno(1,2,3-cd)pyrene     | 1.70   |      | mg/kg dry | 0.0471                 | 0.0939 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 78-59-1  | Isophorone                 | ND     |      | mg/kg dry | 0.0471                 | 0.0939 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 91-20-3  | Naphthalene                | 0.230  |      | mg/kg dry | 0.0471                 | 0.0939 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 98-95-3  | Nitrobenzene               | ND     |      | mg/kg dry | 0.0471                 | 0.0939 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 62-75-9  | N-Nitrosodimethylamine     | ND     |      | mg/kg dry | 0.0471                 | 0.0939 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 621-64-7 | N-nitroso-di-n-propylamine | ND     |      | mg/kg dry | 0.0471                 | 0.0939 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 86-30-6  | N-Nitrosodiphenylamine     | ND     |      | mg/kg dry | 0.0471                 | 0.0939 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 87-86-5  | Pentachlorophenol          | ND     |      | mg/kg dry | 0.0471                 | 0.0939 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |
| 85-01-8  | Phenanthrene               | 5.34   |      | mg/kg dry | 0.235                  | 0.470  | 10       | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/13/2023 10:23      | KH      |
| 108-95-2 | Phenol                     | ND     |      | mg/kg dry | 0.0471                 | 0.0939 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 18:57      | KH      |



## Sample Information

**Client Sample ID:** B-4 0-2

**York Sample ID:** 23A0373-03

York Project (SDG) No.

23A0373

Client Project ID

21003-0004

Matrix

Soil

Collection Date/Time

January 6, 2023 11:53 am

Date Received

01/05/2023

### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.   | Parameter                                | Result        | Flag | Units     | Reported to<br>LOD/MDL  | LOQ   | Dilution | Reference Method | Date/Time<br>Prepared                   | Date/Time<br>Analyzed | Analyst |
|-----------|------------------------------------------|---------------|------|-----------|-------------------------|-------|----------|------------------|-----------------------------------------|-----------------------|---------|
| 129-00-0  | Pyrene                                   | 4.71          |      | mg/kg dry | 0.235                   | 0.470 | 10       | EPA 8270D        | 01/11/2023 08:27                        | 01/13/2023 10:23      | KH      |
|           |                                          |               |      |           |                         |       |          | Certifications:  | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                       |         |
|           | <b>Surrogate Recoveries</b>              | <b>Result</b> |      |           | <b>Acceptance Range</b> |       |          |                  |                                         |                       |         |
| 367-12-4  | Surrogate: SURR: 2-Fluorophenol          | 55.3 %        |      |           | 20-108                  |       |          |                  |                                         |                       |         |
| 4165-62-2 | Surrogate: SURR: Phenol-d5               | 55.1 %        |      |           | 23-114                  |       |          |                  |                                         |                       |         |
| 4165-60-0 | Surrogate: SURR: Nitrobenzene-d5         | 41.0 %        |      |           | 22-108                  |       |          |                  |                                         |                       |         |
| 321-60-8  | Surrogate: SURR: 2-Fluorobiphenyl        | 57.4 %        |      |           | 21-113                  |       |          |                  |                                         |                       |         |
| 118-79-6  | Surrogate: SURR:<br>2,4,6-Tribromophenol | 63.2 %        |      |           | 19-110                  |       |          |                  |                                         |                       |         |
| 1718-51-0 | Surrogate: SURR: Terphenyl-d14           | 70.5 %        |      |           | 24-116                  |       |          |                  |                                         |                       |         |

### Pesticides, 8081 target list

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.    | Parameter          | Result | Flag | Units     | Reported to<br>LOQ | Dilution | Reference Method | Date/Time<br>Prepared                   | Date/Time<br>Analyzed | Analyst |
|------------|--------------------|--------|------|-----------|--------------------|----------|------------------|-----------------------------------------|-----------------------|---------|
| 72-54-8    | 4,4'-DDD           | ND     |      | mg/kg dry | 0.00183            | 5        | EPA 8081B        | 01/09/2023 08:49                        | 01/13/2023 19:34      | BJ      |
|            |                    |        |      |           |                    |          | Certifications:  | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                       |         |
| 72-55-9    | 4,4'-DDE           | ND     |      | mg/kg dry | 0.00183            | 5        | EPA 8081B        | 01/09/2023 08:49                        | 01/13/2023 19:34      | BJ      |
|            |                    |        |      |           |                    |          | Certifications:  | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                       |         |
| 50-29-3    | 4,4'-DDT           | ND     |      | mg/kg dry | 0.00183            | 5        | EPA 8081B        | 01/09/2023 08:49                        | 01/13/2023 19:34      | BJ      |
|            |                    |        |      |           |                    |          | Certifications:  | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                       |         |
| 309-00-2   | Aldrin             | ND     |      | mg/kg dry | 0.00183            | 5        | EPA 8081B        | 01/09/2023 08:49                        | 01/13/2023 19:34      | BJ      |
|            |                    |        |      |           |                    |          | Certifications:  | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                       |         |
| 319-84-6   | alpha-BHC          | ND     |      | mg/kg dry | 0.00183            | 5        | EPA 8081B        | 01/09/2023 08:49                        | 01/13/2023 19:34      | BJ      |
|            |                    |        |      |           |                    |          | Certifications:  | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                       |         |
| 5103-71-9  | alpha-Chlordane    | ND     |      | mg/kg dry | 0.00183            | 5        | EPA 8081B        | 01/09/2023 08:49                        | 01/13/2023 19:34      | BJ      |
|            |                    |        |      |           |                    |          | Certifications:  | NELAC-NY10854,NJDEP                     |                       |         |
| 319-85-7   | beta-BHC           | ND     |      | mg/kg dry | 0.00183            | 5        | EPA 8081B        | 01/09/2023 08:49                        | 01/13/2023 19:34      | BJ      |
|            |                    |        |      |           |                    |          | Certifications:  | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                       |         |
| 12789-03-6 | Chlordane, total   | ND     |      | mg/kg dry | 0.0367             | 5        | EPA 8081B        | 01/09/2023 08:49                        | 01/13/2023 19:34      | BJ      |
|            |                    |        |      |           |                    |          | Certifications:  | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                       |         |
| 319-86-8   | delta-BHC          | ND     |      | mg/kg dry | 0.00183            | 5        | EPA 8081B        | 01/09/2023 08:49                        | 01/13/2023 19:34      | BJ      |
|            |                    |        |      |           |                    |          | Certifications:  | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                       |         |
| 60-57-1    | Dieldrin           | ND     |      | mg/kg dry | 0.00183            | 5        | EPA 8081B        | 01/09/2023 08:49                        | 01/13/2023 19:34      | BJ      |
|            |                    |        |      |           |                    |          | Certifications:  | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                       |         |
| 959-98-8   | Endosulfan I       | ND     |      | mg/kg dry | 0.00183            | 5        | EPA 8081B        | 01/09/2023 08:49                        | 01/13/2023 19:34      | BJ      |
|            |                    |        |      |           |                    |          | Certifications:  | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                       |         |
| 33213-65-9 | Endosulfan II      | ND     |      | mg/kg dry | 0.00183            | 5        | EPA 8081B        | 01/09/2023 08:49                        | 01/13/2023 19:34      | BJ      |
|            |                    |        |      |           |                    |          | Certifications:  | CTDOH-PH-0723,NELAC-NY10854             |                       |         |
| 1031-07-8  | Endosulfan sulfate | ND     |      | mg/kg dry | 0.00183            | 5        | EPA 8081B        | 01/09/2023 08:49                        | 01/13/2023 19:34      | BJ      |
|            |                    |        |      |           |                    |          | Certifications:  | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                       |         |
| 72-20-8    | Endrin             | ND     |      | mg/kg dry | 0.00183            | 5        | EPA 8081B        | 01/09/2023 08:49                        | 01/13/2023 19:34      | BJ      |
|            |                    |        |      |           |                    |          | Certifications:  | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                       |         |
| 7421-93-4  | Endrin aldehyde    | ND     |      | mg/kg dry | 0.00183            | 5        | EPA 8081B        | 01/09/2023 08:49                        | 01/13/2023 19:34      | BJ      |
|            |                    |        |      |           |                    |          | Certifications:  | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                       |         |



## Sample Information

**Client Sample ID:** B-4 0-2

**York Sample ID:** 23A0373-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0373

21003-0004

Soil

January 6, 2023 11:53 am

01/05/2023

### Pesticides, 8081 target list

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                       | Result        | Flag | Units                   | Reported to LOQ | Dilution | Reference Method                                                     | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|------|-------------------------|-----------------|----------|----------------------------------------------------------------------|--------------------|--------------------|---------|
| 53494-70-5                  | Endrin ketone                   | ND            |      | mg/kg dry               | 0.00183         | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49   | 01/13/2023 19:34   | BJ      |
| 58-89-9                     | gamma-BHC (Lindane)             | ND            |      | mg/kg dry               | 0.00183         | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49   | 01/13/2023 19:34   | BJ      |
| 5566-34-7                   | gamma-Chlordane                 | ND            |      | mg/kg dry               | 0.00183         | 5        | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP                     | 01/09/2023 08:49   | 01/13/2023 19:34   | BJ      |
| 76-44-8                     | Heptachlor                      | ND            |      | mg/kg dry               | 0.00183         | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49   | 01/13/2023 19:34   | BJ      |
| 1024-57-3                   | Heptachlor epoxide              | ND            |      | mg/kg dry               | 0.00183         | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49   | 01/13/2023 19:34   | BJ      |
| 72-43-5                     | Methoxychlor                    | ND            |      | mg/kg dry               | 0.00917         | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49   | 01/13/2023 19:34   | BJ      |
| 8001-35-2                   | Toxaphene                       | ND            |      | mg/kg dry               | 0.0928          | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49   | 01/13/2023 19:34   | BJ      |
| <b>Surrogate Recoveries</b> |                                 | <b>Result</b> |      | <b>Acceptance Range</b> |                 |          |                                                                      |                    |                    |         |
| 2051-24-3                   | Surrogate: Decachlorobiphenyl   | 75.3 %        |      |                         |                 |          |                                                                      |                    |                    |         |
| 877-09-8                    | Surrogate: Tetrachloro-m-xylene | 59.6 %        |      |                         |                 |          |                                                                      |                    |                    |         |

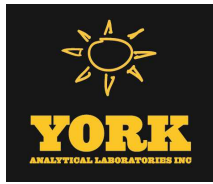
### Polychlorinated Biphenyls (PCB)

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                       | Result        | Flag | Units                   | Reported to LOQ | Dilution | Reference Method                                                     | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|------|-------------------------|-----------------|----------|----------------------------------------------------------------------|--------------------|--------------------|---------|
| 12674-11-2                  | Aroclor 1016                    | ND            |      | mg/kg dry               | 0.0185          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/09/2023 08:49   | 01/12/2023 21:54   | BJ      |
| 11104-28-2                  | Aroclor 1221                    | ND            |      | mg/kg dry               | 0.0185          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/09/2023 08:49   | 01/12/2023 21:54   | BJ      |
| 11141-16-5                  | Aroclor 1232                    | ND            |      | mg/kg dry               | 0.0185          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/09/2023 08:49   | 01/12/2023 21:54   | BJ      |
| 53469-21-9                  | Aroclor 1242                    | ND            |      | mg/kg dry               | 0.0185          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/09/2023 08:49   | 01/12/2023 21:54   | BJ      |
| 12672-29-6                  | Aroclor 1248                    | ND            |      | mg/kg dry               | 0.0185          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/09/2023 08:49   | 01/12/2023 21:54   | BJ      |
| 11097-69-1                  | Aroclor 1254                    | ND            |      | mg/kg dry               | 0.0185          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/09/2023 08:49   | 01/12/2023 21:54   | BJ      |
| 11096-82-5                  | Aroclor 1260                    | ND            |      | mg/kg dry               | 0.0185          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/09/2023 08:49   | 01/12/2023 21:54   | BJ      |
| 37324-23-5                  | Aroclor 1262                    | ND            |      | mg/kg dry               | 0.0185          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/09/2023 08:49   | 01/12/2023 21:54   | BJ      |
| 11100-14-4                  | Aroclor 1268                    | ND            |      | mg/kg dry               | 0.0185          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/09/2023 08:49   | 01/12/2023 21:54   | BJ      |
| 1336-36-3                   | * Total PCBs                    | ND            |      | mg/kg dry               | 0.0185          | 1        | EPA 8082A<br>Certifications:                                         | 01/09/2023 08:49   | 01/12/2023 21:54   | BJ      |
| <b>Surrogate Recoveries</b> |                                 | <b>Result</b> |      | <b>Acceptance Range</b> |                 |          |                                                                      |                    |                    |         |
| 877-09-8                    | Surrogate: Tetrachloro-m-xylene | 83.5 %        |      |                         |                 |          |                                                                      |                    |                    |         |
| 2051-24-3                   | Surrogate: Decachlorobiphenyl   | 74.0 %        |      |                         |                 |          |                                                                      |                    |                    |         |



## Sample Information

**Client Sample ID:** B-4 0-2

**York Sample ID:** 23A0373-03

York Project (SDG) No.

23A0373

Client Project ID

21003-0004

Matrix

Soil

Collection Date/Time

January 6, 2023 11:53 am

Date Received

01/05/2023

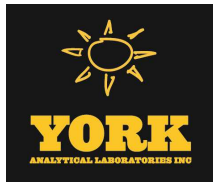
### Metals, Target Analyte

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter | Result | Flag | Units     | Reported to LOQ | Dilution | Reference Method                                                     | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|-----------------|----------|----------------------------------------------------------------------|--------------------|--------------------|---------|
| 7429-90-5 | Aluminum  | 14500  |      | mg/kg dry | 4.72            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 16:53   | CW      |
| 7440-36-0 | Antimony  | 2.71   |      | mg/kg dry | 2.36            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 16:53   | CW      |
| 7440-38-2 | Arsenic   | 5.00   |      | mg/kg dry | 1.42            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 16:53   | CW      |
| 7440-39-3 | Barium    | 77.9   |      | mg/kg dry | 2.36            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 16:53   | CW      |
| 7440-41-7 | Beryllium | 0.446  |      | mg/kg dry | 0.048           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 16:53   | CW      |
| 7440-43-9 | Cadmium   | ND     |      | mg/kg dry | 0.283           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 16:53   | CW      |
| 7440-70-2 | Calcium   | 3700   |      | mg/kg dry | 4.72            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 16:53   | CW      |
| 7440-47-3 | Chromium  | 15.7   |      | mg/kg dry | 0.473           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 16:53   | CW      |
| 7440-48-4 | Cobalt    | 2.77   |      | mg/kg dry | 0.377           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 16:53   | CW      |
| 7440-50-8 | Copper    | 9.60   |      | mg/kg dry | 1.89            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 16:53   | CW      |
| 7439-89-6 | Iron      | 15000  |      | mg/kg dry | 23.6            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 16:53   | CW      |
| 7439-92-1 | Lead      | 156    |      | mg/kg dry | 0.473           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 16:53   | CW      |
| 7439-95-4 | Magnesium | 1170   |      | mg/kg dry | 4.73            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 16:53   | CW      |
| 7439-96-5 | Manganese | 87.7   |      | mg/kg dry | 0.473           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 16:53   | CW      |
| 7440-02-0 | Nickel    | 9.30   |      | mg/kg dry | 0.941           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 16:53   | CW      |
| 7440-09-7 | Potassium | 405    | B    | mg/kg dry | 4.73            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 16:53   | CW      |
| 7782-49-2 | Selenium  | ND     |      | mg/kg dry | 2.36            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 16:53   | CW      |
| 7440-22-4 | Silver    | ND     |      | mg/kg dry | 0.476           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 16:53   | CW      |
| 7440-23-5 | Sodium    | 59.8   |      | mg/kg dry | 47.2            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 16:53   | CW      |
| 7440-28-0 | Thallium  | ND     |      | mg/kg dry | 2.36            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 16:53   | CW      |
| 7440-62-2 | Vanadium  | 24.9   |      | mg/kg dry | 0.941           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 16:53   | CW      |



## Sample Information

**Client Sample ID:** B-4 0-2

**York Sample ID:** 23A0373-03

York Project (SDG) No.

23A0373

Client Project ID

21003-0004

Matrix

Soil

Collection Date/Time

January 6, 2023 11:53 am

Date Received

01/05/2023

### Metals, Target Analyte

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter | Result | Flag | Units     | Reported to<br>LOQ | Dilution | Reference Method | Date/Time<br>Prepared                   | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|--------------------|----------|------------------|-----------------------------------------|-----------------------|---------|
| 7440-66-6 | Zinc      | 179    |      | mg/kg dry | 2.35               | 1        | EPA 6010D        | 01/12/2023 14:08                        | 01/13/2023 16:53      | CW      |
|           |           |        |      |           |                    |          | Certifications:  | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                       |         |

### Mercury by 7473

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 7473 soil

| CAS No.   | Parameter | Result | Flag | Units     | Reported to<br>LOQ | Dilution | Reference Method | Date/Time<br>Prepared                   | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|--------------------|----------|------------------|-----------------------------------------|-----------------------|---------|
| 7439-97-6 | Mercury   | 0.253  |      | mg/kg dry | 0.0340             | 1        | EPA 7473         | 01/10/2023 09:21                        | 01/10/2023 15:42      | MR      |
|           |           |        |      |           |                    |          | Certifications:  | CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP |                       |         |

### Total Solids

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: % Solids Prep

| CAS No. | Parameter  | Result | Flag | Units | Reported to<br>LOQ | Dilution | Reference Method | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|------------|--------|------|-------|--------------------|----------|------------------|-----------------------|-----------------------|---------|
| solids  | * % Solids | 88.2   |      | %     | 0.100              | 1        | SM 2540G         | 01/10/2023 13:47      | 01/10/2023 16:12      | S_S     |
|         |            |        |      |       |                    |          | Certifications:  | CTDOH-PH-0723         |                       |         |

## Sample Information

**Client Sample ID:** B-4 2-4

**York Sample ID:** 23A0373-04

York Project (SDG) No.

23A0373

Client Project ID

21003-0004

Matrix

Soil

Collection Date/Time

January 6, 2023 12:07 pm

Date Received

01/05/2023

### Volatile Organics, 8260 - Comprehensive

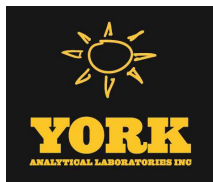
### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.  | Parameter                                            | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method | Date/Time<br>Prepared                               | Date/Time<br>Analyzed | Analyst |
|----------|------------------------------------------------------|--------|------|-----------|------------------------|--------|----------|------------------|-----------------------------------------------------|-----------------------|---------|
| 630-20-6 | 1,1,1,2-Tetrachloroethane                            | ND     |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C        | 01/10/2023 06:29                                    | 01/10/2023 18:12      | JTG     |
|          |                                                      |        |      |           |                        |        |          | Certifications:  | CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI |                       |         |
| 71-55-6  | 1,1,1-Trichloroethane                                | ND     |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C        | 01/10/2023 06:29                                    | 01/10/2023 18:12      | JTG     |
|          |                                                      |        |      |           |                        |        |          | Certifications:  | CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI |                       |         |
| 79-34-5  | 1,1,2,2-Tetrachloroethane                            | ND     | CCVE | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C        | 01/10/2023 06:29                                    | 01/10/2023 18:12      | JTG     |
|          |                                                      |        |      |           |                        |        |          | Certifications:  | CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI |                       |         |
| 76-13-1  | 1,1,2-Trichloro-1,2,2-trifluoroethane<br>(Freon 113) | ND     |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C        | 01/10/2023 06:29                                    | 01/10/2023 18:12      | JTG     |
|          |                                                      |        |      |           |                        |        |          | Certifications:  | CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP     |                       |         |
| 79-00-5  | 1,1,2-Trichloroethane                                | ND     |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C        | 01/10/2023 06:29                                    | 01/10/2023 18:12      | JTG     |
|          |                                                      |        |      |           |                        |        |          | Certifications:  | CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI |                       |         |
| 75-34-3  | 1,1-Dichloroethane                                   | ND     |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C        | 01/10/2023 06:29                                    | 01/10/2023 18:12      | JTG     |
|          |                                                      |        |      |           |                        |        |          | Certifications:  | CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI |                       |         |





## Sample Information

**Client Sample ID:** B-4 2-4

**York Sample ID:** 23A0373-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0373

21003-0004

Soil

January 6, 2023 12:07 pm

01/05/2023

### Volatile Organics, 8260 - Comprehensive

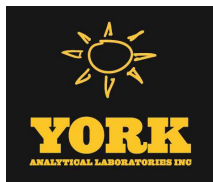
### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.  | Parameter                   | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|-----------------------------|--------|------|-----------|------------------------|--------|----------|------------------------------|-----------------------|-----------------------|---------|
| 75-35-4  | 1,1-Dichloroethylene        | ND     |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 18:12      | JTG     |
| 87-61-6  | 1,2,3-Trichlorobenzene      | ND     |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 18:12      | JTG     |
| 96-18-4  | 1,2,3-Trichloropropane      | ND     |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 18:12      | JTG     |
| 120-82-1 | 1,2,4-Trichlorobenzene      | ND     |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 18:12      | JTG     |
| 95-63-6  | 1,2,4-Trimethylbenzene      | ND     |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 18:12      | JTG     |
| 96-12-8  | 1,2-Dibromo-3-chloropropane | ND     |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 18:12      | JTG     |
| 106-93-4 | 1,2-Dibromoethane           | ND     |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 18:12      | JTG     |
| 95-50-1  | 1,2-Dichlorobenzene         | ND     |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 18:12      | JTG     |
| 107-06-2 | 1,2-Dichloroethane          | ND     |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 18:12      | JTG     |
| 78-87-5  | 1,2-Dichloropropane         | ND     |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 18:12      | JTG     |
| 108-67-8 | 1,3,5-Trimethylbenzene      | ND     |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 18:12      | JTG     |
| 541-73-1 | 1,3-Dichlorobenzene         | ND     |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 18:12      | JTG     |
| 106-46-7 | 1,4-Dichlorobenzene         | ND     |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 18:12      | JTG     |
| 123-91-1 | 1,4-Dioxane                 | ND     |      | mg/kg dry | 0.044                  | 0.089  | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 18:12      | JTG     |
| 78-93-3  | 2-Butanone                  | ND     | CCVE | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 18:12      | JTG     |
| 591-78-6 | 2-Hexanone                  | ND     |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 18:12      | JTG     |
| 108-10-1 | 4-Methyl-2-pentanone        | ND     |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 18:12      | JTG     |
| 67-64-1  | Acetone                     | 0.031  | CCVE | mg/kg dry | 0.0044                 | 0.0089 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 18:12      | JTG     |
| 107-02-8 | Acrolein                    | ND     |      | mg/kg dry | 0.0044                 | 0.0089 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 18:12      | JTG     |
| 107-13-1 | Acrylonitrile               | ND     |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 18:12      | JTG     |
| 71-43-2  | Benzene                     | ND     |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 18:12      | JTG     |
| 74-97-5  | Bromochloromethane          | ND     |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 18:12      | JTG     |
| 75-27-4  | Bromodichloromethane        | ND     |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 18:12      | JTG     |





## Sample Information

**Client Sample ID:** B-4 2-4

**York Sample ID:** 23A0373-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0373

21003-0004

Soil

January 6, 2023 12:07 pm

01/05/2023

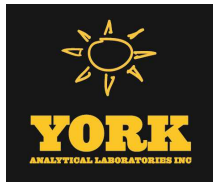
### Volatile Organics, 8260 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.    | Parameter                      | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method             | Date/Time<br>Prepared                                                   | Date/Time<br>Analyzed | Analyst |
|------------|--------------------------------|--------|------|-----------|------------------------|--------|----------|------------------------------|-------------------------------------------------------------------------|-----------------------|---------|
| 75-25-2    | Bromoform                      | ND     |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 18:12      | JTG     |
| 74-83-9    | Bromomethane                   | ND     |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 18:12      | JTG     |
| 75-15-0    | Carbon disulfide               | ND     |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 18:12      | JTG     |
| 56-23-5    | Carbon tetrachloride           | ND     |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 18:12      | JTG     |
| 108-90-7   | Chlorobenzene                  | ND     |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 18:12      | JTG     |
| 75-00-3    | Chloroethane                   | ND     |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 18:12      | JTG     |
| 67-66-3    | Chloroform                     | ND     |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 18:12      | JTG     |
| 74-87-3    | Chloromethane                  | ND     | CCVE | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 18:12      | JTG     |
| 156-59-2   | cis-1,2-Dichloroethylene       | ND     |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 18:12      | JTG     |
| 10061-01-5 | cis-1,3-Dichloropropylene      | ND     |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 18:12      | JTG     |
| 110-82-7   | Cyclohexane                    | ND     |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/10/2023 18:12      | JTG     |
| 124-48-1   | Dibromochloromethane           | ND     |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/10/2023 18:12      | JTG     |
| 74-95-3    | Dibromomethane                 | ND     |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/10/2023 18:12      | JTG     |
| 75-71-8    | Dichlorodifluoromethane        | ND     | CCVE | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/10/2023 18:12      | JTG     |
| 100-41-4   | Ethyl Benzene                  | ND     |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 18:12      | JTG     |
| 87-68-3    | Hexachlorobutadiene            | ND     |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/10/2023 18:12      | JTG     |
| 98-82-8    | Isopropylbenzene               | ND     |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 18:12      | JTG     |
| 79-20-9    | Methyl acetate                 | ND     |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/10/2023 18:12      | JTG     |
| 1634-04-4  | Methyl tert-butyl ether (MTBE) | ND     |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 18:12      | JTG     |
| 108-87-2   | Methylcyclohexane              | ND     |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/10/2023 18:12      | JTG     |
| 75-09-2    | Methylene chloride             | ND     |      | mg/kg dry | 0.0044                 | 0.0089 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 18:12      | JTG     |
| 104-51-8   | n-Butylbenzene                 | ND     |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 18:12      | JTG     |
| 103-65-1   | n-Propylbenzene                | ND     |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 18:12      | JTG     |



## Sample Information

**Client Sample ID:** B-4 2-4

**York Sample ID:** 23A0373-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0373

21003-0004

Soil

January 6, 2023 12:07 pm

01/05/2023

### Volatile Organics, 8260 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.                     | Parameter                                 | Result        | Flag                    | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                                 | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|-------------------------------------------|---------------|-------------------------|-----------|------------------------|--------|----------|----------------------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 95-47-6                     | o-Xylene                                  | ND            |                         | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP     | 01/10/2023 06:29      | 01/10/2023 18:12      | JTG     |
| 179601-23-1                 | p- & m- Xylenes                           | ND            |                         | mg/kg dry | 0.0044                 | 0.0089 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP     | 01/10/2023 06:29      | 01/10/2023 18:12      | JTG     |
| 99-87-6                     | p-Isopropyltoluene                        | ND            |                         | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 18:12      | JTG     |
| 135-98-8                    | sec-Butylbenzene                          | ND            |                         | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 18:12      | JTG     |
| 100-42-5                    | Styrene                                   | ND            |                         | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 18:12      | JTG     |
| 75-65-0                     | tert-Butyl alcohol (TBA)                  | ND            |                         | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/10/2023 06:29      | 01/10/2023 18:12      | JTG     |
| 98-06-6                     | tert-Butylbenzene                         | ND            |                         | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 18:12      | JTG     |
| 127-18-4                    | Tetrachloroethylene                       | ND            |                         | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 18:12      | JTG     |
| 108-88-3                    | Toluene                                   | ND            |                         | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 18:12      | JTG     |
| 156-60-5                    | trans-1,2-Dichloroethylene                | ND            |                         | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 18:12      | JTG     |
| 10061-02-6                  | trans-1,3-Dichloropropylene               | ND            |                         | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 18:12      | JTG     |
| 79-01-6                     | Trichloroethylene                         | ND            |                         | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 18:12      | JTG     |
| 75-69-4                     | Trichlorofluoromethane                    | ND            |                         | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 18:12      | JTG     |
| 75-01-4                     | Vinyl Chloride                            | ND            |                         | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 18:12      | JTG     |
| 1330-20-7                   | Xylenes, Total                            | ND            |                         | mg/kg dry | 0.0067                 | 0.013  | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP     | 01/10/2023 06:29      | 01/10/2023 18:12      | JTG     |
| <b>Surrogate Recoveries</b> |                                           | <b>Result</b> | <b>Acceptance Range</b> |           |                        |        |          |                                                                                  |                       |                       |         |
| 17060-07-0                  | Surrogate: SURR:<br>1,2-Dichloroethane-d4 | 119 %         | 77-125                  |           |                        |        |          |                                                                                  |                       |                       |         |
| 2037-26-5                   | Surrogate: SURR: Toluene-d8               | 94.7 %        | 85-120                  |           |                        |        |          |                                                                                  |                       |                       |         |
| 460-00-4                    | Surrogate: SURR:<br>p-Bromofluorobenzene  | 90.0 %        | 76-130                  |           |                        |        |          |                                                                                  |                       |                       |         |

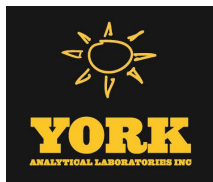
### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter                  | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                       | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|----------------------------|--------|------|-----------|------------------------|--------|----------|--------------------------------------------------------|-----------------------|-----------------------|---------|
| 92-52-4 | 1,1-Biphenyl               | ND     |      | mg/kg dry | 0.0461                 | 0.0920 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | ND     |      | mg/kg dry | 0.0920                 | 0.184  | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |



## Sample Information

**Client Sample ID:** B-4 2-4

**York Sample ID:** 23A0373-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0373

21003-0004

Soil

January 6, 2023 12:07 pm

01/05/2023

### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.    | Parameter                             | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|---------------------------------------|--------|------|-----------|------------------------|--------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 120-82-1   | 1,2,4-Trichlorobenzene                | ND     |      | mg/kg dry | 0.0461                 | 0.0920 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 95-50-1    | 1,2-Dichlorobenzene                   | ND     |      | mg/kg dry | 0.0461                 | 0.0920 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP                     | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 122-66-7   | 1,2-Diphenylhydrazine (as Azobenzene) | ND     |      | mg/kg dry | 0.0461                 | 0.0920 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 541-73-1   | 1,3-Dichlorobenzene                   | ND     |      | mg/kg dry | 0.0461                 | 0.0920 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP                     | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 106-46-7   | 1,4-Dichlorobenzene                   | ND     |      | mg/kg dry | 0.0461                 | 0.0920 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP                     | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 58-90-2    | 2,3,4,6-Tetrachlorophenol             | ND     |      | mg/kg dry | 0.0920                 | 0.184  | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 95-95-4    | 2,4,5-Trichlorophenol                 | ND     |      | mg/kg dry | 0.0461                 | 0.0920 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 88-06-2    | 2,4,6-Trichlorophenol                 | ND     |      | mg/kg dry | 0.0461                 | 0.0920 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 120-83-2   | 2,4-Dichlorophenol                    | ND     |      | mg/kg dry | 0.0461                 | 0.0920 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 105-67-9   | 2,4-Dimethylphenol                    | ND     |      | mg/kg dry | 0.0461                 | 0.0920 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 51-28-5    | 2,4-Dinitrophenol                     | ND     |      | mg/kg dry | 0.0920                 | 0.184  | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 121-14-2   | 2,4-Dinitrotoluene                    | ND     |      | mg/kg dry | 0.0461                 | 0.0920 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 606-20-2   | 2,6-Dinitrotoluene                    | ND     |      | mg/kg dry | 0.0461                 | 0.0920 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 91-58-7    | 2-Chloronaphthalene                   | ND     |      | mg/kg dry | 0.0461                 | 0.0920 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 95-57-8    | 2-Chlorophenol                        | ND     |      | mg/kg dry | 0.0461                 | 0.0920 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 91-57-6    | 2-Methylnaphthalene                   | ND     |      | mg/kg dry | 0.0461                 | 0.0920 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 95-48-7    | 2-Methylphenol                        | ND     |      | mg/kg dry | 0.0461                 | 0.0920 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 88-74-4    | 2-Nitroaniline                        | ND     |      | mg/kg dry | 0.0920                 | 0.184  | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 88-75-5    | 2-Nitrophenol                         | ND     |      | mg/kg dry | 0.0461                 | 0.0920 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 65794-96-9 | 3- & 4-Methylphenols                  | ND     |      | mg/kg dry | 0.0461                 | 0.0920 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 91-94-1    | 3,3-Dichlorobenzidine                 | ND     |      | mg/kg dry | 0.0461                 | 0.0920 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 99-09-2    | 3-Nitroaniline                        | ND     |      | mg/kg dry | 0.0920                 | 0.184  | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 534-52-1   | 4,6-Dinitro-2-methylphenol            | ND     |      | mg/kg dry | 0.0920                 | 0.184  | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |



## Sample Information

**Client Sample ID:** B-4 2-4

**York Sample ID:** 23A0373-04

York Project (SDG) No.  
23A0373

Client Project ID  
21003-0004

Matrix  
Soil

Collection Date/Time  
January 6, 2023 12:07 pm

Date Received  
01/05/2023

### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.   | Parameter                   | Result       | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------------------------|--------------|------|-----------|------------------------|--------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 101-55-3  | 4-Bromophenyl phenyl ether  | ND           |      | mg/kg dry | 0.0461                 | 0.0920 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 59-50-7   | 4-Chloro-3-methylphenol     | ND           |      | mg/kg dry | 0.0461                 | 0.0920 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 106-47-8  | 4-Chloroaniline             | ND           |      | mg/kg dry | 0.0461                 | 0.0920 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND           |      | mg/kg dry | 0.0461                 | 0.0920 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 100-01-6  | 4-Nitroaniline              | ND           |      | mg/kg dry | 0.0920                 | 0.184  | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 100-02-7  | 4-Nitrophenol               | ND           |      | mg/kg dry | 0.0920                 | 0.184  | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 83-32-9   | <b>Acenaphthene</b>         | <b>0.218</b> |      | mg/kg dry | 0.0461                 | 0.0920 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 208-96-8  | <b>Acenaphthylene</b>       | <b>0.112</b> |      | mg/kg dry | 0.0461                 | 0.0920 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 98-86-2   | Acetophenone                | ND           |      | mg/kg dry | 0.0461                 | 0.0920 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 62-53-3   | Aniline                     | ND           |      | mg/kg dry | 0.184                  | 0.368  | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 120-12-7  | <b>Anthracene</b>           | <b>0.978</b> |      | mg/kg dry | 0.0461                 | 0.0920 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 1912-24-9 | Atrazine                    | ND           |      | mg/kg dry | 0.0461                 | 0.0920 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 100-52-7  | Benzaldehyde                | ND           |      | mg/kg dry | 0.0461                 | 0.0920 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 92-87-5   | Benzidine                   | ND           |      | mg/kg dry | 0.184                  | 0.368  | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 56-55-3   | <b>Benzo(a)anthracene</b>   | <b>2.08</b>  |      | mg/kg dry | 0.0461                 | 0.0920 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 50-32-8   | <b>Benzo(a)pyrene</b>       | <b>1.77</b>  |      | mg/kg dry | 0.0461                 | 0.0920 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 205-99-2  | <b>Benzo(b)fluoranthene</b> | <b>1.89</b>  |      | mg/kg dry | 0.0461                 | 0.0920 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 191-24-2  | <b>Benzo(g,h,i)perylene</b> | <b>1.29</b>  |      | mg/kg dry | 0.0461                 | 0.0920 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 207-08-9  | <b>Benzo(k)fluoranthene</b> | <b>1.50</b>  |      | mg/kg dry | 0.0461                 | 0.0920 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 65-85-0   | Benzoic acid                | ND           |      | mg/kg dry | 0.0461                 | 0.0920 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 100-51-6  | Benzyl alcohol              | ND           |      | mg/kg dry | 0.0461                 | 0.0920 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 85-68-7   | Benzyl butyl phthalate      | ND           |      | mg/kg dry | 0.0461                 | 0.0920 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 111-91-1  | Bis(2-chloroethoxy)methane  | ND           |      | mg/kg dry | 0.0461                 | 0.0920 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |



## Sample Information

**Client Sample ID:** B-4 2-4

**York Sample ID:** 23A0373-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0373

21003-0004

Soil

January 6, 2023 12:07 pm

01/05/2023

### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.  | Parameter                     | Result       | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|-------------------------------|--------------|------|-----------|------------------------|--------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 111-44-4 | Bis(2-chloroethyl)ether       | ND           |      | mg/kg dry | 0.0461                 | 0.0920 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 108-60-1 | Bis(2-chloroisopropyl)ether   | ND           |      | mg/kg dry | 0.0461                 | 0.0920 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 117-81-7 | Bis(2-ethylhexyl)phthalate    | ND           |      | mg/kg dry | 0.0461                 | 0.0920 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 105-60-2 | Caprolactam                   | ND           |      | mg/kg dry | 0.0920                 | 0.184  | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 86-74-8  | <b>Carbazole</b>              | <b>0.522</b> |      | mg/kg dry | 0.0461                 | 0.0920 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 218-01-9 | <b>Chrysene</b>               | <b>2.01</b>  |      | mg/kg dry | 0.0461                 | 0.0920 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 53-70-3  | <b>Dibenzo(a,h)anthracene</b> | <b>0.390</b> |      | mg/kg dry | 0.0461                 | 0.0920 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 132-64-9 | <b>Dibenzofuran</b>           | <b>0.257</b> |      | mg/kg dry | 0.0461                 | 0.0920 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 84-66-2  | Diethyl phthalate             | ND           |      | mg/kg dry | 0.0461                 | 0.0920 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 131-11-3 | Dimethyl phthalate            | ND           |      | mg/kg dry | 0.0461                 | 0.0920 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 84-74-2  | Di-n-butyl phthalate          | ND           |      | mg/kg dry | 0.0461                 | 0.0920 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 117-84-0 | Di-n-octyl phthalate          | ND           |      | mg/kg dry | 0.0461                 | 0.0920 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 206-44-0 | <b>Fluoranthene</b>           | <b>6.55</b>  |      | mg/kg dry | 0.230                  | 0.460  | 10       | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/13/2023 11:02      | KH      |
| 86-73-7  | <b>Fluorene</b>               | <b>0.344</b> |      | mg/kg dry | 0.0461                 | 0.0920 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 118-74-1 | Hexachlorobenzene             | ND           |      | mg/kg dry | 0.0461                 | 0.0920 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 87-68-3  | Hexachlorobutadiene           | ND           |      | mg/kg dry | 0.0461                 | 0.0920 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 77-47-4  | Hexachlorocyclopentadiene     | ND           |      | mg/kg dry | 0.0461                 | 0.0920 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 67-72-1  | Hexachloroethane              | ND           |      | mg/kg dry | 0.0461                 | 0.0920 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 193-39-5 | <b>Indeno(1,2,3-cd)pyrene</b> | <b>1.37</b>  |      | mg/kg dry | 0.0461                 | 0.0920 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 78-59-1  | Isophorone                    | ND           |      | mg/kg dry | 0.0461                 | 0.0920 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 91-20-3  | <b>Naphthalene</b>            | <b>0.132</b> |      | mg/kg dry | 0.0461                 | 0.0920 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 98-95-3  | Nitrobenzene                  | ND           |      | mg/kg dry | 0.0461                 | 0.0920 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 62-75-9  | N-Nitrosodimethylamine        | ND           |      | mg/kg dry | 0.0461                 | 0.0920 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |



## Sample Information

**Client Sample ID:** B-4 2-4

**York Sample ID:** 23A0373-04

York Project (SDG) No.  
23A0373

Client Project ID  
21003-0004

Matrix  
Soil

Collection Date/Time  
January 6, 2023 12:07 pm

Date Received  
01/05/2023

### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                                | Result        | Flag                    | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|------------------------------------------|---------------|-------------------------|-----------|------------------------|--------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 621-64-7                    | N-nitroso-di-n-propylamine               | ND            |                         | mg/kg dry | 0.0461                 | 0.0920 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 86-30-6                     | N-Nitrosodiphenylamine                   | ND            |                         | mg/kg dry | 0.0461                 | 0.0920 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 87-86-5                     | Pentachlorophenol                        | ND            |                         | mg/kg dry | 0.0461                 | 0.0920 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 85-01-8                     | <b>Phenanthrene</b>                      | <b>4.80</b>   |                         | mg/kg dry | 0.230                  | 0.460  | 10       | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/13/2023 11:02      | KH      |
| 108-95-2                    | Phenol                                   | ND            |                         | mg/kg dry | 0.0461                 | 0.0920 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:27      | KH      |
| 129-00-0                    | <b>Pyrene</b>                            | <b>4.90</b>   |                         | mg/kg dry | 0.230                  | 0.460  | 10       | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/13/2023 11:02      | KH      |
| <b>Surrogate Recoveries</b> |                                          | <b>Result</b> | <b>Acceptance Range</b> |           |                        |        |          |                                                                      |                       |                       |         |
| 367-12-4                    | Surrogate: SURR: 2-Fluorophenol          | 60.7 %        | 20-108                  |           |                        |        |          |                                                                      |                       |                       |         |
| 4165-62-2                   | Surrogate: SURR: Phenol-d5               | 60.8 %        | 23-114                  |           |                        |        |          |                                                                      |                       |                       |         |
| 4165-60-0                   | Surrogate: SURR: Nitrobenzene-d5         | 44.6 %        | 22-108                  |           |                        |        |          |                                                                      |                       |                       |         |
| 321-60-8                    | Surrogate: SURR: 2-Fluorobiphenyl        | 62.3 %        | 21-113                  |           |                        |        |          |                                                                      |                       |                       |         |
| 118-79-6                    | Surrogate: SURR:<br>2,4,6-Tribromophenol | 63.6 %        | 19-110                  |           |                        |        |          |                                                                      |                       |                       |         |
| 1718-51-0                   | Surrogate: SURR: Terphenyl-d14           | 71.1 %        | 24-116                  |           |                        |        |          |                                                                      |                       |                       |         |

### Pesticides, 8081 target list

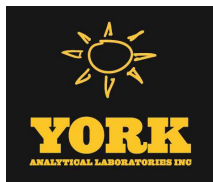
### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.    | Parameter        | Result | Flag | Units     | Reported to<br>LOQ | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|------------------|--------|------|-----------|--------------------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 72-54-8    | 4,4'-DDD         | ND     |      | mg/kg dry | 0.00181            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 19:52      | BJ      |
| 72-55-9    | 4,4'-DDE         | ND     |      | mg/kg dry | 0.00181            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 19:52      | BJ      |
| 50-29-3    | 4,4'-DDT         | ND     |      | mg/kg dry | 0.00181            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 19:52      | BJ      |
| 309-00-2   | Aldrin           | ND     |      | mg/kg dry | 0.00181            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 19:52      | BJ      |
| 319-84-6   | alpha-BHC        | ND     |      | mg/kg dry | 0.00181            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 19:52      | BJ      |
| 5103-71-9  | alpha-Chlordane  | ND     |      | mg/kg dry | 0.00181            | 5        | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP                     | 01/09/2023 08:49      | 01/13/2023 19:52      | BJ      |
| 319-85-7   | beta-BHC         | ND     |      | mg/kg dry | 0.00181            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 19:52      | BJ      |
| 12789-03-6 | Chlordane, total | ND     |      | mg/kg dry | 0.0363             | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 19:52      | BJ      |
| 319-86-8   | delta-BHC        | ND     |      | mg/kg dry | 0.00181            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 19:52      | BJ      |
| 60-57-1    | Dieldrin         | ND     |      | mg/kg dry | 0.00181            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 19:52      | BJ      |





## Sample Information

**Client Sample ID:** B-4 2-4

**York Sample ID:** 23A0373-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0373

21003-0004

Soil

January 6, 2023 12:07 pm

01/05/2023

### Pesticides, 8081 target list

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                       | Result        | Flag                    | Units     | Reported to LOQ | Dilution | Reference Method                                                     | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|-------------------------|-----------|-----------------|----------|----------------------------------------------------------------------|--------------------|--------------------|---------|
| 959-98-8                    | Endosulfan I                    | ND            |                         | mg/kg dry | 0.00181         | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49   | 01/13/2023 19:52   | BJ      |
| 33213-65-9                  | Endosulfan II                   | ND            |                         | mg/kg dry | 0.00181         | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49   | 01/13/2023 19:52   | BJ      |
| 1031-07-8                   | Endosulfan sulfate              | ND            |                         | mg/kg dry | 0.00181         | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49   | 01/13/2023 19:52   | BJ      |
| 72-20-8                     | Endrin                          | ND            |                         | mg/kg dry | 0.00181         | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49   | 01/13/2023 19:52   | BJ      |
| 7421-93-4                   | Endrin aldehyde                 | ND            |                         | mg/kg dry | 0.00181         | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49   | 01/13/2023 19:52   | BJ      |
| 53494-70-5                  | Endrin ketone                   | ND            |                         | mg/kg dry | 0.00181         | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49   | 01/13/2023 19:52   | BJ      |
| 58-89-9                     | gamma-BHC (Lindane)             | ND            |                         | mg/kg dry | 0.00181         | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49   | 01/13/2023 19:52   | BJ      |
| 5566-34-7                   | gamma-Chlordane                 | ND            |                         | mg/kg dry | 0.00181         | 5        | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP                     | 01/09/2023 08:49   | 01/13/2023 19:52   | BJ      |
| 76-44-8                     | Heptachlor                      | ND            |                         | mg/kg dry | 0.00181         | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49   | 01/13/2023 19:52   | BJ      |
| 1024-57-3                   | Heptachlor epoxide              | ND            |                         | mg/kg dry | 0.00181         | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49   | 01/13/2023 19:52   | BJ      |
| 72-43-5                     | Methoxychlor                    | ND            |                         | mg/kg dry | 0.00907         | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49   | 01/13/2023 19:52   | BJ      |
| 8001-35-2                   | Toxaphene                       | ND            |                         | mg/kg dry | 0.0918          | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49   | 01/13/2023 19:52   | BJ      |
| <b>Surrogate Recoveries</b> |                                 | <b>Result</b> | <b>Acceptance Range</b> |           |                 |          |                                                                      |                    |                    |         |
| 2051-24-3                   | Surrogate: Decachlorobiphenyl   | 92.3 %        | 30-150                  |           |                 |          |                                                                      |                    |                    |         |
| 877-09-8                    | Surrogate: Tetrachloro-m-xylene | 55.1 %        | 30-150                  |           |                 |          |                                                                      |                    |                    |         |

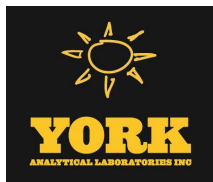
### Polychlorinated Biphenyls (PCB)

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.    | Parameter    | Result | Flag | Units     | Reported to LOQ | Dilution | Reference Method                                                     | Date/Time Prepared | Date/Time Analyzed | Analyst |
|------------|--------------|--------|------|-----------|-----------------|----------|----------------------------------------------------------------------|--------------------|--------------------|---------|
| 12674-11-2 | Aroclor 1016 | ND     |      | mg/kg dry | 0.0183          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/09/2023 08:49   | 01/12/2023 22:08   | BJ      |
| 11104-28-2 | Aroclor 1221 | ND     |      | mg/kg dry | 0.0183          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/09/2023 08:49   | 01/12/2023 22:08   | BJ      |
| 11141-16-5 | Aroclor 1232 | ND     |      | mg/kg dry | 0.0183          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/09/2023 08:49   | 01/12/2023 22:08   | BJ      |
| 53469-21-9 | Aroclor 1242 | ND     |      | mg/kg dry | 0.0183          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/09/2023 08:49   | 01/12/2023 22:08   | BJ      |
| 12672-29-6 | Aroclor 1248 | ND     |      | mg/kg dry | 0.0183          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/09/2023 08:49   | 01/12/2023 22:08   | BJ      |
| 11097-69-1 | Aroclor 1254 | ND     |      | mg/kg dry | 0.0183          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/09/2023 08:49   | 01/12/2023 22:08   | BJ      |



## Sample Information

**Client Sample ID:** B-4 2-4

**York Sample ID:** 23A0373-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0373

21003-0004

Soil

January 6, 2023 12:07 pm

01/05/2023

### Polychlorinated Biphenyls (PCB)

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                       | Result        | Flag | Units                   | Reported to LOQ | Dilution | Reference Method                                                     | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|------|-------------------------|-----------------|----------|----------------------------------------------------------------------|--------------------|--------------------|---------|
| 11096-82-5                  | Aroclor 1260                    | ND            |      | mg/kg dry               | 0.0183          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/09/2023 08:49   | 01/12/2023 22:08   | BJ      |
| 37324-23-5                  | Aroclor 1262                    | ND            |      | mg/kg dry               | 0.0183          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/09/2023 08:49   | 01/12/2023 22:08   | BJ      |
| 11100-14-4                  | Aroclor 1268                    | ND            |      | mg/kg dry               | 0.0183          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/09/2023 08:49   | 01/12/2023 22:08   | BJ      |
| 1336-36-3                   | * Total PCBs                    | ND            |      | mg/kg dry               | 0.0183          | 1        | EPA 8082A<br>Certifications:                                         | 01/09/2023 08:49   | 01/12/2023 22:08   | BJ      |
| <b>Surrogate Recoveries</b> |                                 | <b>Result</b> |      | <b>Acceptance Range</b> |                 |          |                                                                      |                    |                    |         |
| 877-09-8                    | Surrogate: Tetrachloro-m-xylene | 80.5 %        |      | 30-140                  |                 |          |                                                                      |                    |                    |         |
| 2051-24-3                   | Surrogate: Decachlorobiphenyl   | 75.5 %        |      | 30-140                  |                 |          |                                                                      |                    |                    |         |

### Metals, Target Analyte

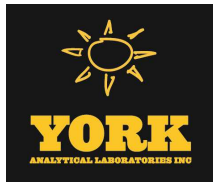
### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter        | Result       | Flag | Units     | Reported to LOQ | Dilution | Reference Method                                                     | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------|------------------|--------------|------|-----------|-----------------|----------|----------------------------------------------------------------------|--------------------|--------------------|---------|
| 7429-90-5 | <b>Aluminum</b>  | <b>3160</b>  |      | mg/kg dry | 4.62            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 16:56   | CW      |
| 7440-36-0 | Antimony         | ND           |      | mg/kg dry | 2.31            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 16:56   | CW      |
| 7440-38-2 | <b>Arsenic</b>   | <b>1.48</b>  |      | mg/kg dry | 1.39            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 16:56   | CW      |
| 7440-39-3 | <b>Barium</b>    | <b>14.7</b>  |      | mg/kg dry | 2.31            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 16:56   | CW      |
| 7440-41-7 | <b>Beryllium</b> | <b>0.211</b> |      | mg/kg dry | 0.047           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 16:56   | CW      |
| 7440-43-9 | Cadmium          | ND           |      | mg/kg dry | 0.278           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 16:56   | CW      |
| 7440-70-2 | <b>Calcium</b>   | <b>2450</b>  |      | mg/kg dry | 4.63            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 16:56   | CW      |
| 7440-47-3 | <b>Chromium</b>  | <b>8.46</b>  |      | mg/kg dry | 0.463           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 16:56   | CW      |
| 7440-48-4 | <b>Cobalt</b>    | <b>1.90</b>  |      | mg/kg dry | 0.370           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 16:56   | CW      |
| 7440-50-8 | <b>Copper</b>    | <b>3.67</b>  |      | mg/kg dry | 1.85            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 16:56   | CW      |
| 7439-89-6 | <b>Iron</b>      | <b>4580</b>  |      | mg/kg dry | 23.1            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 16:56   | CW      |
| 7439-92-1 | <b>Lead</b>      | <b>36.0</b>  |      | mg/kg dry | 0.463           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 16:56   | CW      |
| 7439-95-4 | <b>Magnesium</b> | <b>826</b>   |      | mg/kg dry | 4.63            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 16:56   | CW      |





## Sample Information

**Client Sample ID:** B-4 2-4

**York Sample ID:** 23A0373-04

York Project (SDG) No.

23A0373

Client Project ID

21003-0004

Matrix

Soil

Collection Date/Time

January 6, 2023 12:07 pm

Date Received

01/05/2023

### Metals, Target Analyte

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter | Result | Flag | Units     | Reported to<br>LOQ | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|--------------------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7439-96-5 | Manganese | 30.0   |      | mg/kg dry | 0.463              | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08      | 01/13/2023 16:56      | CW      |
| 7440-02-0 | Nickel    | 4.06   |      | mg/kg dry | 0.921              | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08      | 01/13/2023 16:56      | CW      |
| 7440-09-7 | Potassium | 285    | B    | mg/kg dry | 4.63               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08      | 01/13/2023 16:56      | CW      |
| 7782-49-2 | Selenium  | ND     |      | mg/kg dry | 2.31               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08      | 01/13/2023 16:56      | CW      |
| 7440-22-4 | Silver    | ND     |      | mg/kg dry | 0.466              | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08      | 01/13/2023 16:56      | CW      |
| 7440-23-5 | Sodium    | ND     |      | mg/kg dry | 46.3               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08      | 01/13/2023 16:56      | CW      |
| 7440-28-0 | Thallium  | ND     |      | mg/kg dry | 2.31               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08      | 01/13/2023 16:56      | CW      |
| 7440-62-2 | Vanadium  | 5.58   |      | mg/kg dry | 0.921              | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08      | 01/13/2023 16:56      | CW      |
| 7440-66-6 | Zinc      | 22.1   |      | mg/kg dry | 2.30               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08      | 01/13/2023 16:56      | CW      |

### Mercury by 7473

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 7473 soil

| CAS No.   | Parameter | Result | Flag | Units     | Reported to<br>LOQ | Dilution | Reference Method                                                    | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|--------------------|----------|---------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7439-97-6 | Mercury   | 0.0617 |      | mg/kg dry | 0.0333             | 1        | EPA 7473<br>Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP | 01/10/2023 09:21      | 01/10/2023 15:51      | MR      |

### Total Solids

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: % Solids Prep

| CAS No. | Parameter  | Result | Flag | Units | Reported to<br>LOQ | Dilution | Reference Method                          | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|------------|--------|------|-------|--------------------|----------|-------------------------------------------|-----------------------|-----------------------|---------|
| solids  | * % Solids | 90.1   |      | %     | 0.100              | 1        | SM 2540G<br>Certifications: CTDOH-PH-0723 | 01/10/2023 13:47      | 01/10/2023 16:12      | S_S     |

## Sample Information

**Client Sample ID:** B-3 0-2

**York Sample ID:** 23A0373-05

York Project (SDG) No.

23A0373

Client Project ID

21003-0004

Matrix

Soil

Collection Date/Time

January 6, 2023 1:10 pm

Date Received

01/05/2023



## Sample Information

**Client Sample ID:** B-3 0-2

**York Sample ID:** 23A0373-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0373

21003-0004

Soil

January 6, 2023 1:10 pm

01/05/2023

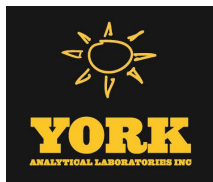
### Volatile Organics, 8260 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.  | Parameter                                            | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                                 | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|------------------------------------------------------|--------|------|-----------|------------------------|--------|----------|----------------------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 630-20-6 | 1,1,1,2-Tetrachloroethane                            | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 71-55-6  | 1,1,1-Trichloroethane                                | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 79-34-5  | 1,1,2,2-Tetrachloroethane                            | ND     | CCVE | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 76-13-1  | 1,1,2-Trichloro-1,2,2-trifluoroethane<br>(Freon 113) | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP     | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 79-00-5  | 1,1,2-Trichloroethane                                | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 75-34-3  | 1,1-Dichloroethane                                   | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 75-35-4  | 1,1-Dichloroethylene                                 | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 87-61-6  | 1,2,3-Trichlorobenzene                               | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 96-18-4  | 1,2,3-Trichloropropane                               | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP                   | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 120-82-1 | 1,2,4-Trichlorobenzene                               | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 95-63-6  | 1,2,4-Trimethylbenzene                               | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 96-12-8  | 1,2-Dibromo-3-chloropropane                          | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 106-93-4 | 1,2-Dibromoethane                                    | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 95-50-1  | 1,2-Dichlorobenzene                                  | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 107-06-2 | 1,2-Dichloroethane                                   | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 78-87-5  | 1,2-Dichloropropane                                  | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 108-67-8 | 1,3,5-Trimethylbenzene                               | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 541-73-1 | 1,3-Dichlorobenzene                                  | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 106-46-7 | 1,4-Dichlorobenzene                                  | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 123-91-1 | 1,4-Dioxane                                          | ND     |      | mg/kg dry | 0.054                  | 0.11   | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 78-93-3  | 2-Butanone                                           | ND     | CCVE | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 591-78-6 | 2-Hexanone                                           | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 108-10-1 | 4-Methyl-2-pentanone                                 | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |



## Sample Information

**Client Sample ID:** B-3 0-2

**York Sample ID:** 23A0373-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0373

21003-0004

Soil

January 6, 2023 1:10 pm

01/05/2023

### Volatile Organics, 8260 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.    | Parameter                 | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                                 | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|---------------------------|--------|------|-----------|------------------------|--------|----------|----------------------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 67-64-1    | Acetone                   | 0.018  | CCVE | mg/kg dry | 0.0054                 | 0.011  | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA  | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 107-02-8   | Acrolein                  | ND     |      | mg/kg dry | 0.0054                 | 0.011  | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 107-13-1   | Acrylonitrile             | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 71-43-2    | Benzene                   | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 74-97-5    | Bromochloromethane        | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 75-27-4    | Bromodichloromethane      | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 75-25-2    | Bromoform                 | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 74-83-9    | Bromomethane              | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 75-15-0    | Carbon disulfide          | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 56-23-5    | Carbon tetrachloride      | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 108-90-7   | Chlorobenzene             | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 75-00-3    | Chloroethane              | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 67-66-3    | Chloroform                | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 74-87-3    | Chloromethane             | ND     | CCVE | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 156-59-2   | cis-1,2-Dichloroethylene  | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 110-82-7   | Cyclohexane               | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 124-48-1   | Dibromochloromethane      | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 74-95-3    | Dibromomethane            | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 75-71-8    | Dichlorodifluoromethane   | ND     | CCVE | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 100-41-4   | Ethyl Benzene             | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 87-68-3    | Hexachlorobutadiene       | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 98-82-8    | Isopropylbenzene          | ND     |      | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |



## Sample Information

**Client Sample ID:** B-3 0-2

**York Sample ID:** 23A0373-05

York Project (SDG) No.  
23A0373

Client Project ID  
21003-0004

Matrix  
Soil

Collection Date/Time  
January 6, 2023 1:10 pm

Date Received  
01/05/2023

### Volatile Organics, 8260 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.              | Parameter                                  | Result | Flag             | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                                 | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------------------|--------------------------------------------|--------|------------------|-----------|------------------------|--------|----------|----------------------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 79-20-9              | Methyl acetate                             | ND     |                  | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 1634-04-4            | Methyl tert-butyl ether (MTBE)             | ND     |                  | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 108-87-2             | Methylcyclohexane                          | ND     |                  | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 75-09-2              | Methylene chloride                         | ND     |                  | mg/kg dry | 0.0054                 | 0.011  | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 104-51-8             | n-Butylbenzene                             | ND     |                  | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 103-65-1             | n-Propylbenzene                            | ND     |                  | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 95-47-6              | o-Xylene                                   | ND     |                  | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP     | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 179601-23-1          | p- & m- Xylenes                            | ND     |                  | mg/kg dry | 0.0054                 | 0.011  | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP     | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 99-87-6              | p-Isopropyltoluene                         | ND     |                  | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 135-98-8             | sec-Butylbenzene                           | ND     |                  | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 100-42-5             | Styrene                                    | ND     |                  | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 75-65-0              | tert-Butyl alcohol (TBA)                   | ND     |                  | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 98-06-6              | tert-Butylbenzene                          | ND     |                  | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 127-18-4             | Tetrachloroethylene                        | ND     |                  | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 108-88-3             | Toluene                                    | ND     |                  | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 156-60-5             | trans-1,2-Dichloroethylene                 | ND     |                  | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 10061-02-6           | trans-1,3-Dichloropropylene                | ND     |                  | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 79-01-6              | Trichloroethylene                          | ND     |                  | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 75-69-4              | Trichlorofluoromethane                     | ND     |                  | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 75-01-4              | Vinyl Chloride                             | ND     |                  | mg/kg dry | 0.0027                 | 0.0054 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| 1330-20-7            | Xylenes, Total                             | ND     |                  | mg/kg dry | 0.0080                 | 0.016  | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP     | 01/10/2023 06:29      | 01/10/2023 18:41      | JTG     |
| Surrogate Recoveries |                                            | Result | Acceptance Range |           |                        |        |          |                                                                                  |                       |                       |         |
| 17060-07-0           | Surrogate: SURRE:<br>1,2-Dichloroethane-d4 | 115 %  | 77-125           |           |                        |        |          |                                                                                  |                       |                       |         |
| 2037-26-5            | Surrogate: SURRE: Toluene-d8               | 96.6 % | 85-120           |           |                        |        |          |                                                                                  |                       |                       |         |



## Sample Information

**Client Sample ID:** B-3 0-2

**York Sample ID:** 23A0373-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0373

21003-0004

Soil

January 6, 2023 1:10 pm

01/05/2023

### Volatile Organics, 8260 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.  | Parameter                                | Result | Flag | Units | Reported to<br>LOD/MDL | LOQ | Dilution | Reference Method | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|------------------------------------------|--------|------|-------|------------------------|-----|----------|------------------|-----------------------|-----------------------|---------|
| 460-00-4 | Surrogate: SURR:<br>p-Bromofluorobenzene | 98.1 % |      |       | 76-130                 |     |          |                  |                       |                       |         |

### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.  | Parameter                             | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|---------------------------------------|--------|------|-----------|------------------------|--------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 92-52-4  | 1,1-Biphenyl                          | ND     |      | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 19:57      | KH      |
| 95-94-3  | 1,2,4,5-Tetrachlorobenzene            | ND     |      | mg/kg dry | 0.0912                 | 0.182  | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 19:57      | KH      |
| 120-82-1 | 1,2,4-Trichlorobenzene                | ND     |      | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:57      | KH      |
| 95-50-1  | 1,2-Dichlorobenzene                   | ND     |      | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP                     | 01/11/2023 08:27      | 01/12/2023 19:57      | KH      |
| 122-66-7 | 1,2-Diphenylhydrazine (as Azobenzene) | ND     |      | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 19:57      | KH      |
| 541-73-1 | 1,3-Dichlorobenzene                   | ND     |      | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP                     | 01/11/2023 08:27      | 01/12/2023 19:57      | KH      |
| 106-46-7 | 1,4-Dichlorobenzene                   | ND     |      | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP                     | 01/11/2023 08:27      | 01/12/2023 19:57      | KH      |
| 58-90-2  | 2,3,4,6-Tetrachlorophenol             | ND     |      | mg/kg dry | 0.0912                 | 0.182  | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 19:57      | KH      |
| 95-95-4  | 2,4,5-Trichlorophenol                 | ND     |      | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:57      | KH      |
| 88-06-2  | 2,4,6-Trichlorophenol                 | ND     |      | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:57      | KH      |
| 120-83-2 | 2,4-Dichlorophenol                    | ND     |      | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:57      | KH      |
| 105-67-9 | 2,4-Dimethylphenol                    | ND     |      | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:57      | KH      |
| 51-28-5  | 2,4-Dinitrophenol                     | ND     |      | mg/kg dry | 0.0912                 | 0.182  | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:57      | KH      |
| 121-14-2 | 2,4-Dinitrotoluene                    | ND     |      | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:57      | KH      |
| 606-20-2 | 2,6-Dinitrotoluene                    | ND     |      | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:57      | KH      |
| 91-58-7  | 2-Chloronaphthalene                   | ND     |      | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:57      | KH      |
| 95-57-8  | 2-Chlorophenol                        | ND     |      | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:57      | KH      |
| 91-57-6  | 2-Methylnaphthalene                   | ND     |      | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:57      | KH      |
| 95-48-7  | 2-Methylphenol                        | ND     |      | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:57      | KH      |



## Sample Information

**Client Sample ID:** B-3 0-2

**York Sample ID:** 23A0373-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0373

21003-0004

Soil

January 6, 2023 1:10 pm

01/05/2023

### Semi-Volatiles, 8270 - Comprehensive

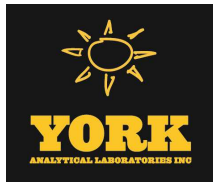
### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.    | Parameter                   | Result        | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method             | Date/Time<br>Prepared                                       | Date/Time<br>Analyzed | Analyst |
|------------|-----------------------------|---------------|------|-----------|------------------------|--------|----------|------------------------------|-------------------------------------------------------------|-----------------------|---------|
| 88-74-4    | 2-Nitroaniline              | ND            |      | mg/kg dry | 0.0912                 | 0.182  | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 19:57      | KH      |
| 88-75-5    | 2-Nitrophenol               | ND            |      | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 19:57      | KH      |
| 65794-96-9 | 3- & 4-Methylphenols        | ND            |      | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 19:57      | KH      |
| 91-94-1    | 3,3-Dichlorobenzidine       | ND            |      | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>NELAC-NY10854,NJDEP,PADEP               | 01/12/2023 19:57      | KH      |
| 99-09-2    | 3-Nitroaniline              | ND            |      | mg/kg dry | 0.0912                 | 0.182  | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 19:57      | KH      |
| 534-52-1   | 4,6-Dinitro-2-methylphenol  | ND            |      | mg/kg dry | 0.0912                 | 0.182  | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 19:57      | KH      |
| 101-55-3   | 4-Bromophenyl phenyl ether  | ND            |      | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 19:57      | KH      |
| 59-50-7    | 4-Chloro-3-methylphenol     | ND            |      | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 19:57      | KH      |
| 106-47-8   | 4-Chloroaniline             | ND            |      | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 19:57      | KH      |
| 7005-72-3  | 4-Chlorophenyl phenyl ether | ND            |      | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 19:57      | KH      |
| 100-01-6   | 4-Nitroaniline              | ND            |      | mg/kg dry | 0.0912                 | 0.182  | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 19:57      | KH      |
| 100-02-7   | 4-Nitrophenol               | ND            |      | mg/kg dry | 0.0912                 | 0.182  | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 19:57      | KH      |
| 83-32-9    | Acenaphthene                | ND            |      | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 19:57      | KH      |
| 208-96-8   | Acenaphthylene              | ND            |      | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 19:57      | KH      |
| 98-86-2    | Acetophenone                | ND            |      | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>NELAC-NY10854,NJDEP,PADEP               | 01/12/2023 19:57      | KH      |
| 62-53-3    | Aniline                     | ND            |      | mg/kg dry | 0.183                  | 0.365  | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>NELAC-NY10854,NJDEP,PADEP               | 01/12/2023 19:57      | KH      |
| 120-12-7   | <b>Anthracene</b>           | <b>0.0481</b> | J    | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 19:57      | KH      |
| 1912-24-9  | Atrazine                    | ND            |      | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>NELAC-NY10854,NJDEP,PADEP               | 01/12/2023 19:57      | KH      |
| 100-52-7   | Benzaldehyde                | ND            |      | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>NELAC-NY10854,NJDEP,PADEP               | 01/12/2023 19:57      | KH      |
| 92-87-5    | Benzidine                   | ND            |      | mg/kg dry | 0.183                  | 0.365  | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,PADEP       | 01/12/2023 19:57      | KH      |
| 56-55-3    | <b>Benzo(a)anthracene</b>   | <b>0.0889</b> | J    | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 19:57      | KH      |
| 50-32-8    | <b>Benzo(a)pyrene</b>       | <b>0.0772</b> | J    | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 19:57      | KH      |
| 205-99-2   | <b>Benzo(b)fluoranthene</b> | <b>0.0780</b> | J    | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 19:57      | KH      |





## Sample Information

**Client Sample ID:** B-3 0-2

**York Sample ID:** 23A0373-05

York Project (SDG) No.

23A0373

Client Project ID

21003-0004

Matrix

Soil

Collection Date/Time

January 6, 2023 1:10 pm

Date Received

01/05/2023

### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.  | Parameter                   | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|-----------------------------|--------|------|-----------|------------------------|--------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 191-24-2 | Benzo(g,h,i)perylene        | 0.0692 | J    | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:57      | KH      |
| 207-08-9 | Benzo(k)fluoranthene        | 0.0670 | J    | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:57      | KH      |
| 65-85-0  | Benzoic acid                | ND     |      | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 19:57      | KH      |
| 100-51-6 | Benzyl alcohol              | ND     |      | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 19:57      | KH      |
| 85-68-7  | Benzyl butyl phthalate      | ND     |      | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:57      | KH      |
| 111-91-1 | Bis(2-chloroethoxy)methane  | ND     |      | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:57      | KH      |
| 111-44-4 | Bis(2-chloroethyl)ether     | ND     |      | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:57      | KH      |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND     |      | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:57      | KH      |
| 117-81-7 | Bis(2-ethylhexyl)phthalate  | ND     |      | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:57      | KH      |
| 105-60-2 | Caprolactam                 | ND     |      | mg/kg dry | 0.0912                 | 0.182  | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 19:57      | KH      |
| 86-74-8  | Carbazole                   | ND     |      | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:57      | KH      |
| 218-01-9 | Chrysene                    | 0.0889 | J    | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:57      | KH      |
| 53-70-3  | Dibenzo(a,h)anthracene      | ND     |      | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:57      | KH      |
| 132-64-9 | Dibenzofuran                | ND     |      | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:57      | KH      |
| 84-66-2  | Diethyl phthalate           | ND     |      | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:57      | KH      |
| 131-11-3 | Dimethyl phthalate          | ND     |      | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:57      | KH      |
| 84-74-2  | Di-n-butyl phthalate        | ND     |      | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:57      | KH      |
| 117-84-0 | Di-n-octyl phthalate        | ND     |      | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:57      | KH      |
| 206-44-0 | Fluoranthene                | 0.222  |      | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:57      | KH      |
| 86-73-7  | Fluorene                    | ND     |      | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 19:57      | KH      |
| 118-74-1 | Hexachlorobenzene           | ND     |      | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:57      | KH      |
| 87-68-3  | Hexachlorobutadiene         | ND     |      | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:57      | KH      |
| 77-47-4  | Hexachlorocyclopentadiene   | ND     |      | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:57      | KH      |



## Sample Information

**Client Sample ID:** B-3 0-2

**York Sample ID:** 23A0373-05

York Project (SDG) No.  
23A0373

Client Project ID  
21003-0004

Matrix  
Soil

Collection Date/Time  
January 6, 2023 1:10 pm

Date Received  
01/05/2023

### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                                | Result        | Flag                    | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|------------------------------------------|---------------|-------------------------|-----------|------------------------|--------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 67-72-1                     | Hexachloroethane                         | ND            |                         | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:57      | KH      |
| 193-39-5                    | <b>Indeno(1,2,3-cd)pyrene</b>            | <b>0.0583</b> | J                       | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:57      | KH      |
| 78-59-1                     | Isophorone                               | ND            |                         | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:57      | KH      |
| 91-20-3                     | Naphthalene                              | ND            |                         | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:57      | KH      |
| 98-95-3                     | Nitrobenzene                             | ND            |                         | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:57      | KH      |
| 62-75-9                     | N-Nitrosodimethylamine                   | ND            |                         | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:57      | KH      |
| 621-64-7                    | N-nitroso-di-n-propylamine               | ND            |                         | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:57      | KH      |
| 86-30-6                     | N-Nitrosodiphenylamine                   | ND            |                         | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:57      | KH      |
| 87-86-5                     | Pentachlorophenol                        | ND            |                         | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:57      | KH      |
| 85-01-8                     | <b>Phenanthrene</b>                      | <b>0.196</b>  |                         | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:57      | KH      |
| 108-95-2                    | Phenol                                   | ND            |                         | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:57      | KH      |
| 129-00-0                    | <b>Pyrene</b>                            | <b>0.187</b>  |                         | mg/kg dry | 0.0457                 | 0.0912 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 19:57      | KH      |
| <b>Surrogate Recoveries</b> |                                          | <b>Result</b> | <b>Acceptance Range</b> |           |                        |        |          |                                                                      |                       |                       |         |
| 367-12-4                    | Surrogate: SURR: 2-Fluorophenol          | 54.6 %        | 20-108                  |           |                        |        |          |                                                                      |                       |                       |         |
| 4165-62-2                   | Surrogate: SURR: Phenol-d5               | 55.2 %        | 23-114                  |           |                        |        |          |                                                                      |                       |                       |         |
| 4165-60-0                   | Surrogate: SURR: Nitrobenzene-d5         | 44.5 %        | 22-108                  |           |                        |        |          |                                                                      |                       |                       |         |
| 321-60-8                    | Surrogate: SURR: 2-Fluorobiphenyl        | 56.6 %        | 21-113                  |           |                        |        |          |                                                                      |                       |                       |         |
| 118-79-6                    | Surrogate: SURR:<br>2,4,6-Tribromophenol | 45.2 %        | 19-110                  |           |                        |        |          |                                                                      |                       |                       |         |
| 1718-51-0                   | Surrogate: SURR: Terphenyl-d14           | 63.0 %        | 24-116                  |           |                        |        |          |                                                                      |                       |                       |         |

### Pesticides, 8081 target list

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units     | Reported to<br>LOQ | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|-----------|--------|------|-----------|--------------------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 72-54-8 | 4,4'-DDD  | ND     |      | mg/kg dry | 0.00176            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 20:10      | BJ      |
| 72-55-9 | 4,4'-DDE  | ND     |      | mg/kg dry | 0.00176            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 20:10      | BJ      |
| 50-29-3 | 4,4'-DDT  | ND     |      | mg/kg dry | 0.00176            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 20:10      | BJ      |





**York Sample ID:** 23A0373-05

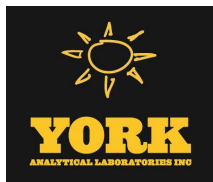
Date Received  
01/05/2023

**Sample Notes:**

[illegible]

**Sample Notes:**

| CAS No.            | Parameter | Result              | Flag | Units | Reported to<br>LOQ | Dilution           | Reference Method | Date/Time<br>Prepared   | Date/Time<br>Analyzed | Analyst |
|--------------------|-----------|---------------------|------|-------|--------------------|--------------------|------------------|-------------------------|-----------------------|---------|
| 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@         |                       |         |



## Sample Information

**Client Sample ID:** B-3 0-2

**York Sample ID:** 23A0373-05

| <u>York Project (SDG) No.</u> | <u>Client Project ID</u> | <u>Matrix</u> | <u>Collection Date/Time</u> | <u>Date Received</u> |
|-------------------------------|--------------------------|---------------|-----------------------------|----------------------|
| 23A0373                       | 21003-0004               | Soil          | January 6, 2023 1:10 pm     | 01/05/2023           |

|                             |                                 |               |                         |        |   |                              |                                                             |                  |    |
|-----------------------------|---------------------------------|---------------|-------------------------|--------|---|------------------------------|-------------------------------------------------------------|------------------|----|
| 12674-11-2                  | Aroclor 1016                    | ND            | mg/kg dry               | 0.0178 | 1 | EPA 8082A<br>Certifications: | 01/09/2023 08:49<br>NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/12/2023 22:21 | BJ |
| 11104-28-2                  | Aroclor 1221                    | ND            | mg/kg dry               | 0.0178 | 1 | EPA 8082A<br>Certifications: | 01/09/2023 08:49<br>NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/12/2023 22:21 | BJ |
| 11141-16-5                  | Aroclor 1232                    | ND            | mg/kg dry               | 0.0178 | 1 | EPA 8082A<br>Certifications: | 01/09/2023 08:49<br>NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/12/2023 22:21 | BJ |
| 53469-21-9                  | Aroclor 1242                    | ND            | mg/kg dry               | 0.0178 | 1 | EPA 8082A<br>Certifications: | 01/09/2023 08:49<br>NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/12/2023 22:21 | BJ |
| 12672-29-6                  | Aroclor 1248                    | ND            | mg/kg dry               | 0.0178 | 1 | EPA 8082A<br>Certifications: | 01/09/2023 08:49<br>NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/12/2023 22:21 | BJ |
| 11097-69-1                  | Aroclor 1254                    | ND            | mg/kg dry               | 0.0178 | 1 | EPA 8082A<br>Certifications: | 01/09/2023 08:49<br>NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/12/2023 22:21 | BJ |
| 11096-82-5                  | Aroclor 1260                    | ND            | mg/kg dry               | 0.0178 | 1 | EPA 8082A<br>Certifications: | 01/09/2023 08:49<br>NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/12/2023 22:21 | BJ |
| 37324-23-5                  | Aroclor 1262                    | ND            | mg/kg dry               | 0.0178 | 1 | EPA 8082A<br>Certifications: | 01/09/2023 08:49<br>NELAC-NY10854,NJDEP,PADEP               | 01/12/2023 22:21 | BJ |
| 11100-14-4                  | Aroclor 1268                    | ND            | mg/kg dry               | 0.0178 | 1 | EPA 8082A<br>Certifications: | 01/09/2023 08:49<br>NELAC-NY10854,NJDEP,PADEP               | 01/12/2023 22:21 | BJ |
| 1336-36-3                   | * Total PCBs                    | ND            | mg/kg dry               | 0.0178 | 1 | EPA 8082A<br>Certifications: | 01/09/2023 08:49<br>NELAC-NY10854,NJDEP,PADEP               | 01/12/2023 22:21 | BJ |
| <b>Surrogate Recoveries</b> |                                 | <b>Result</b> | <b>Acceptance Range</b> |        |   |                              |                                                             |                  |    |
| 877-09-8                    | Surrogate: Tetrachloro-m-xylene | 80.0 %        | 30-140                  |        |   |                              |                                                             |                  |    |
| 2051-24-3                   | Surrogate: Decachlorobiphenyl   | 66.5 %        | 30-140                  |        |   |                              |                                                             |                  |    |

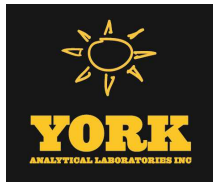
### Metals, Target Analyte

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter | Result | Flag | Units     | Reported to LOQ | Dilution | Reference Method             | Date/Time Prepared                                          | Date/Time Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|-----------------|----------|------------------------------|-------------------------------------------------------------|--------------------|---------|
| 7429-90-5 | Aluminum  | 6180   |      | mg/kg dry | 4.58            | 1        | EPA 6010D<br>Certifications: | 01/12/2023 14:08<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 16:58   | CW      |
| 7440-36-0 | Antimony  | ND     |      | mg/kg dry | 2.29            | 1        | EPA 6010D<br>Certifications: | 01/12/2023 14:08<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 16:58   | CW      |
| 7440-38-2 | Arsenic   | 2.89   |      | mg/kg dry | 1.38            | 1        | EPA 6010D<br>Certifications: | 01/12/2023 14:08<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 16:58   | CW      |
| 7440-39-3 | Barium    | 28.4   |      | mg/kg dry | 2.29            | 1        | EPA 6010D<br>Certifications: | 01/12/2023 14:08<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 16:58   | CW      |
| 7440-41-7 | Beryllium | 0.336  |      | mg/kg dry | 0.046           | 1        | EPA 6010D<br>Certifications: | 01/12/2023 14:08<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 16:58   | CW      |
| 7440-43-9 | Cadmium   | ND     |      | mg/kg dry | 0.275           | 1        | EPA 6010D<br>Certifications: | 01/12/2023 14:08<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 16:58   | CW      |
| 7440-70-2 | Calcium   | 36200  |      | mg/kg dry | 4.58            | 1        | EPA 6010D<br>Certifications: | 01/12/2023 14:08<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 16:58   | CW      |
| 7440-47-3 | Chromium  | 10.5   |      | mg/kg dry | 0.459           | 1        | EPA 6010D<br>Certifications: | 01/12/2023 14:08<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 16:58   | CW      |
| 7440-48-4 | Cobalt    | 2.20   |      | mg/kg dry | 0.366           | 1        | EPA 6010D<br>Certifications: | 01/12/2023 14:08<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 16:58   | CW      |
| 7440-50-8 | Copper    | 26.2   |      | mg/kg dry | 1.83            | 1        | EPA 6010D<br>Certifications: | 01/12/2023 14:08<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 16:58   | CW      |



## Sample Information

**Client Sample ID:** B-3 0-2

**York Sample ID:** 23A0373-05

York Project (SDG) No.

23A0373

Client Project ID

21003-0004

Matrix

Soil

Collection Date/Time

January 6, 2023 1:10 pm

Date Received

01/05/2023

### Metals, Target Analyte

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter | Result | Flag | Units     | Reported to<br>LOQ | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|--------------------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7439-89-6 | Iron      | 7490   |      | mg/kg dry | 22.9               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08      | 01/13/2023 16:58      | CW      |
| 7439-92-1 | Lead      | 152    |      | mg/kg dry | 0.459              | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08      | 01/13/2023 16:58      | CW      |
| 7439-95-4 | Magnesium | 15500  |      | mg/kg dry | 4.59               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08      | 01/13/2023 16:58      | CW      |
| 7439-96-5 | Manganese | 107    |      | mg/kg dry | 0.459              | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08      | 01/13/2023 16:58      | CW      |
| 7440-02-0 | Nickel    | 7.39   |      | mg/kg dry | 0.913              | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08      | 01/13/2023 16:58      | CW      |
| 7440-09-7 | Potassium | 274    | B    | mg/kg dry | 4.59               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08      | 01/13/2023 16:58      | CW      |
| 7782-49-2 | Selenium  | 13.5   |      | mg/kg dry | 2.29               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08      | 01/13/2023 16:58      | CW      |
| 7440-22-4 | Silver    | ND     |      | mg/kg dry | 0.462              | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08      | 01/13/2023 16:58      | CW      |
| 7440-23-5 | Sodium    | 60.5   |      | mg/kg dry | 45.8               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08      | 01/13/2023 16:58      | CW      |
| 7440-28-0 | Thallium  | ND     |      | mg/kg dry | 2.29               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08      | 01/13/2023 16:58      | CW      |
| 7440-62-2 | Vanadium  | 12.0   |      | mg/kg dry | 0.913              | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08      | 01/13/2023 16:58      | CW      |
| 7440-66-6 | Zinc      | 69.1   |      | mg/kg dry | 2.28               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08      | 01/13/2023 16:58      | CW      |

### Mercury by 7473

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 7473 soil

| CAS No.   | Parameter | Result | Flag | Units     | Reported to<br>LOQ | Dilution | Reference Method                                                    | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|--------------------|----------|---------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7439-97-6 | Mercury   | 0.0640 |      | mg/kg dry | 0.0330             | 1        | EPA 7473<br>Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP | 01/10/2023 09:21      | 01/10/2023 16:00      | MR      |

### Total Solids

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: % Solids Prep

| CAS No. | Parameter  | Result | Flag | Units | Reported to<br>LOQ | Dilution | Reference Method                          | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|------------|--------|------|-------|--------------------|----------|-------------------------------------------|-----------------------|-----------------------|---------|
| solids  | * % Solids | 90.9   |      | %     | 0.100              | 1        | SM 2540G<br>Certifications: CTDOH-PH-0723 | 01/10/2023 13:47      | 01/10/2023 16:12      | S_S     |



## Sample Information

**Client Sample ID:** B-5 0-2

**York Sample ID:** 23A0373-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0373

21003-0004

Soil

January 6, 2023 1:15 pm

01/05/2023

### Volatile Organics, 8260 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.  | Parameter                                            | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|------------------------------------------------------|--------|------|-----------|------------------------|--------|----------|------------------------------|-----------------------|-----------------------|---------|
| 630-20-6 | 1,1,1,2-Tetrachloroethane                            | ND     |      | mg/kg dry | 0.0031                 | 0.0062 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:10      | JTG     |
| 71-55-6  | 1,1,1-Trichloroethane                                | ND     |      | mg/kg dry | 0.0031                 | 0.0062 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:10      | JTG     |
| 79-34-5  | 1,1,2,2-Tetrachloroethane                            | ND     | CCVE | mg/kg dry | 0.0031                 | 0.0062 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:10      | JTG     |
| 76-13-1  | 1,1,2-Trichloro-1,2,2-trifluoroethane<br>(Freon 113) | ND     |      | mg/kg dry | 0.0031                 | 0.0062 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:10      | JTG     |
| 79-00-5  | 1,1,2-Trichloroethane                                | ND     |      | mg/kg dry | 0.0031                 | 0.0062 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:10      | JTG     |
| 75-34-3  | 1,1-Dichloroethane                                   | ND     |      | mg/kg dry | 0.0031                 | 0.0062 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:10      | JTG     |
| 75-35-4  | 1,1-Dichloroethylene                                 | ND     |      | mg/kg dry | 0.0031                 | 0.0062 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:10      | JTG     |
| 87-61-6  | 1,2,3-Trichlorobenzene                               | ND     |      | mg/kg dry | 0.0031                 | 0.0062 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:10      | JTG     |
| 96-18-4  | 1,2,3-Trichloropropane                               | ND     |      | mg/kg dry | 0.0031                 | 0.0062 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:10      | JTG     |
| 120-82-1 | 1,2,4-Trichlorobenzene                               | ND     |      | mg/kg dry | 0.0031                 | 0.0062 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:10      | JTG     |
| 95-63-6  | 1,2,4-Trimethylbenzene                               | ND     |      | mg/kg dry | 0.0031                 | 0.0062 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:10      | JTG     |
| 96-12-8  | 1,2-Dibromo-3-chloropropane                          | ND     |      | mg/kg dry | 0.0031                 | 0.0062 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:10      | JTG     |
| 106-93-4 | 1,2-Dibromoethane                                    | ND     |      | mg/kg dry | 0.0031                 | 0.0062 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:10      | JTG     |
| 95-50-1  | 1,2-Dichlorobenzene                                  | ND     |      | mg/kg dry | 0.0031                 | 0.0062 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:10      | JTG     |
| 107-06-2 | 1,2-Dichloroethane                                   | ND     |      | mg/kg dry | 0.0031                 | 0.0062 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:10      | JTG     |
| 78-87-5  | 1,2-Dichloropropane                                  | ND     |      | mg/kg dry | 0.0031                 | 0.0062 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:10      | JTG     |
| 108-67-8 | 1,3,5-Trimethylbenzene                               | ND     |      | mg/kg dry | 0.0031                 | 0.0062 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:10      | JTG     |
| 541-73-1 | 1,3-Dichlorobenzene                                  | ND     |      | mg/kg dry | 0.0031                 | 0.0062 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:10      | JTG     |
| 106-46-7 | 1,4-Dichlorobenzene                                  | ND     |      | mg/kg dry | 0.0031                 | 0.0062 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:10      | JTG     |
| 123-91-1 | 1,4-Dioxane                                          | ND     |      | mg/kg dry | 0.062                  | 0.12   | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:10      | JTG     |
| 78-93-3  | 2-Butanone                                           | ND     | CCVE | mg/kg dry | 0.0031                 | 0.0062 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:10      | JTG     |
| 591-78-6 | 2-Hexanone                                           | ND     |      | mg/kg dry | 0.0031                 | 0.0062 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:10      | JTG     |
| 108-10-1 | 4-Methyl-2-pentanone                                 | ND     |      | mg/kg dry | 0.0031                 | 0.0062 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:10      | JTG     |



## Sample Information

**Client Sample ID:** B-5 0-2

**York Sample ID:** 23A0373-06

York Project (SDG) No.

23A0373

Client Project ID

21003-0004

Matrix

Soil

Collection Date/Time

January 6, 2023 1:15 pm

Date Received

01/05/2023

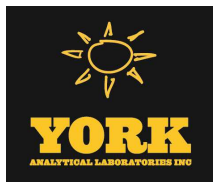
### Volatile Organics, 8260 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.    | Parameter                 | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method             | Date/Time<br>Prepared                                                   | Date/Time<br>Analyzed | Analyst |
|------------|---------------------------|--------|------|-----------|------------------------|--------|----------|------------------------------|-------------------------------------------------------------------------|-----------------------|---------|
| 67-64-1    | Acetone                   | 0.048  | CCVE | mg/kg dry | 0.0062                 | 0.012  | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA  | 01/10/2023 19:10      | JTG     |
| 107-02-8   | Acrolein                  | ND     |      | mg/kg dry | 0.0062                 | 0.012  | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 19:10      | JTG     |
| 107-13-1   | Acrylonitrile             | ND     |      | mg/kg dry | 0.0031                 | 0.0062 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 19:10      | JTG     |
| 71-43-2    | Benzene                   | ND     |      | mg/kg dry | 0.0031                 | 0.0062 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 19:10      | JTG     |
| 74-97-5    | Bromochloromethane        | ND     |      | mg/kg dry | 0.0031                 | 0.0062 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/10/2023 19:10      | JTG     |
| 75-27-4    | Bromodichloromethane      | ND     |      | mg/kg dry | 0.0031                 | 0.0062 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 19:10      | JTG     |
| 75-25-2    | Bromoform                 | ND     |      | mg/kg dry | 0.0031                 | 0.0062 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 19:10      | JTG     |
| 74-83-9    | Bromomethane              | ND     |      | mg/kg dry | 0.0031                 | 0.0062 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 19:10      | JTG     |
| 75-15-0    | Carbon disulfide          | ND     |      | mg/kg dry | 0.0031                 | 0.0062 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 19:10      | JTG     |
| 56-23-5    | Carbon tetrachloride      | ND     |      | mg/kg dry | 0.0031                 | 0.0062 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 19:10      | JTG     |
| 108-90-7   | Chlorobenzene             | ND     |      | mg/kg dry | 0.0031                 | 0.0062 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 19:10      | JTG     |
| 75-00-3    | Chloroethane              | ND     |      | mg/kg dry | 0.0031                 | 0.0062 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 19:10      | JTG     |
| 67-66-3    | Chloroform                | ND     |      | mg/kg dry | 0.0031                 | 0.0062 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 19:10      | JTG     |
| 74-87-3    | Chloromethane             | ND     | CCVE | mg/kg dry | 0.0031                 | 0.0062 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 19:10      | JTG     |
| 156-59-2   | cis-1,2-Dichloroethylene  | ND     |      | mg/kg dry | 0.0031                 | 0.0062 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 19:10      | JTG     |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND     |      | mg/kg dry | 0.0031                 | 0.0062 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 19:10      | JTG     |
| 110-82-7   | Cyclohexane               | ND     |      | mg/kg dry | 0.0031                 | 0.0062 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/10/2023 19:10      | JTG     |
| 124-48-1   | Dibromochloromethane      | ND     |      | mg/kg dry | 0.0031                 | 0.0062 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/10/2023 19:10      | JTG     |
| 74-95-3    | Dibromomethane            | ND     |      | mg/kg dry | 0.0031                 | 0.0062 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/10/2023 19:10      | JTG     |
| 75-71-8    | Dichlorodifluoromethane   | ND     | CCVE | mg/kg dry | 0.0031                 | 0.0062 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/10/2023 19:10      | JTG     |
| 100-41-4   | Ethyl Benzene             | ND     |      | mg/kg dry | 0.0031                 | 0.0062 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 19:10      | JTG     |
| 87-68-3    | Hexachlorobutadiene       | ND     |      | mg/kg dry | 0.0031                 | 0.0062 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/10/2023 19:10      | JTG     |
| 98-82-8    | Isopropylbenzene          | ND     |      | mg/kg dry | 0.0031                 | 0.0062 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 19:10      | JTG     |



## Sample Information

**Client Sample ID:** B-5 0-2

**York Sample ID:** 23A0373-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0373

21003-0004

Soil

January 6, 2023 1:15 pm

01/05/2023

### Volatile Organics, 8260 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.                     | Parameter                                               | Result        | Flag                    | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                                 | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|---------------------------------------------------------|---------------|-------------------------|-----------|------------------------|--------|----------|----------------------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 79-20-9                     | Methyl acetate                                          | ND            |                         | mg/kg dry | 0.0031                 | 0.0062 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/10/2023 06:29      | 01/10/2023 19:10      | JTG     |
| 1634-04-4                   | Methyl tert-butyl ether (MTBE)                          | ND            |                         | mg/kg dry | 0.0031                 | 0.0062 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 19:10      | JTG     |
| 108-87-2                    | Methylcyclohexane                                       | ND            |                         | mg/kg dry | 0.0031                 | 0.0062 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/10/2023 06:29      | 01/10/2023 19:10      | JTG     |
| 75-09-2                     | Methylene chloride                                      | ND            |                         | mg/kg dry | 0.0062                 | 0.012  | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 19:10      | JTG     |
| 104-51-8                    | n-Butylbenzene                                          | ND            |                         | mg/kg dry | 0.0031                 | 0.0062 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 19:10      | JTG     |
| 103-65-1                    | n-Propylbenzene                                         | ND            |                         | mg/kg dry | 0.0031                 | 0.0062 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 19:10      | JTG     |
| 95-47-6                     | <b>o-Xylene</b>                                         | <b>0.0042</b> | J                       | mg/kg dry | 0.0031                 | 0.0062 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP     | 01/10/2023 06:29      | 01/10/2023 19:10      | JTG     |
| 179601-23-1                 | <b>p- &amp; m- Xylenes</b>                              | <b>0.0098</b> | J                       | mg/kg dry | 0.0062                 | 0.012  | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP     | 01/10/2023 06:29      | 01/10/2023 19:10      | JTG     |
| 99-87-6                     | p-Isopropyltoluene                                      | ND            |                         | mg/kg dry | 0.0031                 | 0.0062 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 19:10      | JTG     |
| 135-98-8                    | sec-Butylbenzene                                        | ND            |                         | mg/kg dry | 0.0031                 | 0.0062 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 19:10      | JTG     |
| 100-42-5                    | Styrene                                                 | ND            |                         | mg/kg dry | 0.0031                 | 0.0062 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 19:10      | JTG     |
| 75-65-0                     | tert-Butyl alcohol (TBA)                                | ND            |                         | mg/kg dry | 0.0031                 | 0.0062 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/10/2023 06:29      | 01/10/2023 19:10      | JTG     |
| 98-06-6                     | tert-Butylbenzene                                       | ND            |                         | mg/kg dry | 0.0031                 | 0.0062 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 19:10      | JTG     |
| 127-18-4                    | <b>Tetrachloroethylene</b>                              | <b>0.0053</b> | J                       | mg/kg dry | 0.0031                 | 0.0062 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA  | 01/10/2023 06:29      | 01/10/2023 19:10      | JTG     |
| 108-88-3                    | <b>Toluene</b>                                          | <b>0.010</b>  |                         | mg/kg dry | 0.0031                 | 0.0062 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA  | 01/10/2023 06:29      | 01/10/2023 19:10      | JTG     |
| 156-60-5                    | trans-1,2-Dichloroethylene                              | ND            |                         | mg/kg dry | 0.0031                 | 0.0062 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 19:10      | JTG     |
| 10061-02-6                  | trans-1,3-Dichloropropylene                             | ND            |                         | mg/kg dry | 0.0031                 | 0.0062 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 19:10      | JTG     |
| 79-01-6                     | Trichloroethylene                                       | ND            |                         | mg/kg dry | 0.0031                 | 0.0062 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 19:10      | JTG     |
| 75-69-4                     | Trichlorofluoromethane                                  | ND            |                         | mg/kg dry | 0.0031                 | 0.0062 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 19:10      | JTG     |
| 75-01-4                     | Vinyl Chloride                                          | ND            |                         | mg/kg dry | 0.0031                 | 0.0062 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 19:10      | JTG     |
| 1330-20-7                   | <b>Xylenes, Total</b>                                   | <b>0.014</b>  | J                       | mg/kg dry | 0.0093                 | 0.019  | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP     | 01/10/2023 06:29      | 01/10/2023 19:10      | JTG     |
| <b>Surrogate Recoveries</b> |                                                         | <b>Result</b> | <b>Acceptance Range</b> |           |                        |        |          |                                                                                  |                       |                       |         |
| 17060-07-0                  | Surrogate: <i>SURR:</i><br><i>1,2-Dichloroethane-d4</i> | 117 %         | 77-125                  |           |                        |        |          |                                                                                  |                       |                       |         |
| 2037-26-5                   | Surrogate: <i>SURR: Toluene-d8</i>                      | 95.2 %        | 85-120                  |           |                        |        |          |                                                                                  |                       |                       |         |





## Sample Information

**Client Sample ID:** B-5 0-2

**York Sample ID:** 23A0373-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0373

21003-0004

Soil

January 6, 2023 1:15 pm

01/05/2023

### Volatile Organics, 8260 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.  | Parameter                                | Result | Flag | Units | Reported to<br>LOD/MDL | LOQ | Dilution | Reference Method | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|------------------------------------------|--------|------|-------|------------------------|-----|----------|------------------|-----------------------|-----------------------|---------|
| 460-00-4 | Surrogate: SURR:<br>p-Bromofluorobenzene | 95.3 % |      |       | 76-130                 |     |          |                  |                       |                       |         |

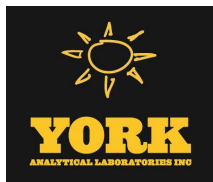
### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.  | Parameter                             | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|---------------------------------------|--------|------|-----------|------------------------|--------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 92-52-4  | 1,1-Biphenyl                          | ND     |      | mg/kg dry | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/16/2023 08:28      | 01/16/2023 17:05      | KH      |
| 95-94-3  | 1,2,4,5-Tetrachlorobenzene            | ND     |      | mg/kg dry | 0.0876                 | 0.175  | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/16/2023 08:28      | 01/16/2023 17:05      | KH      |
| 120-82-1 | 1,2,4-Trichlorobenzene                | ND     |      | mg/kg dry | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 08:28      | 01/16/2023 17:05      | KH      |
| 95-50-1  | 1,2-Dichlorobenzene                   | ND     |      | mg/kg dry | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP                     | 01/16/2023 08:28      | 01/16/2023 17:05      | KH      |
| 122-66-7 | 1,2-Diphenylhydrazine (as Azobenzene) | ND     |      | mg/kg dry | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/16/2023 08:28      | 01/16/2023 17:05      | KH      |
| 541-73-1 | 1,3-Dichlorobenzene                   | ND     |      | mg/kg dry | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP                     | 01/16/2023 08:28      | 01/16/2023 17:05      | KH      |
| 106-46-7 | 1,4-Dichlorobenzene                   | ND     |      | mg/kg dry | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP                     | 01/16/2023 08:28      | 01/16/2023 17:05      | KH      |
| 58-90-2  | 2,3,4,6-Tetrachlorophenol             | ND     |      | mg/kg dry | 0.0876                 | 0.175  | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/16/2023 08:28      | 01/16/2023 17:05      | KH      |
| 95-95-4  | 2,4,5-Trichlorophenol                 | ND     |      | mg/kg dry | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 08:28      | 01/16/2023 17:05      | KH      |
| 88-06-2  | 2,4,6-Trichlorophenol                 | ND     |      | mg/kg dry | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 08:28      | 01/16/2023 17:05      | KH      |
| 120-83-2 | 2,4-Dichlorophenol                    | ND     |      | mg/kg dry | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 08:28      | 01/16/2023 17:05      | KH      |
| 105-67-9 | 2,4-Dimethylphenol                    | ND     |      | mg/kg dry | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 08:28      | 01/16/2023 17:05      | KH      |
| 51-28-5  | 2,4-Dinitrophenol                     | ND     |      | mg/kg dry | 0.0876                 | 0.175  | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 08:28      | 01/16/2023 17:05      | KH      |
| 121-14-2 | 2,4-Dinitrotoluene                    | ND     |      | mg/kg dry | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 08:28      | 01/16/2023 17:05      | KH      |
| 606-20-2 | 2,6-Dinitrotoluene                    | ND     |      | mg/kg dry | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 08:28      | 01/16/2023 17:05      | KH      |
| 91-58-7  | 2-Chloronaphthalene                   | ND     |      | mg/kg dry | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 08:28      | 01/16/2023 17:05      | KH      |
| 95-57-8  | 2-Chlorophenol                        | ND     |      | mg/kg dry | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 08:28      | 01/16/2023 17:05      | KH      |
| 91-57-6  | 2-Methylnaphthalene                   | ND     |      | mg/kg dry | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 08:28      | 01/16/2023 17:05      | KH      |
| 95-48-7  | 2-Methylphenol                        | ND     |      | mg/kg dry | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 08:28      | 01/16/2023 17:05      | KH      |



## Sample Information

**Client Sample ID:** B-5 0-2

**York Sample ID:** 23A0373-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0373

21003-0004

Soil

January 6, 2023 1:15 pm

01/05/2023

### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.    | Parameter                   | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method             | Date/Time<br>Prepared                                       | Date/Time<br>Analyzed | Analyst |
|------------|-----------------------------|--------|------|-----------|------------------------|--------|----------|------------------------------|-------------------------------------------------------------|-----------------------|---------|
| 88-74-4    | 2-Nitroaniline              | ND     |      | mg/kg dry | 0.0876                 | 0.175  | 2        | EPA 8270D<br>Certifications: | 01/16/2023 08:28<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 17:05      | KH      |
| 88-75-5    | 2-Nitrophenol               | ND     |      | mg/kg dry | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: | 01/16/2023 08:28<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 17:05      | KH      |
| 65794-96-9 | 3- & 4-Methylphenols        | ND     |      | mg/kg dry | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: | 01/16/2023 08:28<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 17:05      | KH      |
| 91-94-1    | 3,3-Dichlorobenzidine       | ND     |      | mg/kg dry | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: | 01/16/2023 08:28<br>NELAC-NY10854,NJDEP,PADEP               | 01/16/2023 17:05      | KH      |
| 99-09-2    | 3-Nitroaniline              | ND     |      | mg/kg dry | 0.0876                 | 0.175  | 2        | EPA 8270D<br>Certifications: | 01/16/2023 08:28<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 17:05      | KH      |
| 534-52-1   | 4,6-Dinitro-2-methylphenol  | ND     |      | mg/kg dry | 0.0876                 | 0.175  | 2        | EPA 8270D<br>Certifications: | 01/16/2023 08:28<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 17:05      | KH      |
| 101-55-3   | 4-Bromophenyl phenyl ether  | ND     |      | mg/kg dry | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: | 01/16/2023 08:28<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 17:05      | KH      |
| 59-50-7    | 4-Chloro-3-methylphenol     | ND     |      | mg/kg dry | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: | 01/16/2023 08:28<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 17:05      | KH      |
| 106-47-8   | 4-Chloroaniline             | ND     |      | mg/kg dry | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: | 01/16/2023 08:28<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 17:05      | KH      |
| 7005-72-3  | 4-Chlorophenyl phenyl ether | ND     |      | mg/kg dry | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: | 01/16/2023 08:28<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 17:05      | KH      |
| 100-01-6   | 4-Nitroaniline              | ND     |      | mg/kg dry | 0.0876                 | 0.175  | 2        | EPA 8270D<br>Certifications: | 01/16/2023 08:28<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 17:05      | KH      |
| 100-02-7   | 4-Nitrophenol               | ND     |      | mg/kg dry | 0.0876                 | 0.175  | 2        | EPA 8270D<br>Certifications: | 01/16/2023 08:28<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 17:05      | KH      |
| 83-32-9    | Acenaphthene                | ND     |      | mg/kg dry | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: | 01/16/2023 08:28<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 17:05      | KH      |
| 208-96-8   | Acenaphthylene              | ND     |      | mg/kg dry | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: | 01/16/2023 08:28<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 17:05      | KH      |
| 98-86-2    | Acetophenone                | ND     |      | mg/kg dry | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: | 01/16/2023 08:28<br>NELAC-NY10854,NJDEP,PADEP               | 01/16/2023 17:05      | KH      |
| 62-53-3    | Aniline                     | ND     |      | mg/kg dry | 0.175                  | 0.351  | 2        | EPA 8270D<br>Certifications: | 01/16/2023 08:28<br>NELAC-NY10854,NJDEP,PADEP               | 01/16/2023 17:05      | KH      |
| 120-12-7   | Anthracene                  | ND     |      | mg/kg dry | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: | 01/16/2023 08:28<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 17:05      | KH      |
| 1912-24-9  | Atrazine                    | ND     |      | mg/kg dry | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: | 01/16/2023 08:28<br>NELAC-NY10854,NJDEP,PADEP               | 01/16/2023 17:05      | KH      |
| 100-52-7   | Benzaldehyde                | ND     |      | mg/kg dry | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: | 01/16/2023 08:28<br>NELAC-NY10854,NJDEP,PADEP               | 01/16/2023 17:05      | KH      |
| 92-87-5    | Benzidine                   | ND     |      | mg/kg dry | 0.175                  | 0.351  | 2        | EPA 8270D<br>Certifications: | 01/16/2023 08:28<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 17:05      | KH      |
| 56-55-3    | Benzo(a)anthracene          | ND     |      | mg/kg dry | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: | 01/16/2023 08:28<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 17:05      | KH      |
| 50-32-8    | Benzo(a)pyrene              | ND     |      | mg/kg dry | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: | 01/16/2023 08:28<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 17:05      | KH      |
| 205-99-2   | Benzo(b)fluoranthene        | ND     |      | mg/kg dry | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: | 01/16/2023 08:28<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 17:05      | KH      |





## Sample Information

**Client Sample ID:** B-5 0-2

**York Sample ID:** 23A0373-06

York Project (SDG) No.  
23A0373

Client Project ID  
21003-0004

Matrix  
Soil

Collection Date/Time  
January 6, 2023 1:15 pm

Date Received  
01/05/2023

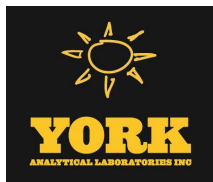
### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.  | Parameter                   | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method             | Date/Time<br>Prepared                                       | Date/Time<br>Analyzed | Analyst |
|----------|-----------------------------|--------|------|-----------|------------------------|--------|----------|------------------------------|-------------------------------------------------------------|-----------------------|---------|
| 191-24-2 | Benzo(g,h,i)perylene        | ND     |      | mg/kg dry | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: | 01/16/2023 08:28<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 17:05      | KH      |
| 207-08-9 | Benzo(k)fluoranthene        | ND     |      | mg/kg dry | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: | 01/16/2023 08:28<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 17:05      | KH      |
| 65-85-0  | Benzoic acid                | ND     |      | mg/kg dry | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: | 01/16/2023 08:28<br>NELAC-NY10854,NJDEP,PADEP               | 01/16/2023 17:05      | KH      |
| 100-51-6 | Benzyl alcohol              | ND     |      | mg/kg dry | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: | 01/16/2023 08:28<br>NELAC-NY10854,NJDEP,PADEP               | 01/16/2023 17:05      | KH      |
| 85-68-7  | Benzyl butyl phthalate      | ND     |      | mg/kg dry | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: | 01/16/2023 08:28<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 17:05      | KH      |
| 111-91-1 | Bis(2-chloroethoxy)methane  | ND     |      | mg/kg dry | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: | 01/16/2023 08:28<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 17:05      | KH      |
| 111-44-4 | Bis(2-chloroethyl)ether     | ND     |      | mg/kg dry | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: | 01/16/2023 08:28<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 17:05      | KH      |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND     |      | mg/kg dry | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: | 01/16/2023 08:28<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 17:05      | KH      |
| 117-81-7 | Bis(2-ethylhexyl)phthalate  | ND     |      | mg/kg dry | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: | 01/16/2023 08:28<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 17:05      | KH      |
| 105-60-2 | Caprolactam                 | ND     |      | mg/kg dry | 0.0876                 | 0.175  | 2        | EPA 8270D<br>Certifications: | 01/16/2023 08:28<br>NELAC-NY10854,NJDEP,PADEP               | 01/16/2023 17:05      | KH      |
| 86-74-8  | Carbazole                   | ND     |      | mg/kg dry | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: | 01/16/2023 08:28<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 17:05      | KH      |
| 218-01-9 | Chrysene                    | ND     |      | mg/kg dry | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: | 01/16/2023 08:28<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 17:05      | KH      |
| 53-70-3  | Dibenzo(a,h)anthracene      | ND     |      | mg/kg dry | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: | 01/16/2023 08:28<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 17:05      | KH      |
| 132-64-9 | Dibenzofuran                | ND     |      | mg/kg dry | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: | 01/16/2023 08:28<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 17:05      | KH      |
| 84-66-2  | Diethyl phthalate           | ND     |      | mg/kg dry | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: | 01/16/2023 08:28<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 17:05      | KH      |
| 131-11-3 | Dimethyl phthalate          | ND     |      | mg/kg dry | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: | 01/16/2023 08:28<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 17:05      | KH      |
| 84-74-2  | Di-n-butyl phthalate        | ND     |      | mg/kg dry | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: | 01/16/2023 08:28<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 17:05      | KH      |
| 117-84-0 | Di-n-octyl phthalate        | ND     |      | mg/kg dry | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: | 01/16/2023 08:28<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 17:05      | KH      |
| 206-44-0 | Fluoranthene                | ND     |      | mg/kg dry | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: | 01/16/2023 08:28<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 17:05      | KH      |
| 86-73-7  | Fluorene                    | ND     |      | mg/kg dry | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: | 01/16/2023 08:28<br>NELAC-NY10854,NJDEP,PADEP               | 01/16/2023 17:05      | KH      |
| 118-74-1 | Hexachlorobenzene           | ND     |      | mg/kg dry | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: | 01/16/2023 08:28<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 17:05      | KH      |
| 87-68-3  | Hexachlorobutadiene         | ND     |      | mg/kg dry | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: | 01/16/2023 08:28<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 17:05      | KH      |
| 77-47-4  | Hexachlorocyclopentadiene   | ND     |      | mg/kg dry | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: | 01/16/2023 08:28<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 17:05      | KH      |



## Sample Information

**Client Sample ID:** B-5 0-2

**York Sample ID:** 23A0373-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0373

21003-0004

Soil

January 6, 2023 1:15 pm

01/05/2023

### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                                | Result        | Flag | Units                   | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|------------------------------------------|---------------|------|-------------------------|------------------------|--------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 67-72-1                     | Hexachloroethane                         | ND            |      | mg/kg dry               | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 08:28      | 01/16/2023 17:05      | KH      |
| 193-39-5                    | Indeno(1,2,3-cd)pyrene                   | ND            |      | mg/kg dry               | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 08:28      | 01/16/2023 17:05      | KH      |
| 78-59-1                     | Isophorone                               | ND            |      | mg/kg dry               | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 08:28      | 01/16/2023 17:05      | KH      |
| 91-20-3                     | Naphthalene                              | ND            |      | mg/kg dry               | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 08:28      | 01/16/2023 17:05      | KH      |
| 98-95-3                     | Nitrobenzene                             | ND            |      | mg/kg dry               | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 08:28      | 01/16/2023 17:05      | KH      |
| 62-75-9                     | N-Nitrosodimethylamine                   | ND            |      | mg/kg dry               | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 08:28      | 01/16/2023 17:05      | KH      |
| 621-64-7                    | N-nitroso-di-n-propylamine               | ND            |      | mg/kg dry               | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 08:28      | 01/16/2023 17:05      | KH      |
| 86-30-6                     | N-Nitrosodiphenylamine                   | ND            |      | mg/kg dry               | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 08:28      | 01/16/2023 17:05      | KH      |
| 87-86-5                     | Pentachlorophenol                        | ND            |      | mg/kg dry               | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 08:28      | 01/16/2023 17:05      | KH      |
| 85-01-8                     | Phenanthrene                             | ND            |      | mg/kg dry               | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 08:28      | 01/16/2023 17:05      | KH      |
| 108-95-2                    | Phenol                                   | ND            |      | mg/kg dry               | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 08:28      | 01/16/2023 17:05      | KH      |
| 129-00-0                    | Pyrene                                   | ND            |      | mg/kg dry               | 0.0439                 | 0.0876 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 08:28      | 01/16/2023 17:05      | KH      |
| <b>Surrogate Recoveries</b> |                                          | <b>Result</b> |      | <b>Acceptance Range</b> |                        |        |          |                                                                      |                       |                       |         |
| 367-12-4                    | Surrogate: SURR: 2-Fluorophenol          | 34.0 %        |      |                         |                        |        |          |                                                                      |                       |                       |         |
| 4165-62-2                   | Surrogate: SURR: Phenol-d5               | 60.9 %        |      |                         |                        |        |          |                                                                      |                       |                       |         |
| 4165-60-0                   | Surrogate: SURR: Nitrobenzene-d5         | 67.3 %        |      |                         |                        |        |          |                                                                      |                       |                       |         |
| 321-60-8                    | Surrogate: SURR: 2-Fluorobiphenyl        | 67.6 %        |      |                         |                        |        |          |                                                                      |                       |                       |         |
| 118-79-6                    | Surrogate: SURR:<br>2,4,6-Tribromophenol | 1.76 %        | S-09 |                         |                        |        |          |                                                                      |                       |                       |         |
| 1718-51-0                   | Surrogate: SURR: Terphenyl-d14           | 73.8 %        |      |                         |                        |        |          |                                                                      |                       |                       |         |

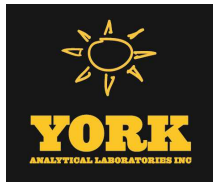
### Pesticides, 8081 target list

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.  | Parameter | Result | Flag | Units     | Reported to<br>LOQ | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|-----------|--------|------|-----------|--------------------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 72-54-8  | 4,4'-DDD  | ND     |      | mg/kg dry | 0.00173            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 20:28      | BJ      |
| 72-55-9  | 4,4'-DDE  | ND     |      | mg/kg dry | 0.00173            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 20:28      | BJ      |
| 50-29-3  | 4,4'-DDT  | ND     |      | mg/kg dry | 0.00173            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 20:28      | BJ      |
| 309-00-2 | Aldrin    | ND     |      | mg/kg dry | 0.00173            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 20:28      | BJ      |



## Sample Information

**Client Sample ID:** B-5 0-2

**York Sample ID:** 23A0373-06

York Project (SDG) No.

23A0373

Client Project ID

21003-0004

Matrix

Soil

Collection Date/Time

January 6, 2023 1:15 pm

Date Received

01/05/2023

### Pesticides, 8081 target list

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                       | Result        | Flag                    | Units     | Reported to<br>LOQ | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|-------------------------|-----------|--------------------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 319-84-6                    | alpha-BHC                       | ND            |                         | mg/kg dry | 0.00173            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 20:28      | BJ      |
| 5103-71-9                   | alpha-Chlordane                 | ND            |                         | mg/kg dry | 0.00173            | 5        | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP                     | 01/09/2023 08:49      | 01/13/2023 20:28      | BJ      |
| 319-85-7                    | beta-BHC                        | ND            |                         | mg/kg dry | 0.00173            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 20:28      | BJ      |
| 12789-03-6                  | Chlordane, total                | ND            |                         | mg/kg dry | 0.0347             | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 20:28      | BJ      |
| 319-86-8                    | delta-BHC                       | ND            |                         | mg/kg dry | 0.00173            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 20:28      | BJ      |
| 60-57-1                     | Dieldrin                        | ND            |                         | mg/kg dry | 0.00173            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 20:28      | BJ      |
| 959-98-8                    | Endosulfan I                    | ND            |                         | mg/kg dry | 0.00173            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 20:28      | BJ      |
| 33213-65-9                  | Endosulfan II                   | ND            |                         | mg/kg dry | 0.00173            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854             | 01/09/2023 08:49      | 01/13/2023 20:28      | BJ      |
| 1031-07-8                   | Endosulfan sulfate              | ND            |                         | mg/kg dry | 0.00173            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 20:28      | BJ      |
| 72-20-8                     | Endrin                          | ND            |                         | mg/kg dry | 0.00173            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 20:28      | BJ      |
| 7421-93-4                   | Endrin aldehyde                 | ND            |                         | mg/kg dry | 0.00173            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 20:28      | BJ      |
| 53494-70-5                  | Endrin ketone                   | ND            |                         | mg/kg dry | 0.00173            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 20:28      | BJ      |
| 58-89-9                     | gamma-BHC (Lindane)             | ND            |                         | mg/kg dry | 0.00173            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 20:28      | BJ      |
| 5566-34-7                   | gamma-Chlordane                 | ND            |                         | mg/kg dry | 0.00173            | 5        | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP                     | 01/09/2023 08:49      | 01/13/2023 20:28      | BJ      |
| 76-44-8                     | Heptachlor                      | ND            |                         | mg/kg dry | 0.00173            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 20:28      | BJ      |
| 1024-57-3                   | Heptachlor epoxide              | ND            |                         | mg/kg dry | 0.00173            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 20:28      | BJ      |
| 72-43-5                     | Methoxychlor                    | ND            |                         | mg/kg dry | 0.00866            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 20:28      | BJ      |
| 8001-35-2                   | Toxaphene                       | ND            |                         | mg/kg dry | 0.0877             | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 20:28      | BJ      |
| <b>Surrogate Recoveries</b> |                                 | <b>Result</b> | <b>Acceptance Range</b> |           |                    |          |                                                                      |                       |                       |         |
| 2051-24-3                   | Surrogate: Decachlorobiphenyl   | 76.4 %        | 30-150                  |           |                    |          |                                                                      |                       |                       |         |
| 877-09-8                    | Surrogate: Tetrachloro-m-xylene | 78.6 %        | 30-150                  |           |                    |          |                                                                      |                       |                       |         |

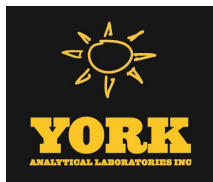
### Polychlorinated Biphenyls (PCB)

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to<br>LOQ | Dilution | Reference Method | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|-----------|--------|------|-------|--------------------|----------|------------------|-----------------------|-----------------------|---------|
|---------|-----------|--------|------|-------|--------------------|----------|------------------|-----------------------|-----------------------|---------|



## Sample Information

**Client Sample ID:** B-5 0-2

**York Sample ID:** 23A0373-06

York Project (SDG) No.  
23A0373

Client Project ID  
21003-0004

Matrix  
Soil

Collection Date/Time  
January 6, 2023 1:15 pm

Date Received  
01/05/2023

### Polychlorinated Biphenyls (PCB)

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                       | Result        | Flag                    | Units     | Reported to<br>LOQ | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|-------------------------|-----------|--------------------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 12674-11-2                  | Aroclor 1016                    | ND            |                         | mg/kg dry | 0.0175             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/09/2023 08:49      | 01/12/2023 22:35      | BJ      |
| 11104-28-2                  | Aroclor 1221                    | ND            |                         | mg/kg dry | 0.0175             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/09/2023 08:49      | 01/12/2023 22:35      | BJ      |
| 11141-16-5                  | Aroclor 1232                    | ND            |                         | mg/kg dry | 0.0175             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/09/2023 08:49      | 01/12/2023 22:35      | BJ      |
| 53469-21-9                  | Aroclor 1242                    | ND            |                         | mg/kg dry | 0.0175             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/09/2023 08:49      | 01/12/2023 22:35      | BJ      |
| 12672-29-6                  | Aroclor 1248                    | ND            |                         | mg/kg dry | 0.0175             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/09/2023 08:49      | 01/12/2023 22:35      | BJ      |
| 11097-69-1                  | Aroclor 1254                    | ND            |                         | mg/kg dry | 0.0175             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/09/2023 08:49      | 01/12/2023 22:35      | BJ      |
| 11096-82-5                  | Aroclor 1260                    | ND            |                         | mg/kg dry | 0.0175             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/09/2023 08:49      | 01/12/2023 22:35      | BJ      |
| 37324-23-5                  | Aroclor 1262                    | ND            |                         | mg/kg dry | 0.0175             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/09/2023 08:49      | 01/12/2023 22:35      | BJ      |
| 11100-14-4                  | Aroclor 1268                    | ND            |                         | mg/kg dry | 0.0175             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/09/2023 08:49      | 01/12/2023 22:35      | BJ      |
| 1336-36-3                   | * Total PCBs                    | ND            |                         | mg/kg dry | 0.0175             | 1        | EPA 8082A<br>Certifications:                                         | 01/09/2023 08:49      | 01/12/2023 22:35      | BJ      |
| <b>Surrogate Recoveries</b> |                                 | <b>Result</b> | <b>Acceptance Range</b> |           |                    |          |                                                                      |                       |                       |         |
| 877-09-8                    | Surrogate: Tetrachloro-m-xylene | 84.5 %        | 30-140                  |           |                    |          |                                                                      |                       |                       |         |
| 2051-24-3                   | Surrogate: Decachlorobiphenyl   | 72.5 %        | 30-140                  |           |                    |          |                                                                      |                       |                       |         |

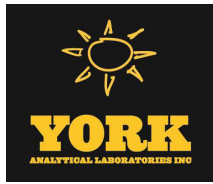
### Metals, Target Analyte

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter | Result | Flag | Units     | Reported to<br>LOQ | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|--------------------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7429-90-5 | Aluminum  | 6340   |      | mg/kg dry | 4.43               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08      | 01/13/2023 17:00      | CW      |
| 7440-36-0 | Antimony  | ND     |      | mg/kg dry | 2.22               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08      | 01/13/2023 17:00      | CW      |
| 7440-38-2 | Arsenic   | 1.69   |      | mg/kg dry | 1.33               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08      | 01/13/2023 17:00      | CW      |
| 7440-39-3 | Barium    | 127    |      | mg/kg dry | 2.21               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08      | 01/13/2023 17:00      | CW      |
| 7440-41-7 | Beryllium | 0.343  |      | mg/kg dry | 0.045              | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08      | 01/13/2023 17:00      | CW      |
| 7440-43-9 | Cadmium   | ND     |      | mg/kg dry | 0.266              | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08      | 01/13/2023 17:00      | CW      |
| 7440-70-2 | Calcium   | 35700  |      | mg/kg dry | 4.43               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08      | 01/13/2023 17:00      | CW      |



## Sample Information

**Client Sample ID:** B-5 0-2

**York Sample ID:** 23A0373-06

York Project (SDG) No.

23A0373

Client Project ID

21003-0004

Matrix

Soil

Collection Date/Time

January 6, 2023 1:15 pm

Date Received

01/05/2023

### Metals, Target Analyte

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter | Result | Flag | Units     | Reported to LOQ | Dilution | Reference Method                                                     | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|-----------------|----------|----------------------------------------------------------------------|--------------------|--------------------|---------|
| 7440-47-3 | Chromium  | 10.3   |      | mg/kg dry | 0.444           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 17:00   | CW      |
| 7440-48-4 | Cobalt    | 2.24   |      | mg/kg dry | 0.354           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 17:00   | CW      |
| 7440-50-8 | Copper    | 10.9   |      | mg/kg dry | 1.77            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 17:00   | CW      |
| 7439-89-6 | Iron      | 9620   |      | mg/kg dry | 22.2            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 17:00   | CW      |
| 7439-92-1 | Lead      | 251    |      | mg/kg dry | 0.444           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 17:00   | CW      |
| 7439-95-4 | Magnesium | 1590   |      | mg/kg dry | 4.44            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 17:00   | CW      |
| 7439-96-5 | Manganese | 106    |      | mg/kg dry | 0.444           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 17:00   | CW      |
| 7440-02-0 | Nickel    | 5.33   |      | mg/kg dry | 0.883           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 17:00   | CW      |
| 7440-09-7 | Potassium | 491    | B    | mg/kg dry | 4.44            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 17:00   | CW      |
| 7782-49-2 | Selenium  | ND     |      | mg/kg dry | 2.22            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 17:00   | CW      |
| 7440-22-4 | Silver    | ND     |      | mg/kg dry | 0.447           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 17:00   | CW      |
| 7440-23-5 | Sodium    | 175    |      | mg/kg dry | 44.3            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 17:00   | CW      |
| 7440-28-0 | Thallium  | ND     |      | mg/kg dry | 2.22            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 17:00   | CW      |
| 7440-62-2 | Vanadium  | 10.2   |      | mg/kg dry | 0.883           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 17:00   | CW      |
| 7440-66-6 | Zinc      | 130    |      | mg/kg dry | 2.21            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 17:00   | CW      |

### Mercury by 7473

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 7473 soil

| CAS No.   | Parameter | Result | Flag | Units     | Reported to LOQ | Dilution | Reference Method                                                    | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|-----------------|----------|---------------------------------------------------------------------|--------------------|--------------------|---------|
| 7439-97-6 | Mercury   | 0.239  |      | mg/kg dry | 0.0319          | 1        | EPA 7473<br>Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP | 01/10/2023 09:21   | 01/10/2023 16:09   | MR      |

### 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:** B-5 0-2

**York Sample ID:** 23A0373-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0373

21003-0004

Soil

January 6, 2023 1:15 pm

01/05/2023

### Total Solids

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: % Solids Prep

| CAS No. | Parameter  | Result | Flag | Units | Reported to<br>LOQ | Dilution | Reference Method | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|------------|--------|------|-------|--------------------|----------|------------------|-----------------------|-----------------------|---------|
| solids  | * % Solids | 94.0   |      | %     | 0.100              | 1        | SM 2540G         | 01/10/2023 13:47      | 01/10/2023 16:12      | S_S     |
|         |            |        |      |       |                    |          | Certifications:  | CTDOH-PH-0723         |                       |         |

## Sample Information

**Client Sample ID:** B-5 2-4

**York Sample ID:** 23A0373-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0373

21003-0004

Soil

January 6, 2023 1:20 pm

01/05/2023

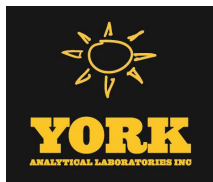
### Volatile Organics, 8260 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.  | Parameter                                            | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method | Date/Time<br>Prepared                               | Date/Time<br>Analyzed | Analyst |
|----------|------------------------------------------------------|--------|------|-----------|------------------------|--------|----------|------------------|-----------------------------------------------------|-----------------------|---------|
| 630-20-6 | 1,1,1,2-Tetrachloroethane                            | ND     |      | mg/kg dry | 0.0024                 | 0.0047 | 1        | EPA 8260C        | 01/10/2023 06:29                                    | 01/10/2023 19:38      | JTG     |
|          |                                                      |        |      |           |                        |        |          | Certifications:  | CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI |                       |         |
| 71-55-6  | 1,1,1-Trichloroethane                                | ND     |      | mg/kg dry | 0.0024                 | 0.0047 | 1        | EPA 8260C        | 01/10/2023 06:29                                    | 01/10/2023 19:38      | JTG     |
|          |                                                      |        |      |           |                        |        |          | Certifications:  | CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI |                       |         |
| 79-34-5  | 1,1,2,2-Tetrachloroethane                            | ND     | CCVE | mg/kg dry | 0.0024                 | 0.0047 | 1        | EPA 8260C        | 01/10/2023 06:29                                    | 01/10/2023 19:38      | JTG     |
|          |                                                      |        |      |           |                        |        |          | Certifications:  | CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI |                       |         |
| 76-13-1  | 1,1,2-Trichloro-1,2,2-trifluoroethane<br>(Freon 113) | ND     |      | mg/kg dry | 0.0024                 | 0.0047 | 1        | EPA 8260C        | 01/10/2023 06:29                                    | 01/10/2023 19:38      | JTG     |
|          |                                                      |        |      |           |                        |        |          | Certifications:  | CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP     |                       |         |
| 79-00-5  | 1,1,2-Trichloroethane                                | ND     |      | mg/kg dry | 0.0024                 | 0.0047 | 1        | EPA 8260C        | 01/10/2023 06:29                                    | 01/10/2023 19:38      | JTG     |
|          |                                                      |        |      |           |                        |        |          | Certifications:  | CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI |                       |         |
| 75-34-3  | 1,1-Dichloroethane                                   | ND     |      | mg/kg dry | 0.0024                 | 0.0047 | 1        | EPA 8260C        | 01/10/2023 06:29                                    | 01/10/2023 19:38      | JTG     |
|          |                                                      |        |      |           |                        |        |          | Certifications:  | CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI |                       |         |
| 75-35-4  | 1,1-Dichloroethylene                                 | ND     |      | mg/kg dry | 0.0024                 | 0.0047 | 1        | EPA 8260C        | 01/10/2023 06:29                                    | 01/10/2023 19:38      | JTG     |
|          |                                                      |        |      |           |                        |        |          | Certifications:  | CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI |                       |         |
| 87-61-6  | 1,2,3-Trichlorobenzene                               | ND     |      | mg/kg dry | 0.0024                 | 0.0047 | 1        | EPA 8260C        | 01/10/2023 06:29                                    | 01/10/2023 19:38      | JTG     |
|          |                                                      |        |      |           |                        |        |          | Certifications:  | NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             |                       |         |
| 96-18-4  | 1,2,3-Trichloropropane                               | ND     |      | mg/kg dry | 0.0024                 | 0.0047 | 1        | EPA 8260C        | 01/10/2023 06:29                                    | 01/10/2023 19:38      | JTG     |
|          |                                                      |        |      |           |                        |        |          | Certifications:  | NELAC-NY10854,NELAC-NY12058,NJDEP                   |                       |         |
| 120-82-1 | 1,2,4-Trichlorobenzene                               | ND     |      | mg/kg dry | 0.0024                 | 0.0047 | 1        | EPA 8260C        | 01/10/2023 06:29                                    | 01/10/2023 19:38      | JTG     |
|          |                                                      |        |      |           |                        |        |          | Certifications:  | NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             |                       |         |
| 95-63-6  | 1,2,4-Trimethylbenzene                               | ND     |      | mg/kg dry | 0.0024                 | 0.0047 | 1        | EPA 8260C        | 01/10/2023 06:29                                    | 01/10/2023 19:38      | JTG     |
|          |                                                      |        |      |           |                        |        |          | Certifications:  | CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI |                       |         |
| 96-12-8  | 1,2-Dibromo-3-chloropropane                          | ND     |      | mg/kg dry | 0.0024                 | 0.0047 | 1        | EPA 8260C        | 01/10/2023 06:29                                    | 01/10/2023 19:38      | JTG     |
|          |                                                      |        |      |           |                        |        |          | Certifications:  | CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI |                       |         |
| 106-93-4 | 1,2-Dibromoethane                                    | ND     |      | mg/kg dry | 0.0024                 | 0.0047 | 1        | EPA 8260C        | 01/10/2023 06:29                                    | 01/10/2023 19:38      | JTG     |
|          |                                                      |        |      |           |                        |        |          | Certifications:  | CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI |                       |         |
| 95-50-1  | 1,2-Dichlorobenzene                                  | ND     |      | mg/kg dry | 0.0024                 | 0.0047 | 1        | EPA 8260C        | 01/10/2023 06:29                                    | 01/10/2023 19:38      | JTG     |
|          |                                                      |        |      |           |                        |        |          | Certifications:  | CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI |                       |         |



## Sample Information

**Client Sample ID:** B-5 2-4

**York Sample ID:** 23A0373-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0373

21003-0004

Soil

January 6, 2023 1:20 pm

01/05/2023

### Volatile Organics, 8260 - Comprehensive

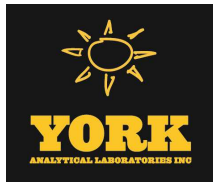
### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.  | Parameter              | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|------------------------|--------|------|-----------|------------------------|--------|----------|------------------------------|-----------------------|-----------------------|---------|
| 107-06-2 | 1,2-Dichloroethane     | ND     |      | mg/kg dry | 0.0024                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:38      | JTG     |
| 78-87-5  | 1,2-Dichloropropane    | ND     |      | mg/kg dry | 0.0024                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:38      | JTG     |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND     |      | mg/kg dry | 0.0024                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:38      | JTG     |
| 541-73-1 | 1,3-Dichlorobenzene    | ND     |      | mg/kg dry | 0.0024                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:38      | JTG     |
| 106-46-7 | 1,4-Dichlorobenzene    | ND     |      | mg/kg dry | 0.0024                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:38      | JTG     |
| 123-91-1 | 1,4-Dioxane            | ND     |      | mg/kg dry | 0.047                  | 0.094  | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:38      | JTG     |
| 78-93-3  | 2-Butanone             | ND     | CCVE | mg/kg dry | 0.0024                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:38      | JTG     |
| 591-78-6 | 2-Hexanone             | ND     |      | mg/kg dry | 0.0024                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:38      | JTG     |
| 108-10-1 | 4-Methyl-2-pentanone   | ND     |      | mg/kg dry | 0.0024                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:38      | JTG     |
| 67-64-1  | Acetone                | ND     |      | mg/kg dry | 0.0047                 | 0.0094 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:38      | JTG     |
| 107-02-8 | Acrolein               | ND     |      | mg/kg dry | 0.0047                 | 0.0094 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:38      | JTG     |
| 107-13-1 | Acrylonitrile          | ND     |      | mg/kg dry | 0.0024                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:38      | JTG     |
| 71-43-2  | Benzene                | ND     |      | mg/kg dry | 0.0024                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:38      | JTG     |
| 74-97-5  | Bromochloromethane     | ND     |      | mg/kg dry | 0.0024                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:38      | JTG     |
| 75-27-4  | Bromodichloromethane   | ND     |      | mg/kg dry | 0.0024                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:38      | JTG     |
| 75-25-2  | Bromoform              | ND     |      | mg/kg dry | 0.0024                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:38      | JTG     |
| 74-83-9  | Bromomethane           | ND     |      | mg/kg dry | 0.0024                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:38      | JTG     |
| 75-15-0  | Carbon disulfide       | ND     |      | mg/kg dry | 0.0024                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:38      | JTG     |
| 56-23-5  | Carbon tetrachloride   | ND     |      | mg/kg dry | 0.0024                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:38      | JTG     |
| 108-90-7 | Chlorobenzene          | ND     |      | mg/kg dry | 0.0024                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:38      | JTG     |
| 75-00-3  | Chloroethane           | ND     |      | mg/kg dry | 0.0024                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:38      | JTG     |
| 67-66-3  | Chloroform             | ND     |      | mg/kg dry | 0.0024                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:38      | JTG     |
| 74-87-3  | Chloromethane          | ND     | CCVE | mg/kg dry | 0.0024                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:38      | JTG     |





## Sample Information

**Client Sample ID:** B-5 2-4

**York Sample ID:** 23A0373-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0373

21003-0004

Soil

January 6, 2023 1:20 pm

01/05/2023

### Volatile Organics, 8260 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.     | Parameter                      | Result        | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-------------|--------------------------------|---------------|------|-----------|------------------------|--------|----------|------------------------------|-----------------------|-----------------------|---------|
| 156-59-2    | cis-1,2-Dichloroethylene       | ND            |      | mg/kg dry | 0.0024                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:38      | JTG     |
| 10061-01-5  | cis-1,3-Dichloropropylene      | ND            |      | mg/kg dry | 0.0024                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:38      | JTG     |
| 110-82-7    | Cyclohexane                    | ND            |      | mg/kg dry | 0.0024                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:38      | JTG     |
| 124-48-1    | Dibromochloromethane           | ND            |      | mg/kg dry | 0.0024                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:38      | JTG     |
| 74-95-3     | Dibromomethane                 | ND            |      | mg/kg dry | 0.0024                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:38      | JTG     |
| 75-71-8     | Dichlorodifluoromethane        | ND            | CCVE | mg/kg dry | 0.0024                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:38      | JTG     |
| 100-41-4    | Ethyl Benzene                  | ND            |      | mg/kg dry | 0.0024                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:38      | JTG     |
| 87-68-3     | Hexachlorobutadiene            | ND            |      | mg/kg dry | 0.0024                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:38      | JTG     |
| 98-82-8     | Isopropylbenzene               | ND            |      | mg/kg dry | 0.0024                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:38      | JTG     |
| 79-20-9     | Methyl acetate                 | ND            |      | mg/kg dry | 0.0024                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:38      | JTG     |
| 1634-04-4   | Methyl tert-butyl ether (MTBE) | ND            |      | mg/kg dry | 0.0024                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:38      | JTG     |
| 108-87-2    | Methylcyclohexane              | ND            |      | mg/kg dry | 0.0024                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:38      | JTG     |
| 75-09-2     | Methylene chloride             | ND            |      | mg/kg dry | 0.0047                 | 0.0094 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:38      | JTG     |
| 104-51-8    | n-Butylbenzene                 | ND            |      | mg/kg dry | 0.0024                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:38      | JTG     |
| 103-65-1    | n-Propylbenzene                | ND            |      | mg/kg dry | 0.0024                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:38      | JTG     |
| 95-47-6     | <b>o-Xylene</b>                | <b>0.0027</b> | J    | mg/kg dry | 0.0024                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:38      | JTG     |
| 179601-23-1 | <b>p- &amp; m- Xylenes</b>     | <b>0.0055</b> | J    | mg/kg dry | 0.0047                 | 0.0094 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:38      | JTG     |
| 99-87-6     | p-Isopropyltoluene             | ND            |      | mg/kg dry | 0.0024                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:38      | JTG     |
| 135-98-8    | sec-Butylbenzene               | ND            |      | mg/kg dry | 0.0024                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:38      | JTG     |
| 100-42-5    | Styrene                        | ND            |      | mg/kg dry | 0.0024                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:38      | JTG     |
| 75-65-0     | tert-Butyl alcohol (TBA)       | ND            |      | mg/kg dry | 0.0024                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:38      | JTG     |
| 98-06-6     | tert-Butylbenzene              | ND            |      | mg/kg dry | 0.0024                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:38      | JTG     |
| 127-18-4    | Tetrachloroethylene            | ND            |      | mg/kg dry | 0.0024                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 19:38      | JTG     |





## Sample Information

**Client Sample ID:** B-5 2-4

**York Sample ID:** 23A0373-07

York Project (SDG) No.  
23A0373

Client Project ID  
21003-0004

Matrix  
Soil

Collection Date/Time  
January 6, 2023 1:20 pm

Date Received  
01/05/2023

### Volatile Organics, 8260 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.              | Parameter                                 | Result | Flag             | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                                 | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------------------|-------------------------------------------|--------|------------------|-----------|------------------------|--------|----------|----------------------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 108-88-3             | Toluene                                   | 0.0031 | J                | mg/kg dry | 0.0024                 | 0.0047 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA  | 01/10/2023 06:29      | 01/10/2023 19:38      | JTG     |
| 156-60-5             | trans-1,2-Dichloroethylene                | ND     |                  | mg/kg dry | 0.0024                 | 0.0047 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 19:38      | JTG     |
| 10061-02-6           | trans-1,3-Dichloropropylene               | ND     |                  | mg/kg dry | 0.0024                 | 0.0047 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 19:38      | JTG     |
| 79-01-6              | Trichloroethylene                         | ND     |                  | mg/kg dry | 0.0024                 | 0.0047 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 19:38      | JTG     |
| 75-69-4              | Trichlorofluoromethane                    | ND     |                  | mg/kg dry | 0.0024                 | 0.0047 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 19:38      | JTG     |
| 75-01-4              | Vinyl Chloride                            | ND     |                  | mg/kg dry | 0.0024                 | 0.0047 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 19:38      | JTG     |
| 1330-20-7            | Xylenes, Total                            | 0.0082 | J                | mg/kg dry | 0.0071                 | 0.014  | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP     | 01/10/2023 06:29      | 01/10/2023 19:38      | JTG     |
| Surrogate Recoveries |                                           | Result | Acceptance Range |           |                        |        |          |                                                                                  |                       |                       |         |
| 17060-07-0           | Surrogate: SURR:<br>1,2-Dichloroethane-d4 | 117 %  | 77-125           |           |                        |        |          |                                                                                  |                       |                       |         |
| 2037-26-5            | Surrogate: SURR: Toluene-d8               | 95.9 % | 85-120           |           |                        |        |          |                                                                                  |                       |                       |         |
| 460-00-4             | Surrogate: SURR:<br>p-Bromofluorobenzene  | 93.3 % | 76-130           |           |                        |        |          |                                                                                  |                       |                       |         |

### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.  | Parameter                             | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|---------------------------------------|--------|------|-----------|------------------------|--------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 92-52-4  | 1,1-Biphenyl                          | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 20:57      | KH      |
| 95-94-3  | 1,2,4,5-Tetrachlorobenzene            | ND     |      | mg/kg dry | 0.0848                 | 0.169  | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 20:57      | KH      |
| 120-82-1 | 1,2,4-Trichlorobenzene                | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 20:57      | KH      |
| 95-50-1  | 1,2-Dichlorobenzene                   | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP                     | 01/11/2023 08:27      | 01/12/2023 20:57      | KH      |
| 122-66-7 | 1,2-Diphenylhydrazine (as Azobenzene) | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 20:57      | KH      |
| 541-73-1 | 1,3-Dichlorobenzene                   | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP                     | 01/11/2023 08:27      | 01/12/2023 20:57      | KH      |
| 106-46-7 | 1,4-Dichlorobenzene                   | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP                     | 01/11/2023 08:27      | 01/12/2023 20:57      | KH      |
| 58-90-2  | 2,3,4,6-Tetrachlorophenol             | ND     |      | mg/kg dry | 0.0848                 | 0.169  | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 20:57      | KH      |
| 95-95-4  | 2,4,5-Trichlorophenol                 | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 20:57      | KH      |
| 88-06-2  | 2,4,6-Trichlorophenol                 | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 20:57      | KH      |



## Sample Information

**Client Sample ID:** B-5 2-4

**York Sample ID:** 23A0373-07

York Project (SDG) No.  
23A0373

Client Project ID  
21003-0004

Matrix  
Soil

Collection Date/Time  
January 6, 2023 1:20 pm

Date Received  
01/05/2023

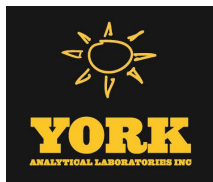
### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.    | Parameter                   | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method             | Date/Time<br>Prepared                                       | Date/Time<br>Analyzed | Analyst |
|------------|-----------------------------|--------|------|-----------|------------------------|--------|----------|------------------------------|-------------------------------------------------------------|-----------------------|---------|
| 120-83-2   | 2,4-Dichlorophenol          | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 20:57      | KH      |
| 105-67-9   | 2,4-Dimethylphenol          | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 20:57      | KH      |
| 51-28-5    | 2,4-Dinitrophenol           | ND     |      | mg/kg dry | 0.0848                 | 0.169  | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 20:57      | KH      |
| 121-14-2   | 2,4-Dinitrotoluene          | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 20:57      | KH      |
| 606-20-2   | 2,6-Dinitrotoluene          | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 20:57      | KH      |
| 91-58-7    | 2-Chloronaphthalene         | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 20:57      | KH      |
| 95-57-8    | 2-Chlorophenol              | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 20:57      | KH      |
| 91-57-6    | 2-Methylnaphthalene         | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 20:57      | KH      |
| 95-48-7    | 2-Methylphenol              | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 20:57      | KH      |
| 88-74-4    | 2-Nitroaniline              | ND     |      | mg/kg dry | 0.0848                 | 0.169  | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 20:57      | KH      |
| 88-75-5    | 2-Nitrophenol               | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 20:57      | KH      |
| 65794-96-9 | 3- & 4-Methylphenols        | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 20:57      | KH      |
| 91-94-1    | 3,3-Dichlorobenzidine       | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>NELAC-NY10854,NJDEP,PADEP               | 01/12/2023 20:57      | KH      |
| 99-09-2    | 3-Nitroaniline              | ND     |      | mg/kg dry | 0.0848                 | 0.169  | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 20:57      | KH      |
| 534-52-1   | 4,6-Dinitro-2-methylphenol  | ND     |      | mg/kg dry | 0.0848                 | 0.169  | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 20:57      | KH      |
| 101-55-3   | 4-Bromophenyl phenyl ether  | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 20:57      | KH      |
| 59-50-7    | 4-Chloro-3-methylphenol     | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 20:57      | KH      |
| 106-47-8   | 4-Chloroaniline             | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 20:57      | KH      |
| 7005-72-3  | 4-Chlorophenyl phenyl ether | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 20:57      | KH      |
| 100-01-6   | 4-Nitroaniline              | ND     |      | mg/kg dry | 0.0848                 | 0.169  | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 20:57      | KH      |
| 100-02-7   | 4-Nitrophenol               | ND     |      | mg/kg dry | 0.0848                 | 0.169  | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 20:57      | KH      |
| 83-32-9    | Acenaphthene                | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 20:57      | KH      |
| 208-96-8   | Acenaphthylene              | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 20:57      | KH      |



## Sample Information

**Client Sample ID:** B-5 2-4

**York Sample ID:** 23A0373-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0373

21003-0004

Soil

January 6, 2023 1:20 pm

01/05/2023

### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.   | Parameter                   | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------------------------|--------|------|-----------|------------------------|--------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 98-86-2   | Acetophenone                | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 20:57      | KH      |
| 62-53-3   | Aniline                     | ND     |      | mg/kg dry | 0.170                  | 0.340  | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 20:57      | KH      |
| 120-12-7  | Anthracene                  | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 20:57      | KH      |
| 1912-24-9 | Atrazine                    | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 20:57      | KH      |
| 100-52-7  | Benzaldehyde                | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 20:57      | KH      |
| 92-87-5   | Benzidine                   | ND     |      | mg/kg dry | 0.170                  | 0.340  | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,PADEP       | 01/11/2023 08:27      | 01/12/2023 20:57      | KH      |
| 56-55-3   | Benzo(a)anthracene          | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 20:57      | KH      |
| 50-32-8   | Benzo(a)pyrene              | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 20:57      | KH      |
| 205-99-2  | Benzo(b)fluoranthene        | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 20:57      | KH      |
| 191-24-2  | Benzo(g,h,i)perylene        | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 20:57      | KH      |
| 207-08-9  | Benzo(k)fluoranthene        | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 20:57      | KH      |
| 65-85-0   | Benzoic acid                | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 20:57      | KH      |
| 100-51-6  | Benzyl alcohol              | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 20:57      | KH      |
| 85-68-7   | Benzyl butyl phthalate      | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 20:57      | KH      |
| 111-91-1  | Bis(2-chloroethoxy)methane  | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 20:57      | KH      |
| 111-44-4  | Bis(2-chloroethyl)ether     | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 20:57      | KH      |
| 108-60-1  | Bis(2-chloroisopropyl)ether | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 20:57      | KH      |
| 117-81-7  | Bis(2-ethylhexyl)phthalate  | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 20:57      | KH      |
| 105-60-2  | Caprolactam                 | ND     |      | mg/kg dry | 0.0848                 | 0.169  | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 20:57      | KH      |
| 86-74-8   | Carbazole                   | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 20:57      | KH      |
| 218-01-9  | Chrysene                    | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 20:57      | KH      |
| 53-70-3   | Dibenzo(a,h)anthracene      | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 20:57      | KH      |
| 132-64-9  | Dibenzofuran                | ND     |      | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 20:57      | KH      |



## Sample Information

**Client Sample ID:** B-5 2-4

**York Sample ID:** 23A0373-07

York Project (SDG) No.  
23A0373

Client Project ID  
21003-0004

Matrix  
Soil

Collection Date/Time  
January 6, 2023 1:20 pm

Date Received  
01/05/2023

### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.              | Parameter                        | Result | Flag             | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------------------|----------------------------------|--------|------------------|-----------|------------------------|--------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 84-66-2              | Diethyl phthalate                | ND     |                  | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 20:57      | KH      |
| 131-11-3             | Dimethyl phthalate               | ND     |                  | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 20:57      | KH      |
| 84-74-2              | Di-n-butyl phthalate             | ND     |                  | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 20:57      | KH      |
| 117-84-0             | Di-n-octyl phthalate             | ND     |                  | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 20:57      | KH      |
| 206-44-0             | Fluoranthene                     | ND     |                  | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 20:57      | KH      |
| 86-73-7              | Fluorene                         | ND     |                  | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 20:57      | KH      |
| 118-74-1             | Hexachlorobenzene                | ND     |                  | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 20:57      | KH      |
| 87-68-3              | Hexachlorobutadiene              | ND     |                  | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 20:57      | KH      |
| 77-47-4              | Hexachlorocyclopentadiene        | ND     |                  | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 20:57      | KH      |
| 67-72-1              | Hexachloroethane                 | ND     |                  | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 20:57      | KH      |
| 193-39-5             | Indeno(1,2,3-cd)pyrene           | ND     |                  | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 20:57      | KH      |
| 78-59-1              | Isophorone                       | ND     |                  | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 20:57      | KH      |
| 91-20-3              | Naphthalene                      | ND     |                  | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 20:57      | KH      |
| 98-95-3              | Nitrobenzene                     | ND     |                  | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 20:57      | KH      |
| 62-75-9              | N-Nitrosodimethylamine           | ND     |                  | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 20:57      | KH      |
| 621-64-7             | N-nitroso-di-n-propylamine       | ND     |                  | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 20:57      | KH      |
| 86-30-6              | N-Nitrosodiphenylamine           | ND     |                  | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 20:57      | KH      |
| 87-86-5              | Pentachlorophenol                | ND     |                  | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 20:57      | KH      |
| 85-01-8              | Phenanthrene                     | ND     |                  | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 20:57      | KH      |
| 108-95-2             | Phenol                           | ND     |                  | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 20:57      | KH      |
| 129-00-0             | Pyrene                           | ND     |                  | mg/kg dry | 0.0425                 | 0.0848 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 20:57      | KH      |
| Surrogate Recoveries |                                  | Result | Acceptance Range |           |                        |        |          |                                                                      |                       |                       |         |
| 367-12-4             | Surrogate: SURR: 2-Fluorophenol  | 60.5 % | 20-108           |           |                        |        |          |                                                                      |                       |                       |         |
| 4165-62-2            | Surrogate: SURR: Phenol-d5       | 61.3 % | 23-114           |           |                        |        |          |                                                                      |                       |                       |         |
| 4165-60-0            | Surrogate: SURR: Nitrobenzene-d5 | 42.6 % | 22-108           |           |                        |        |          |                                                                      |                       |                       |         |



## Sample Information

**Client Sample ID:** B-5 2-4

**York Sample ID:** 23A0373-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0373

21003-0004

Soil

January 6, 2023 1:20 pm

01/05/2023

### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.   | Parameter                                | Result | Flag | Units | Reported to<br>LOD/MDL | LOQ | Dilution | Reference Method | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|------------------------------------------|--------|------|-------|------------------------|-----|----------|------------------|-----------------------|-----------------------|---------|
| 321-60-8  | Surrogate: SURR: 2-Fluorobiphenyl        | 60.6 % |      |       | 21-113                 |     |          |                  |                       |                       |         |
| 118-79-6  | Surrogate: SURR:<br>2,4,6-Tribromophenol | 59.2 % |      |       | 19-110                 |     |          |                  |                       |                       |         |
| 1718-51-0 | Surrogate: SURR: Terphenyl-d14           | 72.2 % |      |       | 24-116                 |     |          |                  |                       |                       |         |

### Pesticides, 8081 target list

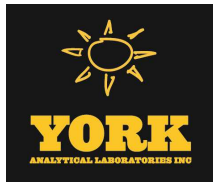
### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.    | Parameter           | Result | Flag | Units     | Reported to<br>LOQ | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|---------------------|--------|------|-----------|--------------------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 72-54-8    | 4,4'-DDD            | ND     |      | mg/kg dry | 0.00168            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 20:46      | BJ      |
| 72-55-9    | 4,4'-DDE            | ND     |      | mg/kg dry | 0.00168            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 20:46      | BJ      |
| 50-29-3    | 4,4'-DDT            | ND     |      | mg/kg dry | 0.00168            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 20:46      | BJ      |
| 309-00-2   | Aldrin              | ND     |      | mg/kg dry | 0.00168            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 20:46      | BJ      |
| 319-84-6   | alpha-BHC           | ND     |      | mg/kg dry | 0.00168            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 20:46      | BJ      |
| 5103-71-9  | alpha-Chlordane     | ND     |      | mg/kg dry | 0.00168            | 5        | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP                     | 01/09/2023 08:49      | 01/13/2023 20:46      | BJ      |
| 319-85-7   | beta-BHC            | ND     |      | mg/kg dry | 0.00168            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 20:46      | BJ      |
| 12789-03-6 | Chlordane, total    | ND     |      | mg/kg dry | 0.0336             | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 20:46      | BJ      |
| 319-86-8   | delta-BHC           | ND     |      | mg/kg dry | 0.00168            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 20:46      | BJ      |
| 60-57-1    | Dieldrin            | ND     |      | mg/kg dry | 0.00168            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 20:46      | BJ      |
| 959-98-8   | Endosulfan I        | ND     |      | mg/kg dry | 0.00168            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 20:46      | BJ      |
| 33213-65-9 | Endosulfan II       | ND     |      | mg/kg dry | 0.00168            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854             | 01/09/2023 08:49      | 01/13/2023 20:46      | BJ      |
| 1031-07-8  | Endosulfan sulfate  | ND     |      | mg/kg dry | 0.00168            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 20:46      | BJ      |
| 72-20-8    | Endrin              | ND     |      | mg/kg dry | 0.00168            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 20:46      | BJ      |
| 7421-93-4  | Endrin aldehyde     | ND     |      | mg/kg dry | 0.00168            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 20:46      | BJ      |
| 53494-70-5 | Endrin ketone       | ND     |      | mg/kg dry | 0.00168            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 20:46      | BJ      |
| 58-89-9    | gamma-BHC (Lindane) | ND     |      | mg/kg dry | 0.00168            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 20:46      | BJ      |
| 5566-34-7  | gamma-Chlordane     | ND     |      | mg/kg dry | 0.00168            | 5        | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP                     | 01/09/2023 08:49      | 01/13/2023 20:46      | BJ      |





## Sample Information

**Client Sample ID:** B-5 2-4

**York Sample ID:** 23A0373-07

| <u>York Project (SDG) No.</u> | <u>Client Project ID</u> | <u>Matrix</u> | <u>Collection Date/Time</u> | <u>Date Received</u> |
|-------------------------------|--------------------------|---------------|-----------------------------|----------------------|
| 23A0373                       | 21003-0004               | Soil          | January 6, 2023 1:20 pm     | 01/05/2023           |

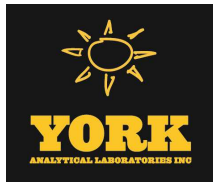
|           |           |       |           |       |   |                 |                                         |                  |    |
|-----------|-----------|-------|-----------|-------|---|-----------------|-----------------------------------------|------------------|----|
| 7429-90-5 | Aluminum  | 2010  | mg/kg dry | 4.26  | 1 | EPA 6010D       | 01/12/2023 14:08                        | 01/13/2023 17:03 | CW |
|           |           |       |           |       |   | Certifications: | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                  |    |
| 7440-36-0 | Antimony  | ND    | mg/kg dry | 2.13  | 1 | EPA 6010D       | 01/12/2023 14:08                        | 01/13/2023 17:03 | CW |
|           |           |       |           |       |   | Certifications: | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                  |    |
| 7440-38-2 | Arsenic   | ND    | mg/kg dry | 1.28  | 1 | EPA 6010D       | 01/12/2023 14:08                        | 01/13/2023 17:03 | CW |
|           |           |       |           |       |   | Certifications: | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                  |    |
| 7440-39-3 | Barium    | 6.37  | mg/kg dry | 2.13  | 1 | EPA 6010D       | 01/12/2023 14:08                        | 01/13/2023 17:03 | CW |
|           |           |       |           |       |   | Certifications: | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                  |    |
| 7440-41-7 | Beryllium | 0.149 | mg/kg dry | 0.043 | 1 | EPA 6010D       | 01/12/2023 14:08                        | 01/13/2023 17:03 | CW |
|           |           |       |           |       |   | Certifications: | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                  |    |
| 7440-43-9 | Cadmium   | ND    | mg/kg dry | 0.256 | 1 | EPA 6010D       | 01/12/2023 14:08                        | 01/13/2023 17:03 | CW |
|           |           |       |           |       |   | Certifications: | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                  |    |
| 7440-70-2 | Calcium   | 460   | mg/kg dry | 4.27  | 1 | EPA 6010D       | 01/12/2023 14:08                        | 01/13/2023 17:03 | CW |
|           |           |       |           |       |   | Certifications: | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                  |    |
| 7440-47-3 | Chromium  | 3.60  | mg/kg dry | 0.427 | 1 | EPA 6010D       | 01/12/2023 14:08                        | 01/13/2023 17:03 | CW |
|           |           |       |           |       |   | Certifications: | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                  |    |
| 7440-48-4 | Cobalt    | 1.13  | mg/kg dry | 0.341 | 1 | EPA 6010D       | 01/12/2023 14:08                        | 01/13/2023 17:03 | CW |
|           |           |       |           |       |   | Certifications: | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                  |    |
| 7440-50-8 | Copper    | 2.07  | mg/kg dry | 1.71  | 1 | EPA 6010D       | 01/12/2023 14:08                        | 01/13/2023 17:03 | CW |
|           |           |       |           |       |   | Certifications: | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                  |    |
| 7439-89-6 | Iron      | 3570  | mg/kg dry | 21.3  | 1 | EPA 6010D       | 01/12/2023 14:08                        | 01/13/2023 17:03 | CW |
|           |           |       |           |       |   | Certifications: | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                  |    |
| 7439-92-1 | Lead      | 6.63  | mg/kg dry | 0.427 | 1 | EPA 6010D       | 01/12/2023 14:08                        | 01/13/2023 17:03 | CW |
|           |           |       |           |       |   | Certifications: | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                  |    |
| 7439-95-4 | Magnesium | 228   | mg/kg dry | 4.27  | 1 | EPA 6010D       | 01/12/2023 14:08                        | 01/13/2023 17:03 | CW |
|           |           |       |           |       |   | Certifications: | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                  |    |
| 7439-96-5 | Manganese | 29.2  | mg/kg dry | 0.427 | 1 | EPA 6010D       | 01/12/2023 14:08                        | 01/13/2023 17:03 | CW |
|           |           |       |           |       |   | Certifications: | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                  |    |
| 7440-02-0 | Nickel    | 2.32  | mg/kg dry | 0.850 | 1 | EPA 6010D       | 01/12/2023 14:08                        | 01/13/2023 17:03 | CW |
|           |           |       |           |       |   | Certifications: | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                  |    |
| 7440-09-7 | Potassium | 202   | mg/kg dry | 4.27  | 1 | EPA 6010D       | 01/12/2023 14:08                        | 01/13/2023 17:03 | CW |
|           |           |       |           |       |   | Certifications: | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                  |    |
| 7782-49-2 | Selenium  | ND    | mg/kg dry | 2.13  | 1 | EPA 6010D       | 01/12/2023 14:08                        | 01/13/2023 17:03 | CW |
|           |           |       |           |       |   | Certifications: | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                  |    |
| 7440-22-4 | Silver    | ND    | mg/kg dry | 0.430 | 1 | EPA 6010D       | 01/12/2023 14:08                        | 01/13/2023 17:03 | CW |
|           |           |       |           |       |   | Certifications: | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                  |    |
| 7440-23-5 | Sodium    | ND    | mg/kg dry | 42.7  | 1 | EPA 6010D       | 01/12/2023 14:08                        | 01/13/2023 17:03 | CW |
|           |           |       |           |       |   | Certifications: | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                  |    |
| 7440-28-0 | Thallium  | ND    | mg/kg dry | 2.13  | 1 | EPA 6010D       | 01/12/2023 14:08                        | 01/13/2023 17:03 | CW |
|           |           |       |           |       |   | Certifications: | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                  |    |
| 7440-62-2 | Vanadium  | 4.80  | mg/kg dry | 0.850 | 1 | EPA 6010D       | 01/12/2023 14:08                        | 01/13/2023 17:03 | CW |
|           |           |       |           |       |   | Certifications: | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                  |    |
| 7440-66-6 | Zinc      | 6.71  | mg/kg dry | 2.12  | 1 | EPA 6010D       | 01/12/2023 14:08                        | 01/13/2023 17:03 | CW |
|           |           |       |           |       |   | Certifications: | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                  |    |

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**





## Sample Information

**Client Sample ID:** B-5 2-4

**York Sample ID:** 23A0373-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0373

21003-0004

Soil

January 6, 2023 1:20 pm

01/05/2023

Sample Prepared by Method: EPA 7473 soil

| CAS No.   | Parameter | Result | Flag | Units     | Reported to<br>LOQ | Dilution | Reference Method                                                    | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|--------------------|----------|---------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7439-97-6 | Mercury   | ND     |      | mg/kg dry | 0.0307             | 1        | EPA 7473<br>Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP | 01/10/2023 09:24      | 01/10/2023 11:32      | MR      |

### Total Solids

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: % Solids Prep

| CAS No. | Parameter  | Result | Flag | Units | Reported to<br>LOQ | Dilution | Reference Method                          | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|------------|--------|------|-------|--------------------|----------|-------------------------------------------|-----------------------|-----------------------|---------|
| solids  | * % Solids | 97.7   |      | %     | 0.100              | 1        | SM 2540G<br>Certifications: CTDOH-PH-0723 | 01/10/2023 13:47      | 01/10/2023 16:12      | S_S     |

## Sample Information

**Client Sample ID:** B-2W 0-2

**York Sample ID:** 23A0373-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0373

21003-0004

Soil

January 6, 2023 1:38 pm

01/05/2023

### Volatile Organics, 8260 - Comprehensive

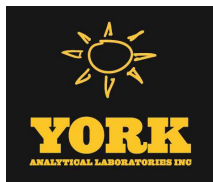
### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.  | Parameter                                            | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                                 | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|------------------------------------------------------|--------|------|-----------|------------------------|--------|----------|----------------------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 630-20-6 | 1,1,1,2-Tetrachloroethane                            | ND     |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 20:07      | JTG     |
| 71-55-6  | 1,1,1-Trichloroethane                                | ND     |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 20:07      | JTG     |
| 79-34-5  | 1,1,2,2-Tetrachloroethane                            | ND     | CCVE | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 20:07      | JTG     |
| 76-13-1  | 1,1,2-Trichloro-1,2,2-trifluoroethane<br>(Freon 113) | ND     |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP     | 01/10/2023 06:29      | 01/10/2023 20:07      | JTG     |
| 79-00-5  | 1,1,2-Trichloroethane                                | ND     |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 20:07      | JTG     |
| 75-34-3  | 1,1-Dichloroethane                                   | ND     |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 20:07      | JTG     |
| 75-35-4  | 1,1-Dichloroethylene                                 | ND     |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 20:07      | JTG     |
| 87-61-6  | 1,2,3-Trichlorobenzene                               | ND     |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/10/2023 06:29      | 01/10/2023 20:07      | JTG     |
| 96-18-4  | 1,2,3-Trichloropropane                               | ND     |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP                   | 01/10/2023 06:29      | 01/10/2023 20:07      | JTG     |
| 120-82-1 | 1,2,4-Trichlorobenzene                               | ND     |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/10/2023 06:29      | 01/10/2023 20:07      | JTG     |
| 95-63-6  | 1,2,4-Trimethylbenzene                               | ND     |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 20:07      | JTG     |





## Sample Information

**Client Sample ID:** B-2W 0-2

**York Sample ID:** 23A0373-08

York Project (SDG) No.

23A0373

Client Project ID

21003-0004

Matrix

Soil

Collection Date/Time

January 6, 2023 1:38 pm

Date Received

01/05/2023

### Volatile Organics, 8260 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.  | Parameter                   | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|-----------------------------|--------|------|-----------|------------------------|--------|----------|------------------------------|-----------------------|-----------------------|---------|
| 96-12-8  | 1,2-Dibromo-3-chloropropane | ND     |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:07      | JTG     |
| 106-93-4 | 1,2-Dibromoethane           | ND     |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:07      | JTG     |
| 95-50-1  | 1,2-Dichlorobenzene         | ND     |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:07      | JTG     |
| 107-06-2 | 1,2-Dichloroethane          | ND     |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:07      | JTG     |
| 78-87-5  | 1,2-Dichloropropane         | ND     |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:07      | JTG     |
| 108-67-8 | 1,3,5-Trimethylbenzene      | ND     |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:07      | JTG     |
| 541-73-1 | 1,3-Dichlorobenzene         | ND     |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:07      | JTG     |
| 106-46-7 | 1,4-Dichlorobenzene         | ND     |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:07      | JTG     |
| 123-91-1 | 1,4-Dioxane                 | ND     |      | mg/kg dry | 0.048                  | 0.096  | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:07      | JTG     |
| 78-93-3  | 2-Butanone                  | ND     | CCVE | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:07      | JTG     |
| 591-78-6 | 2-Hexanone                  | ND     |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:07      | JTG     |
| 108-10-1 | 4-Methyl-2-pentanone        | ND     |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:07      | JTG     |
| 67-64-1  | Acetone                     | 0.015  | CCVE | mg/kg dry | 0.0048                 | 0.0096 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:07      | JTG     |
| 107-02-8 | Acrolein                    | ND     |      | mg/kg dry | 0.0048                 | 0.0096 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:07      | JTG     |
| 107-13-1 | Acrylonitrile               | ND     |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:07      | JTG     |
| 71-43-2  | Benzene                     | ND     |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:07      | JTG     |
| 74-97-5  | Bromochloromethane          | ND     |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:07      | JTG     |
| 75-27-4  | Bromodichloromethane        | ND     |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:07      | JTG     |
| 75-25-2  | Bromoform                   | ND     |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:07      | JTG     |
| 74-83-9  | Bromomethane                | ND     |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:07      | JTG     |
| 75-15-0  | Carbon disulfide            | ND     |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:07      | JTG     |
| 56-23-5  | Carbon tetrachloride        | ND     |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:07      | JTG     |
| 108-90-7 | Chlorobenzene               | ND     |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:07      | JTG     |



## Sample Information

**Client Sample ID:** B-2W 0-2

**York Sample ID:** 23A0373-08

York Project (SDG) No.

23A0373

Client Project ID

21003-0004

Matrix

Soil

Collection Date/Time

January 6, 2023 1:38 pm

Date Received

01/05/2023

### Volatile Organics, 8260 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.     | Parameter                      | Result        | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method             | Date/Time<br>Prepared                                                   | Date/Time<br>Analyzed | Analyst |
|-------------|--------------------------------|---------------|------|-----------|------------------------|--------|----------|------------------------------|-------------------------------------------------------------------------|-----------------------|---------|
| 75-00-3     | Chloroethane                   | ND            |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 20:07      | JTG     |
| 67-66-3     | Chloroform                     | ND            |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 20:07      | JTG     |
| 74-87-3     | Chloromethane                  | ND            | CCVE | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 20:07      | JTG     |
| 156-59-2    | cis-1,2-Dichloroethylene       | ND            |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 20:07      | JTG     |
| 10061-01-5  | cis-1,3-Dichloropropylene      | ND            |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 20:07      | JTG     |
| 110-82-7    | Cyclohexane                    | ND            |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/10/2023 20:07      | JTG     |
| 124-48-1    | Dibromochloromethane           | ND            |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/10/2023 20:07      | JTG     |
| 74-95-3     | Dibromomethane                 | ND            |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/10/2023 20:07      | JTG     |
| 75-71-8     | Dichlorodifluoromethane        | ND            | CCVE | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/10/2023 20:07      | JTG     |
| 100-41-4    | Ethyl Benzene                  | ND            |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 20:07      | JTG     |
| 87-68-3     | Hexachlorobutadiene            | ND            |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/10/2023 20:07      | JTG     |
| 98-82-8     | Isopropylbenzene               | ND            |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 20:07      | JTG     |
| 79-20-9     | Methyl acetate                 | ND            |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/10/2023 20:07      | JTG     |
| 1634-04-4   | Methyl tert-butyl ether (MTBE) | ND            |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 20:07      | JTG     |
| 108-87-2    | Methylcyclohexane              | ND            |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/10/2023 20:07      | JTG     |
| 75-09-2     | Methylene chloride             | ND            |      | mg/kg dry | 0.0048                 | 0.0096 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 20:07      | JTG     |
| 104-51-8    | n-Butylbenzene                 | ND            |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 20:07      | JTG     |
| 103-65-1    | n-Propylbenzene                | ND            |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 20:07      | JTG     |
| 95-47-6     | <b>o-Xylene</b>                | <b>0.0034</b> | J    | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 20:07      | JTG     |
| 179601-23-1 | <b>p- &amp; m- Xylenes</b>     | <b>0.0068</b> | J    | mg/kg dry | 0.0048                 | 0.0096 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 20:07      | JTG     |
| 99-87-6     | p-Isopropyltoluene             | ND            |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 20:07      | JTG     |
| 135-98-8    | sec-Butylbenzene               | ND            |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 20:07      | JTG     |
| 100-42-5    | Styrene                        | ND            |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 20:07      | JTG     |



## Sample Information

**Client Sample ID:** B-2W 0-2

**York Sample ID:** 23A0373-08

York Project (SDG) No.  
23A0373

Client Project ID  
21003-0004

Matrix  
Soil

Collection Date/Time  
January 6, 2023 1:38 pm

Date Received  
01/05/2023

### Volatile Organics, 8260 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.                     | Parameter                                 | Result        | Flag                    | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                                 | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|-------------------------------------------|---------------|-------------------------|-----------|------------------------|--------|----------|----------------------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 75-65-0                     | tert-Butyl alcohol (TBA)                  | ND            |                         | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/10/2023 06:29      | 01/10/2023 20:07      | JTG     |
| 98-06-6                     | tert-Butylbenzene                         | ND            |                         | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 20:07      | JTG     |
| 127-18-4                    | Tetrachloroethylene                       | ND            |                         | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 20:07      | JTG     |
| 108-88-3                    | <b>Toluene</b>                            | <b>0.0057</b> |                         | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA  | 01/10/2023 06:29      | 01/10/2023 20:07      | JTG     |
| 156-60-5                    | trans-1,2-Dichloroethylene                | ND            |                         | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 20:07      | JTG     |
| 10061-02-6                  | trans-1,3-Dichloropropylene               | ND            |                         | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 20:07      | JTG     |
| 79-01-6                     | Trichloroethylene                         | ND            |                         | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 20:07      | JTG     |
| 75-69-4                     | Trichlorofluoromethane                    | ND            |                         | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 20:07      | JTG     |
| 75-01-4                     | Vinyl Chloride                            | ND            |                         | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 20:07      | JTG     |
| 1330-20-7                   | <b>Xylenes, Total</b>                     | <b>0.010</b>  | J                       | mg/kg dry | 0.0072                 | 0.014  | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP     | 01/10/2023 06:29      | 01/10/2023 20:07      | JTG     |
| <b>Surrogate Recoveries</b> |                                           | <b>Result</b> | <b>Acceptance Range</b> |           |                        |        |          |                                                                                  |                       |                       |         |
| 17060-07-0                  | Surrogate: SURR:<br>1,2-Dichloroethane-d4 | 122 %         | 77-125                  |           |                        |        |          |                                                                                  |                       |                       |         |
| 2037-26-5                   | Surrogate: SURR: Toluene-d8               | 96.0 %        | 85-120                  |           |                        |        |          |                                                                                  |                       |                       |         |
| 460-00-4                    | Surrogate: SURR:<br>p-Bromofluorobenzene  | 94.8 %        | 76-130                  |           |                        |        |          |                                                                                  |                       |                       |         |

### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.  | Parameter                             | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|---------------------------------------|--------|------|-----------|------------------------|--------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 92-52-4  | 1,1-Biphenyl                          | ND     |      | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 95-94-3  | 1,2,4,5-Tetrachlorobenzene            | ND     |      | mg/kg dry | 0.0890                 | 0.178  | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 120-82-1 | 1,2,4-Trichlorobenzene                | ND     |      | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 95-50-1  | 1,2-Dichlorobenzene                   | ND     |      | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP                     | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 122-66-7 | 1,2-Diphenylhydrazine (as Azobenzene) | ND     |      | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 541-73-1 | 1,3-Dichlorobenzene                   | ND     |      | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP                     | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 106-46-7 | 1,4-Dichlorobenzene                   | ND     |      | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP                     | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |



## Sample Information

**Client Sample ID:** B-2W 0-2

**York Sample ID:** 23A0373-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0373

21003-0004

Soil

January 6, 2023 1:38 pm

01/05/2023

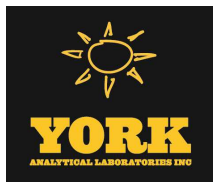
### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.    | Parameter                   | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|-----------------------------|--------|------|-----------|------------------------|--------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 58-90-2    | 2,3,4,6-Tetrachlorophenol   | ND     |      | mg/kg dry | 0.0890                 | 0.178  | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 95-95-4    | 2,4,5-Trichlorophenol       | ND     |      | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 88-06-2    | 2,4,6-Trichlorophenol       | ND     |      | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 120-83-2   | 2,4-Dichlorophenol          | ND     |      | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 105-67-9   | 2,4-Dimethylphenol          | ND     |      | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 51-28-5    | 2,4-Dinitrophenol           | ND     |      | mg/kg dry | 0.0890                 | 0.178  | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 121-14-2   | 2,4-Dinitrotoluene          | ND     |      | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 606-20-2   | 2,6-Dinitrotoluene          | ND     |      | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 91-58-7    | 2-Chloronaphthalene         | ND     |      | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 95-57-8    | 2-Chlorophenol              | ND     |      | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 91-57-6    | 2-Methylnaphthalene         | ND     |      | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 95-48-7    | 2-Methylphenol              | ND     |      | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 88-74-4    | 2-Nitroaniline              | ND     |      | mg/kg dry | 0.0890                 | 0.178  | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 88-75-5    | 2-Nitrophenol               | ND     |      | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 65794-96-9 | 3- & 4-Methylphenols        | ND     |      | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 91-94-1    | 3,3-Dichlorobenzidine       | ND     |      | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 99-09-2    | 3-Nitroaniline              | ND     |      | mg/kg dry | 0.0890                 | 0.178  | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 534-52-1   | 4,6-Dinitro-2-methylphenol  | ND     |      | mg/kg dry | 0.0890                 | 0.178  | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 101-55-3   | 4-Bromophenyl phenyl ether  | ND     |      | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 59-50-7    | 4-Chloro-3-methylphenol     | ND     |      | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 106-47-8   | 4-Chloroaniline             | ND     |      | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 7005-72-3  | 4-Chlorophenyl phenyl ether | ND     |      | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 100-01-6   | 4-Nitroaniline              | ND     |      | mg/kg dry | 0.0890                 | 0.178  | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |



## Sample Information

**Client Sample ID:** B-2W 0-2

**York Sample ID:** 23A0373-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0373

21003-0004

Soil

January 6, 2023 1:38 pm

01/05/2023

### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.   | Parameter                         | Result        | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------------------------------|---------------|------|-----------|------------------------|--------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 100-02-7  | 4-Nitrophenol                     | ND            |      | mg/kg dry | 0.0890                 | 0.178  | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 83-32-9   | Acenaphthene                      | ND            |      | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 208-96-8  | <b>Acenaphthylene</b>             | <b>0.0598</b> | J    | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 98-86-2   | Acetophenone                      | ND            |      | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 62-53-3   | Aniline                           | ND            |      | mg/kg dry | 0.178                  | 0.357  | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 120-12-7  | <b>Anthracene</b>                 | <b>0.0491</b> | J    | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 1912-24-9 | Atrazine                          | ND            |      | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 100-52-7  | Benzaldehyde                      | ND            |      | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 92-87-5   | Benzidine                         | ND            |      | mg/kg dry | 0.178                  | 0.357  | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,PADEP       | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 56-55-3   | <b>Benzo(a)anthracene</b>         | <b>0.286</b>  |      | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 50-32-8   | <b>Benzo(a)pyrene</b>             | <b>0.305</b>  |      | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 205-99-2  | <b>Benzo(b)fluoranthene</b>       | <b>0.276</b>  |      | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 191-24-2  | <b>Benzo(g,h,i)perylene</b>       | <b>0.280</b>  |      | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 207-08-9  | <b>Benzo(k)fluoranthene</b>       | <b>0.302</b>  |      | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 65-85-0   | Benzoic acid                      | ND            |      | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 100-51-6  | Benzyl alcohol                    | ND            |      | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 85-68-7   | <b>Benzyl butyl phthalate</b>     | <b>0.112</b>  |      | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 111-91-1  | Bis(2-chloroethoxy)methane        | ND            |      | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 111-44-4  | Bis(2-chloroethyl)ether           | ND            |      | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 108-60-1  | Bis(2-chloroisopropyl)ether       | ND            |      | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 117-81-7  | <b>Bis(2-ethylhexyl)phthalate</b> | <b>0.0548</b> | J    | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 105-60-2  | Caprolactam                       | ND            |      | mg/kg dry | 0.0890                 | 0.178  | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 86-74-8   | Carbazole                         | ND            |      | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |



## Sample Information

**Client Sample ID:** B-2W 0-2

**York Sample ID:** 23A0373-08

York Project (SDG) No.  
23A0373

Client Project ID  
21003-0004

Matrix  
Soil

Collection Date/Time  
January 6, 2023 1:38 pm

Date Received  
01/05/2023

### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.  | Parameter                  | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|----------------------------|--------|------|-----------|------------------------|--------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 218-01-9 | Chrysene                   | 0.302  |      | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 53-70-3  | Dibenzo(a,h)anthracene     | 0.0783 | J    | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 132-64-9 | Dibenzofuran               | ND     |      | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 84-66-2  | Diethyl phthalate          | ND     |      | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 131-11-3 | Dimethyl phthalate         | ND     |      | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 84-74-2  | Di-n-butyl phthalate       | ND     |      | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 117-84-0 | Di-n-octyl phthalate       | ND     |      | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 206-44-0 | Fluoranthene               | 0.440  |      | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 86-73-7  | Fluorene                   | ND     |      | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 118-74-1 | Hexachlorobenzene          | ND     |      | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 87-68-3  | Hexachlorobutadiene        | ND     |      | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 77-47-4  | Hexachlorocyclopentadiene  | ND     |      | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 67-72-1  | Hexachloroethane           | ND     |      | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 193-39-5 | Indeno(1,2,3-cd)pyrene     | 0.258  |      | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 78-59-1  | Isophorone                 | ND     |      | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 91-20-3  | Naphthalene                | ND     |      | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 98-95-3  | Nitrobenzene               | ND     |      | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 62-75-9  | N-Nitrosodimethylamine     | ND     |      | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 621-64-7 | N-nitroso-di-n-propylamine | ND     |      | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 86-30-6  | N-Nitrosodiphenylamine     | ND     |      | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 87-86-5  | Pentachlorophenol          | ND     |      | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 85-01-8  | Phenanthrene               | 0.125  |      | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |
| 108-95-2 | Phenol                     | ND     |      | mg/kg dry | 0.0446                 | 0.0890 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:26      | KH      |





## Sample Information

**Client Sample ID:** B-2W 0-2

**York Sample ID:** 23A0373-08

York Project (SDG) No.

23A0373

Client Project ID

21003-0004

Matrix

Soil

Collection Date/Time

January 6, 2023 1:38 pm

Date Received

01/05/2023

### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.   | Parameter                                | Result        | Flag | Units     | Reported to<br>LOD/MDL  | LOQ    | Dilution | Reference Method | Date/Time<br>Prepared                   | Date/Time<br>Analyzed | Analyst |
|-----------|------------------------------------------|---------------|------|-----------|-------------------------|--------|----------|------------------|-----------------------------------------|-----------------------|---------|
| 129-00-0  | Pyrene                                   | 0.432         |      | mg/kg dry | 0.0446                  | 0.0890 | 2        | EPA 8270D        | 01/11/2023 08:27                        | 01/12/2023 21:26      | KH      |
|           |                                          |               |      |           |                         |        |          | Certifications:  | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                       |         |
|           | <b>Surrogate Recoveries</b>              | <b>Result</b> |      |           | <b>Acceptance Range</b> |        |          |                  |                                         |                       |         |
| 367-12-4  | Surrogate: SURR: 2-Fluorophenol          | 51.8 %        |      |           | 20-108                  |        |          |                  |                                         |                       |         |
| 4165-62-2 | Surrogate: SURR: Phenol-d5               | 52.8 %        |      |           | 23-114                  |        |          |                  |                                         |                       |         |
| 4165-60-0 | Surrogate: SURR: Nitrobenzene-d5         | 40.1 %        |      |           | 22-108                  |        |          |                  |                                         |                       |         |
| 321-60-8  | Surrogate: SURR: 2-Fluorobiphenyl        | 54.6 %        |      |           | 21-113                  |        |          |                  |                                         |                       |         |
| 118-79-6  | Surrogate: SURR:<br>2,4,6-Tribromophenol | 55.1 %        |      |           | 19-110                  |        |          |                  |                                         |                       |         |
| 1718-51-0 | Surrogate: SURR: Terphenyl-d14           | 62.5 %        |      |           | 24-116                  |        |          |                  |                                         |                       |         |

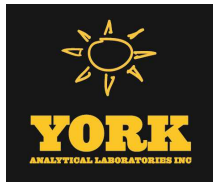
### Pesticides, 8081 target list

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.    | Parameter          | Result | Flag | Units     | Reported to<br>LOQ | Dilution | Reference Method | Date/Time<br>Prepared                   | Date/Time<br>Analyzed | Analyst |
|------------|--------------------|--------|------|-----------|--------------------|----------|------------------|-----------------------------------------|-----------------------|---------|
| 72-54-8    | 4,4'-DDD           | ND     |      | mg/kg dry | 0.00177            | 5        | EPA 8081B        | 01/09/2023 08:49                        | 01/13/2023 21:40      | BJ      |
|            |                    |        |      |           |                    |          | Certifications:  | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                       |         |
| 72-55-9    | 4,4'-DDE           | ND     |      | mg/kg dry | 0.00177            | 5        | EPA 8081B        | 01/09/2023 08:49                        | 01/13/2023 21:40      | BJ      |
|            |                    |        |      |           |                    |          | Certifications:  | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                       |         |
| 50-29-3    | 4,4'-DDT           | ND     |      | mg/kg dry | 0.00177            | 5        | EPA 8081B        | 01/09/2023 08:49                        | 01/13/2023 21:40      | BJ      |
|            |                    |        |      |           |                    |          | Certifications:  | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                       |         |
| 309-00-2   | Aldrin             | ND     |      | mg/kg dry | 0.00177            | 5        | EPA 8081B        | 01/09/2023 08:49                        | 01/13/2023 21:40      | BJ      |
|            |                    |        |      |           |                    |          | Certifications:  | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                       |         |
| 319-84-6   | alpha-BHC          | ND     |      | mg/kg dry | 0.00177            | 5        | EPA 8081B        | 01/09/2023 08:49                        | 01/13/2023 21:40      | BJ      |
|            |                    |        |      |           |                    |          | Certifications:  | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                       |         |
| 5103-71-9  | alpha-Chlordane    | ND     |      | mg/kg dry | 0.00177            | 5        | EPA 8081B        | 01/09/2023 08:49                        | 01/13/2023 21:40      | BJ      |
|            |                    |        |      |           |                    |          | Certifications:  | NELAC-NY10854,NJDEP                     |                       |         |
| 319-85-7   | beta-BHC           | ND     |      | mg/kg dry | 0.00177            | 5        | EPA 8081B        | 01/09/2023 08:49                        | 01/13/2023 21:40      | BJ      |
|            |                    |        |      |           |                    |          | Certifications:  | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                       |         |
| 12789-03-6 | Chlordane, total   | ND     |      | mg/kg dry | 0.0353             | 5        | EPA 8081B        | 01/09/2023 08:49                        | 01/13/2023 21:40      | BJ      |
|            |                    |        |      |           |                    |          | Certifications:  | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                       |         |
| 319-86-8   | delta-BHC          | ND     |      | mg/kg dry | 0.00177            | 5        | EPA 8081B        | 01/09/2023 08:49                        | 01/13/2023 21:40      | BJ      |
|            |                    |        |      |           |                    |          | Certifications:  | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                       |         |
| 60-57-1    | Dieldrin           | ND     |      | mg/kg dry | 0.00177            | 5        | EPA 8081B        | 01/09/2023 08:49                        | 01/13/2023 21:40      | BJ      |
|            |                    |        |      |           |                    |          | Certifications:  | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                       |         |
| 959-98-8   | Endosulfan I       | ND     |      | mg/kg dry | 0.00177            | 5        | EPA 8081B        | 01/09/2023 08:49                        | 01/13/2023 21:40      | BJ      |
|            |                    |        |      |           |                    |          | Certifications:  | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                       |         |
| 33213-65-9 | Endosulfan II      | ND     |      | mg/kg dry | 0.00177            | 5        | EPA 8081B        | 01/09/2023 08:49                        | 01/13/2023 21:40      | BJ      |
|            |                    |        |      |           |                    |          | Certifications:  | CTDOH-PH-0723,NELAC-NY10854             |                       |         |
| 1031-07-8  | Endosulfan sulfate | ND     |      | mg/kg dry | 0.00177            | 5        | EPA 8081B        | 01/09/2023 08:49                        | 01/13/2023 21:40      | BJ      |
|            |                    |        |      |           |                    |          | Certifications:  | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                       |         |
| 72-20-8    | Endrin             | ND     |      | mg/kg dry | 0.00177            | 5        | EPA 8081B        | 01/09/2023 08:49                        | 01/13/2023 21:40      | BJ      |
|            |                    |        |      |           |                    |          | Certifications:  | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                       |         |
| 7421-93-4  | Endrin aldehyde    | ND     |      | mg/kg dry | 0.00177            | 5        | EPA 8081B        | 01/09/2023 08:49                        | 01/13/2023 21:40      | BJ      |
|            |                    |        |      |           |                    |          | Certifications:  | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                       |         |



## Sample Information

**Client Sample ID:** B-2W 0-2

**York Sample ID:** 23A0373-08

York Project (SDG) No.

23A0373

Client Project ID

21003-0004

Matrix

Soil

Collection Date/Time

January 6, 2023 1:38 pm

Date Received

01/05/2023

### Pesticides, 8081 target list

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                       | Result        | Flag | Units                   | Reported to LOQ | Dilution | Reference Method                                                     | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|------|-------------------------|-----------------|----------|----------------------------------------------------------------------|--------------------|--------------------|---------|
| 53494-70-5                  | Endrin ketone                   | ND            |      | mg/kg dry               | 0.00177         | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49   | 01/13/2023 21:40   | BJ      |
| 58-89-9                     | gamma-BHC (Lindane)             | ND            |      | mg/kg dry               | 0.00177         | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49   | 01/13/2023 21:40   | BJ      |
| 5566-34-7                   | gamma-Chlordane                 | ND            |      | mg/kg dry               | 0.00177         | 5        | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP                     | 01/09/2023 08:49   | 01/13/2023 21:40   | BJ      |
| 76-44-8                     | Heptachlor                      | ND            |      | mg/kg dry               | 0.00177         | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49   | 01/13/2023 21:40   | BJ      |
| 1024-57-3                   | Heptachlor epoxide              | ND            |      | mg/kg dry               | 0.00177         | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49   | 01/13/2023 21:40   | BJ      |
| 72-43-5                     | Methoxychlor                    | ND            |      | mg/kg dry               | 0.00884         | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49   | 01/13/2023 21:40   | BJ      |
| 8001-35-2                   | Toxaphene                       | ND            |      | mg/kg dry               | 0.0894          | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49   | 01/13/2023 21:40   | BJ      |
| <b>Surrogate Recoveries</b> |                                 | <b>Result</b> |      | <b>Acceptance Range</b> |                 |          |                                                                      |                    |                    |         |
| 2051-24-3                   | Surrogate: Decachlorobiphenyl   | 58.1 %        |      |                         |                 |          |                                                                      |                    |                    |         |
| 877-09-8                    | Surrogate: Tetrachloro-m-xylene | 54.5 %        |      |                         |                 |          |                                                                      |                    |                    |         |

### Polychlorinated Biphenyls (PCB)

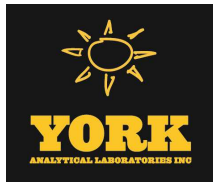
### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                       | Result        | Flag | Units                   | Reported to LOQ | Dilution | Reference Method                                                     | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|------|-------------------------|-----------------|----------|----------------------------------------------------------------------|--------------------|--------------------|---------|
| 12674-11-2                  | Aroclor 1016                    | ND            |      | mg/kg dry               | 0.0178          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/09/2023 08:49   | 01/12/2023 23:02   | BJ      |
| 11104-28-2                  | Aroclor 1221                    | ND            |      | mg/kg dry               | 0.0178          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/09/2023 08:49   | 01/12/2023 23:02   | BJ      |
| 11141-16-5                  | Aroclor 1232                    | ND            |      | mg/kg dry               | 0.0178          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/09/2023 08:49   | 01/12/2023 23:02   | BJ      |
| 53469-21-9                  | Aroclor 1242                    | ND            |      | mg/kg dry               | 0.0178          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/09/2023 08:49   | 01/12/2023 23:02   | BJ      |
| 12672-29-6                  | Aroclor 1248                    | ND            |      | mg/kg dry               | 0.0178          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/09/2023 08:49   | 01/12/2023 23:02   | BJ      |
| 11097-69-1                  | Aroclor 1254                    | ND            |      | mg/kg dry               | 0.0178          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/09/2023 08:49   | 01/12/2023 23:02   | BJ      |
| 11096-82-5                  | Aroclor 1260                    | ND            |      | mg/kg dry               | 0.0178          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/09/2023 08:49   | 01/12/2023 23:02   | BJ      |
| 37324-23-5                  | Aroclor 1262                    | ND            |      | mg/kg dry               | 0.0178          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/09/2023 08:49   | 01/12/2023 23:02   | BJ      |
| 11100-14-4                  | Aroclor 1268                    | ND            |      | mg/kg dry               | 0.0178          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/09/2023 08:49   | 01/12/2023 23:02   | BJ      |
| 1336-36-3                   | * Total PCBs                    | ND            |      | mg/kg dry               | 0.0178          | 1        | EPA 8082A<br>Certifications:                                         | 01/09/2023 08:49   | 01/12/2023 23:02   | BJ      |
| <b>Surrogate Recoveries</b> |                                 | <b>Result</b> |      | <b>Acceptance Range</b> |                 |          |                                                                      |                    |                    |         |
| 877-09-8                    | Surrogate: Tetrachloro-m-xylene | 87.5 %        |      |                         |                 |          |                                                                      |                    |                    |         |
| 2051-24-3                   | Surrogate: Decachlorobiphenyl   | 71.0 %        |      |                         |                 |          |                                                                      |                    |                    |         |





## Sample Information

**Client Sample ID:** B-2W 0-2

**York Sample ID:** 23A0373-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0373

21003-0004

Soil

January 6, 2023 1:38 pm

01/05/2023

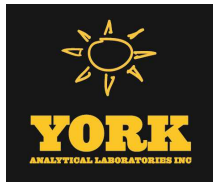
### Metals, Target Analyte

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter | Result | Flag | Units     | Reported to LOQ | Dilution | Reference Method                                                     | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|-----------------|----------|----------------------------------------------------------------------|--------------------|--------------------|---------|
| 7429-90-5 | Aluminum  | 6360   |      | mg/kg dry | 4.48            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 17:06   | CW      |
| 7440-36-0 | Antimony  | ND     |      | mg/kg dry | 2.24            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 17:06   | CW      |
| 7440-38-2 | Arsenic   | 3.30   |      | mg/kg dry | 1.34            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 17:06   | CW      |
| 7440-39-3 | Barium    | 102    |      | mg/kg dry | 2.24            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 17:06   | CW      |
| 7440-41-7 | Beryllium | 0.298  |      | mg/kg dry | 0.045           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 17:06   | CW      |
| 7440-43-9 | Cadmium   | 0.819  |      | mg/kg dry | 0.269           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 17:06   | CW      |
| 7440-70-2 | Calcium   | 12400  |      | mg/kg dry | 4.48            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 17:06   | CW      |
| 7440-47-3 | Chromium  | 10.5   |      | mg/kg dry | 0.448           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 17:06   | CW      |
| 7440-48-4 | Cobalt    | 2.47   |      | mg/kg dry | 0.358           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 17:06   | CW      |
| 7440-50-8 | Copper    | 34.7   |      | mg/kg dry | 1.79            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 17:06   | CW      |
| 7439-89-6 | Iron      | 11100  |      | mg/kg dry | 22.4            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 17:06   | CW      |
| 7439-92-1 | Lead      | 465    |      | mg/kg dry | 0.448           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 17:06   | CW      |
| 7439-95-4 | Magnesium | 1440   |      | mg/kg dry | 4.48            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 17:06   | CW      |
| 7439-96-5 | Manganese | 92.0   |      | mg/kg dry | 0.448           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 17:06   | CW      |
| 7440-02-0 | Nickel    | 7.98   |      | mg/kg dry | 0.892           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 17:06   | CW      |
| 7440-09-7 | Potassium | 370    | B    | mg/kg dry | 4.48            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 17:06   | CW      |
| 7782-49-2 | Selenium  | ND     |      | mg/kg dry | 2.24            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 17:06   | CW      |
| 7440-22-4 | Silver    | ND     |      | mg/kg dry | 0.451           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 17:06   | CW      |
| 7440-23-5 | Sodium    | 115    |      | mg/kg dry | 44.8            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 17:06   | CW      |
| 7440-28-0 | Thallium  | ND     |      | mg/kg dry | 2.24            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 17:06   | CW      |
| 7440-62-2 | Vanadium  | 12.2   |      | mg/kg dry | 0.892           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 17:06   | CW      |



## Sample Information

**Client Sample ID:** B-2W 0-2

**York Sample ID:** 23A0373-08

York Project (SDG) No.

23A0373

Client Project ID

21003-0004

Matrix

Soil

Collection Date/Time

January 6, 2023 1:38 pm

Date Received

01/05/2023

### Metals, Target Analyte

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter | Result | Flag | Units     | Reported to<br>LOQ | Dilution | Reference Method | Date/Time<br>Prepared                   | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|--------------------|----------|------------------|-----------------------------------------|-----------------------|---------|
| 7440-66-6 | Zinc      | 224    |      | mg/kg dry | 2.23               | 1        | EPA 6010D        | 01/12/2023 14:08                        | 01/13/2023 17:06      | CW      |
|           |           |        |      |           |                    |          | Certifications:  | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP |                       |         |

### Mercury by 7473

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 7473 soil

| CAS No.   | Parameter | Result | Flag | Units     | Reported to<br>LOQ | Dilution | Reference Method | Date/Time<br>Prepared                   | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|--------------------|----------|------------------|-----------------------------------------|-----------------------|---------|
| 7439-97-6 | Mercury   | 0.549  |      | mg/kg dry | 0.0322             | 1        | EPA 7473         | 01/10/2023 09:24                        | 01/10/2023 12:10      | MR      |
|           |           |        |      |           |                    |          | Certifications:  | CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP |                       |         |

### Total Solids

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: % Solids Prep

| CAS No. | Parameter  | Result | Flag | Units | Reported to<br>LOQ | Dilution | Reference Method | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|------------|--------|------|-------|--------------------|----------|------------------|-----------------------|-----------------------|---------|
| solids  | * % Solids | 93.1   |      | %     | 0.100              | 1        | SM 2540G         | 01/10/2023 13:47      | 01/10/2023 16:12      | S_S     |
|         |            |        |      |       |                    |          | Certifications:  | CTDOH-PH-0723         |                       |         |

## Sample Information

**Client Sample ID:** B-2W 2-4

**York Sample ID:** 23A0373-09

York Project (SDG) No.

23A0373

Client Project ID

21003-0004

Matrix

Soil

Collection Date/Time

January 6, 2023 1:43 pm

Date Received

01/05/2023

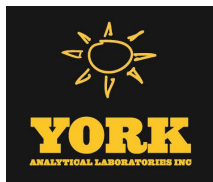
### Volatile Organics, 8260 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.  | Parameter                                            | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method | Date/Time<br>Prepared                               | Date/Time<br>Analyzed | Analyst |
|----------|------------------------------------------------------|--------|------|-----------|------------------------|--------|----------|------------------|-----------------------------------------------------|-----------------------|---------|
| 630-20-6 | 1,1,1,2-Tetrachloroethane                            | ND     |      | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C        | 01/10/2023 06:29                                    | 01/10/2023 20:35      | JTG     |
|          |                                                      |        |      |           |                        |        |          | Certifications:  | CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI |                       |         |
| 71-55-6  | 1,1,1-Trichloroethane                                | ND     |      | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C        | 01/10/2023 06:29                                    | 01/10/2023 20:35      | JTG     |
|          |                                                      |        |      |           |                        |        |          | Certifications:  | CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI |                       |         |
| 79-34-5  | 1,1,2,2-Tetrachloroethane                            | ND     | CCVE | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C        | 01/10/2023 06:29                                    | 01/10/2023 20:35      | JTG     |
|          |                                                      |        |      |           |                        |        |          | Certifications:  | CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI |                       |         |
| 76-13-1  | 1,1,2-Trichloro-1,2,2-trifluoroethane<br>(Freon 113) | ND     |      | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C        | 01/10/2023 06:29                                    | 01/10/2023 20:35      | JTG     |
|          |                                                      |        |      |           |                        |        |          | Certifications:  | CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP     |                       |         |
| 79-00-5  | 1,1,2-Trichloroethane                                | ND     |      | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C        | 01/10/2023 06:29                                    | 01/10/2023 20:35      | JTG     |
|          |                                                      |        |      |           |                        |        |          | Certifications:  | CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI |                       |         |
| 75-34-3  | 1,1-Dichloroethane                                   | ND     |      | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C        | 01/10/2023 06:29                                    | 01/10/2023 20:35      | JTG     |
|          |                                                      |        |      |           |                        |        |          | Certifications:  | CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI |                       |         |



## Sample Information

**Client Sample ID:** B-2W 2-4

**York Sample ID:** 23A0373-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0373

21003-0004

Soil

January 6, 2023 1:43 pm

01/05/2023

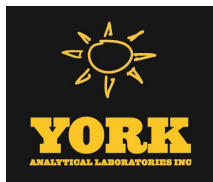
### Volatile Organics, 8260 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.  | Parameter                     | Result        | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|-------------------------------|---------------|------|-----------|------------------------|--------|----------|------------------------------|-----------------------|-----------------------|---------|
| 75-35-4  | 1,1-Dichloroethylene          | ND            |      | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:35      | JTG     |
| 87-61-6  | 1,2,3-Trichlorobenzene        | ND            |      | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:35      | JTG     |
| 96-18-4  | 1,2,3-Trichloropropane        | ND            |      | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:35      | JTG     |
| 120-82-1 | 1,2,4-Trichlorobenzene        | ND            |      | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:35      | JTG     |
| 95-63-6  | <b>1,2,4-Trimethylbenzene</b> | <b>0.0026</b> | J    | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:35      | JTG     |
| 96-12-8  | 1,2-Dibromo-3-chloropropane   | ND            |      | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:35      | JTG     |
| 106-93-4 | 1,2-Dibromoethane             | ND            |      | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:35      | JTG     |
| 95-50-1  | 1,2-Dichlorobenzene           | ND            |      | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:35      | JTG     |
| 107-06-2 | 1,2-Dichloroethane            | ND            |      | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:35      | JTG     |
| 78-87-5  | 1,2-Dichloropropane           | ND            |      | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:35      | JTG     |
| 108-67-8 | 1,3,5-Trimethylbenzene        | ND            |      | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:35      | JTG     |
| 541-73-1 | 1,3-Dichlorobenzene           | ND            |      | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:35      | JTG     |
| 106-46-7 | 1,4-Dichlorobenzene           | ND            |      | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:35      | JTG     |
| 123-91-1 | 1,4-Dioxane                   | ND            |      | mg/kg dry | 0.046                  | 0.091  | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:35      | JTG     |
| 78-93-3  | 2-Butanone                    | ND            | CCVE | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:35      | JTG     |
| 591-78-6 | 2-Hexanone                    | ND            |      | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:35      | JTG     |
| 108-10-1 | <b>4-Methyl-2-pentanone</b>   | <b>0.0063</b> |      | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:35      | JTG     |
| 67-64-1  | <b>Acetone</b>                | <b>0.014</b>  | CCVE | mg/kg dry | 0.0046                 | 0.0091 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:35      | JTG     |
| 107-02-8 | Acrolein                      | ND            |      | mg/kg dry | 0.0046                 | 0.0091 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:35      | JTG     |
| 107-13-1 | Acrylonitrile                 | ND            |      | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:35      | JTG     |
| 71-43-2  | Benzene                       | ND            |      | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:35      | JTG     |
| 74-97-5  | Bromochloromethane            | ND            |      | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:35      | JTG     |
| 75-27-4  | Bromodichloromethane          | ND            |      | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:35      | JTG     |



## Sample Information

**Client Sample ID:** B-2W 2-4

**York Sample ID:** 23A0373-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0373

21003-0004

Soil

January 6, 2023 1:43 pm

01/05/2023

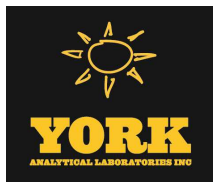
### Volatile Organics, 8260 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.    | Parameter                      | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|--------------------------------|--------|------|-----------|------------------------|--------|----------|------------------------------|-----------------------|-----------------------|---------|
| 75-25-2    | Bromoform                      | ND     |      | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:35      | JTG     |
| 74-83-9    | Bromomethane                   | ND     |      | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:35      | JTG     |
| 75-15-0    | Carbon disulfide               | ND     |      | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:35      | JTG     |
| 56-23-5    | Carbon tetrachloride           | ND     |      | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:35      | JTG     |
| 108-90-7   | Chlorobenzene                  | ND     |      | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:35      | JTG     |
| 75-00-3    | Chloroethane                   | ND     |      | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:35      | JTG     |
| 67-66-3    | Chloroform                     | ND     |      | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:35      | JTG     |
| 74-87-3    | Chloromethane                  | ND     | CCVE | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:35      | JTG     |
| 156-59-2   | cis-1,2-Dichloroethylene       | ND     |      | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:35      | JTG     |
| 10061-01-5 | cis-1,3-Dichloropropylene      | ND     |      | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:35      | JTG     |
| 110-82-7   | Cyclohexane                    | ND     |      | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:35      | JTG     |
| 124-48-1   | Dibromochloromethane           | ND     |      | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:35      | JTG     |
| 74-95-3    | Dibromomethane                 | ND     |      | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:35      | JTG     |
| 75-71-8    | Dichlorodifluoromethane        | ND     | CCVE | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:35      | JTG     |
| 100-41-4   | Ethyl Benzene                  | ND     |      | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:35      | JTG     |
| 87-68-3    | Hexachlorobutadiene            | ND     |      | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:35      | JTG     |
| 98-82-8    | Isopropylbenzene               | ND     |      | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:35      | JTG     |
| 79-20-9    | Methyl acetate                 | ND     |      | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:35      | JTG     |
| 1634-04-4  | Methyl tert-butyl ether (MTBE) | ND     |      | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:35      | JTG     |
| 108-87-2   | Methylcyclohexane              | ND     |      | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:35      | JTG     |
| 75-09-2    | Methylene chloride             | ND     |      | mg/kg dry | 0.0046                 | 0.0091 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:35      | JTG     |
| 104-51-8   | n-Butylbenzene                 | ND     |      | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:35      | JTG     |
| 103-65-1   | n-Propylbenzene                | ND     |      | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29      | 01/10/2023 20:35      | JTG     |



## Sample Information

**Client Sample ID:** B-2W 2-4

**York Sample ID:** 23A0373-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0373

21003-0004

Soil

January 6, 2023 1:43 pm

01/05/2023

### Volatile Organics, 8260 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.                     | Parameter                                 | Result        | Flag                    | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                                 | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|-------------------------------------------|---------------|-------------------------|-----------|------------------------|--------|----------|----------------------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 95-47-6                     | <b>o-Xylene</b>                           | <b>0.0038</b> | J                       | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP     | 01/10/2023 06:29      | 01/10/2023 20:35      | JTG     |
| 179601-23-1                 | <b>p- &amp; m- Xylenes</b>                | <b>0.0081</b> | J                       | mg/kg dry | 0.0046                 | 0.0091 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP     | 01/10/2023 06:29      | 01/10/2023 20:35      | JTG     |
| 99-87-6                     | p-Isopropyltoluene                        | ND            |                         | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 20:35      | JTG     |
| 135-98-8                    | sec-Butylbenzene                          | ND            |                         | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 20:35      | JTG     |
| 100-42-5                    | Styrene                                   | ND            |                         | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 20:35      | JTG     |
| 75-65-0                     | tert-Butyl alcohol (TBA)                  | ND            |                         | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/10/2023 06:29      | 01/10/2023 20:35      | JTG     |
| 98-06-6                     | tert-Butylbenzene                         | ND            |                         | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 20:35      | JTG     |
| 127-18-4                    | Tetrachloroethylene                       | ND            |                         | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 20:35      | JTG     |
| 108-88-3                    | <b>Toluene</b>                            | <b>0.0049</b> |                         | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 20:35      | JTG     |
| 156-60-5                    | trans-1,2-Dichloroethylene                | ND            |                         | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 20:35      | JTG     |
| 10061-02-6                  | trans-1,3-Dichloropropylene               | ND            |                         | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 20:35      | JTG     |
| 79-01-6                     | Trichloroethylene                         | ND            |                         | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 20:35      | JTG     |
| 75-69-4                     | Trichlorofluoromethane                    | ND            |                         | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 20:35      | JTG     |
| 75-01-4                     | Vinyl Chloride                            | ND            |                         | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 20:35      | JTG     |
| 1330-20-7                   | <b>Xylenes, Total</b>                     | <b>0.012</b>  | J                       | mg/kg dry | 0.0069                 | 0.014  | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP     | 01/10/2023 06:29      | 01/10/2023 20:35      | JTG     |
| <b>Surrogate Recoveries</b> |                                           | <b>Result</b> | <b>Acceptance Range</b> |           |                        |        |          |                                                                                  |                       |                       |         |
| 17060-07-0                  | Surrogate: SURR:<br>1,2-Dichloroethane-d4 | 118 %         | 77-125                  |           |                        |        |          |                                                                                  |                       |                       |         |
| 2037-26-5                   | Surrogate: SURR: Toluene-d8               | 96.8 %        | 85-120                  |           |                        |        |          |                                                                                  |                       |                       |         |
| 460-00-4                    | Surrogate: SURR:<br>p-Bromofluorobenzene  | 86.3 %        | 76-130                  |           |                        |        |          |                                                                                  |                       |                       |         |

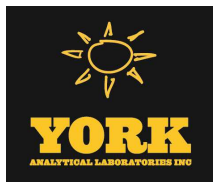
### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter                  | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                       | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|----------------------------|--------|------|-----------|------------------------|--------|----------|--------------------------------------------------------|-----------------------|-----------------------|---------|
| 92-52-4 | 1,1-Biphenyl               | ND     |      | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:56      | KH      |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | ND     |      | mg/kg dry | 0.0882                 | 0.176  | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:56      | KH      |



## Sample Information

**Client Sample ID:** B-2W 2-4

**York Sample ID:** 23A0373-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0373

21003-0004

Soil

January 6, 2023 1:43 pm

01/05/2023

### Semi-Volatiles, 8270 - Comprehensive

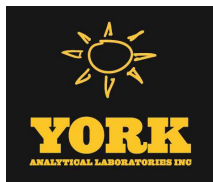
### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.    | Parameter                             | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|---------------------------------------|--------|------|-----------|------------------------|--------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 120-82-1   | 1,2,4-Trichlorobenzene                | ND     |      | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:56      | KH      |
| 95-50-1    | 1,2-Dichlorobenzene                   | ND     |      | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP                     | 01/11/2023 08:27      | 01/12/2023 21:56      | KH      |
| 122-66-7   | 1,2-Diphenylhydrazine (as Azobenzene) | ND     |      | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 21:56      | KH      |
| 541-73-1   | 1,3-Dichlorobenzene                   | ND     |      | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP                     | 01/11/2023 08:27      | 01/12/2023 21:56      | KH      |
| 106-46-7   | 1,4-Dichlorobenzene                   | ND     |      | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP                     | 01/11/2023 08:27      | 01/12/2023 21:56      | KH      |
| 58-90-2    | 2,3,4,6-Tetrachlorophenol             | ND     |      | mg/kg dry | 0.0882                 | 0.176  | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 21:56      | KH      |
| 95-95-4    | 2,4,5-Trichlorophenol                 | ND     |      | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:56      | KH      |
| 88-06-2    | 2,4,6-Trichlorophenol                 | ND     |      | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:56      | KH      |
| 120-83-2   | 2,4-Dichlorophenol                    | ND     |      | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:56      | KH      |
| 105-67-9   | 2,4-Dimethylphenol                    | ND     |      | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:56      | KH      |
| 51-28-5    | 2,4-Dinitrophenol                     | ND     |      | mg/kg dry | 0.0882                 | 0.176  | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:56      | KH      |
| 121-14-2   | 2,4-Dinitrotoluene                    | ND     |      | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:56      | KH      |
| 606-20-2   | 2,6-Dinitrotoluene                    | ND     |      | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:56      | KH      |
| 91-58-7    | 2-Chloronaphthalene                   | ND     |      | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:56      | KH      |
| 95-57-8    | 2-Chlorophenol                        | ND     |      | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:56      | KH      |
| 91-57-6    | 2-Methylnaphthalene                   | ND     |      | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:56      | KH      |
| 95-48-7    | 2-Methylphenol                        | ND     |      | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:56      | KH      |
| 88-74-4    | 2-Nitroaniline                        | ND     |      | mg/kg dry | 0.0882                 | 0.176  | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:56      | KH      |
| 88-75-5    | 2-Nitrophenol                         | ND     |      | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:56      | KH      |
| 65794-96-9 | 3- & 4-Methylphenols                  | ND     |      | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:56      | KH      |
| 91-94-1    | 3,3-Dichlorobenzidine                 | ND     |      | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 21:56      | KH      |
| 99-09-2    | 3-Nitroaniline                        | ND     |      | mg/kg dry | 0.0882                 | 0.176  | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:56      | KH      |
| 534-52-1   | 4,6-Dinitro-2-methylphenol            | ND     |      | mg/kg dry | 0.0882                 | 0.176  | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:56      | KH      |





## Sample Information

**Client Sample ID:** B-2W 2-4

**York Sample ID:** 23A0373-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0373

21003-0004

Soil

January 6, 2023 1:43 pm

01/05/2023

### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.   | Parameter                   | Result        | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method             | Date/Time<br>Prepared                                       | Date/Time<br>Analyzed | Analyst |
|-----------|-----------------------------|---------------|------|-----------|------------------------|--------|----------|------------------------------|-------------------------------------------------------------|-----------------------|---------|
| 101-55-3  | 4-Bromophenyl phenyl ether  | ND            |      | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 21:56      | KH      |
| 59-50-7   | 4-Chloro-3-methylphenol     | ND            |      | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 21:56      | KH      |
| 106-47-8  | 4-Chloroaniline             | ND            |      | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 21:56      | KH      |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND            |      | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 21:56      | KH      |
| 100-01-6  | 4-Nitroaniline              | ND            |      | mg/kg dry | 0.0882                 | 0.176  | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 21:56      | KH      |
| 100-02-7  | 4-Nitrophenol               | ND            |      | mg/kg dry | 0.0882                 | 0.176  | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 21:56      | KH      |
| 83-32-9   | Acenaphthene                | ND            |      | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 21:56      | KH      |
| 208-96-8  | Acenaphthylene              | ND            |      | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 21:56      | KH      |
| 98-86-2   | Acetophenone                | ND            |      | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>NELAC-NY10854,NJDEP,PADEP               | 01/12/2023 21:56      | KH      |
| 62-53-3   | Aniline                     | ND            |      | mg/kg dry | 0.177                  | 0.353  | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>NELAC-NY10854,NJDEP,PADEP               | 01/12/2023 21:56      | KH      |
| 120-12-7  | <b>Anthracene</b>           | <b>0.0487</b> | J    | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 21:56      | KH      |
| 1912-24-9 | Atrazine                    | ND            |      | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>NELAC-NY10854,NJDEP,PADEP               | 01/12/2023 21:56      | KH      |
| 100-52-7  | Benzaldehyde                | ND            |      | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>NELAC-NY10854,NJDEP,PADEP               | 01/12/2023 21:56      | KH      |
| 92-87-5   | Benzidine                   | ND            |      | mg/kg dry | 0.177                  | 0.353  | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,PADEP       | 01/12/2023 21:56      | KH      |
| 56-55-3   | <b>Benzo(a)anthracene</b>   | <b>0.296</b>  |      | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 21:56      | KH      |
| 50-32-8   | <b>Benzo(a)pyrene</b>       | <b>0.281</b>  |      | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 21:56      | KH      |
| 205-99-2  | <b>Benzo(b)fluoranthene</b> | <b>0.246</b>  |      | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 21:56      | KH      |
| 191-24-2  | <b>Benzo(g,h,i)perylene</b> | <b>0.205</b>  |      | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 21:56      | KH      |
| 207-08-9  | <b>Benzo(k)fluoranthene</b> | <b>0.245</b>  |      | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 21:56      | KH      |
| 65-85-0   | Benzoic acid                | ND            |      | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>NELAC-NY10854,NJDEP,PADEP               | 01/12/2023 21:56      | KH      |
| 100-51-6  | Benzyl alcohol              | ND            |      | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>NELAC-NY10854,NJDEP,PADEP               | 01/12/2023 21:56      | KH      |
| 85-68-7   | Benzyl butyl phthalate      | ND            |      | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 21:56      | KH      |
| 111-91-1  | Bis(2-chloroethoxy)methane  | ND            |      | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: | 01/11/2023 08:27<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 21:56      | KH      |





## Sample Information

**Client Sample ID:** B-2W 2-4

**York Sample ID:** 23A0373-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0373

21003-0004

Soil

January 6, 2023 1:43 pm

01/05/2023

### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.  | Parameter                     | Result        | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|-------------------------------|---------------|------|-----------|------------------------|--------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 111-44-4 | Bis(2-chloroethyl)ether       | ND            |      | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:56      | KH      |
| 108-60-1 | Bis(2-chloroisopropyl)ether   | ND            |      | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:56      | KH      |
| 117-81-7 | Bis(2-ethylhexyl)phthalate    | ND            |      | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:56      | KH      |
| 105-60-2 | Caprolactam                   | ND            |      | mg/kg dry | 0.0882                 | 0.176  | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 21:56      | KH      |
| 86-74-8  | Carbazole                     | ND            |      | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:56      | KH      |
| 218-01-9 | <b>Chrysene</b>               | <b>0.289</b>  |      | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:56      | KH      |
| 53-70-3  | <b>Dibenzo(a,h)anthracene</b> | <b>0.0656</b> | J    | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:56      | KH      |
| 132-64-9 | Dibenzofuran                  | ND            |      | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:56      | KH      |
| 84-66-2  | Diethyl phthalate             | ND            |      | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:56      | KH      |
| 131-11-3 | Dimethyl phthalate            | ND            |      | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:56      | KH      |
| 84-74-2  | Di-n-butyl phthalate          | ND            |      | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:56      | KH      |
| 117-84-0 | Di-n-octyl phthalate          | ND            |      | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:56      | KH      |
| 206-44-0 | <b>Fluoranthene</b>           | <b>0.494</b>  |      | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:56      | KH      |
| 86-73-7  | Fluorene                      | ND            |      | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/11/2023 08:27      | 01/12/2023 21:56      | KH      |
| 118-74-1 | Hexachlorobenzene             | ND            |      | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:56      | KH      |
| 87-68-3  | Hexachlorobutadiene           | ND            |      | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:56      | KH      |
| 77-47-4  | Hexachlorocyclopentadiene     | ND            |      | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:56      | KH      |
| 67-72-1  | Hexachloroethane              | ND            |      | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:56      | KH      |
| 193-39-5 | <b>Indeno(1,2,3-cd)pyrene</b> | <b>0.200</b>  |      | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:56      | KH      |
| 78-59-1  | Isophorone                    | ND            |      | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:56      | KH      |
| 91-20-3  | Naphthalene                   | ND            |      | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:56      | KH      |
| 98-95-3  | Nitrobenzene                  | ND            |      | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:56      | KH      |
| 62-75-9  | N-Nitrosodimethylamine        | ND            |      | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:56      | KH      |



## Sample Information

**Client Sample ID:** B-2W 2-4

**York Sample ID:** 23A0373-09

York Project (SDG) No.  
23A0373

Client Project ID  
21003-0004

Matrix  
Soil

Collection Date/Time  
January 6, 2023 1:43 pm

Date Received  
01/05/2023

### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                                | Result        | Flag                    | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|------------------------------------------|---------------|-------------------------|-----------|------------------------|--------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 621-64-7                    | N-nitroso-di-n-propylamine               | ND            |                         | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:56      | KH      |
| 86-30-6                     | N-Nitrosodiphenylamine                   | ND            |                         | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:56      | KH      |
| 87-86-5                     | Pentachlorophenol                        | ND            |                         | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:56      | KH      |
| 85-01-8                     | <b>Phenanthrene</b>                      | <b>0.151</b>  |                         | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:56      | KH      |
| 108-95-2                    | Phenol                                   | ND            |                         | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:56      | KH      |
| 129-00-0                    | <b>Pyrene</b>                            | <b>0.497</b>  |                         | mg/kg dry | 0.0442                 | 0.0882 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:27      | 01/12/2023 21:56      | KH      |
| <b>Surrogate Recoveries</b> |                                          | <b>Result</b> | <b>Acceptance Range</b> |           |                        |        |          |                                                                      |                       |                       |         |
| 367-12-4                    | Surrogate: SURR: 2-Fluorophenol          | 57.1 %        | 20-108                  |           |                        |        |          |                                                                      |                       |                       |         |
| 4165-62-2                   | Surrogate: SURR: Phenol-d5               | 57.6 %        | 23-114                  |           |                        |        |          |                                                                      |                       |                       |         |
| 4165-60-0                   | Surrogate: SURR: Nitrobenzene-d5         | 44.6 %        | 22-108                  |           |                        |        |          |                                                                      |                       |                       |         |
| 321-60-8                    | Surrogate: SURR: 2-Fluorobiphenyl        | 58.6 %        | 21-113                  |           |                        |        |          |                                                                      |                       |                       |         |
| 118-79-6                    | Surrogate: SURR:<br>2,4,6-Tribromophenol | 62.3 %        | 19-110                  |           |                        |        |          |                                                                      |                       |                       |         |
| 1718-51-0                   | Surrogate: SURR: Terphenyl-d14           | 68.6 %        | 24-116                  |           |                        |        |          |                                                                      |                       |                       |         |

### Pesticides, 8081 target list

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.    | Parameter        | Result | Flag | Units     | Reported to<br>LOQ | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|------------------|--------|------|-----------|--------------------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 72-54-8    | 4,4'-DDD         | ND     |      | mg/kg dry | 0.00173            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 21:58      | BJ      |
| 72-55-9    | 4,4'-DDE         | ND     |      | mg/kg dry | 0.00173            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 21:58      | BJ      |
| 50-29-3    | 4,4'-DDT         | ND     |      | mg/kg dry | 0.00173            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 21:58      | BJ      |
| 309-00-2   | Aldrin           | ND     |      | mg/kg dry | 0.00173            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 21:58      | BJ      |
| 319-84-6   | alpha-BHC        | ND     |      | mg/kg dry | 0.00173            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 21:58      | BJ      |
| 5103-71-9  | alpha-Chlordane  | ND     |      | mg/kg dry | 0.00173            | 5        | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP                     | 01/09/2023 08:49      | 01/13/2023 21:58      | BJ      |
| 319-85-7   | beta-BHC         | ND     |      | mg/kg dry | 0.00173            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 21:58      | BJ      |
| 12789-03-6 | Chlordane, total | ND     |      | mg/kg dry | 0.0346             | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 21:58      | BJ      |
| 319-86-8   | delta-BHC        | ND     |      | mg/kg dry | 0.00173            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 21:58      | BJ      |
| 60-57-1    | Dieldrin         | ND     |      | mg/kg dry | 0.00173            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49      | 01/13/2023 21:58      | BJ      |



## Sample Information

**Client Sample ID:** B-2W 2-4

**York Sample ID:** 23A0373-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0373

21003-0004

Soil

January 6, 2023 1:43 pm

01/05/2023

### Pesticides, 8081 target list

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                       | Result        | Flag                    | Units     | Reported to LOQ | Dilution | Reference Method                                                     | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|-------------------------|-----------|-----------------|----------|----------------------------------------------------------------------|--------------------|--------------------|---------|
| 959-98-8                    | Endosulfan I                    | ND            |                         | mg/kg dry | 0.00173         | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49   | 01/13/2023 21:58   | BJ      |
| 33213-65-9                  | Endosulfan II                   | ND            |                         | mg/kg dry | 0.00173         | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49   | 01/13/2023 21:58   | BJ      |
| 1031-07-8                   | Endosulfan sulfate              | ND            |                         | mg/kg dry | 0.00173         | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49   | 01/13/2023 21:58   | BJ      |
| 72-20-8                     | Endrin                          | ND            |                         | mg/kg dry | 0.00173         | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49   | 01/13/2023 21:58   | BJ      |
| 7421-93-4                   | Endrin aldehyde                 | ND            |                         | mg/kg dry | 0.00173         | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49   | 01/13/2023 21:58   | BJ      |
| 53494-70-5                  | Endrin ketone                   | ND            |                         | mg/kg dry | 0.00173         | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49   | 01/13/2023 21:58   | BJ      |
| 58-89-9                     | gamma-BHC (Lindane)             | ND            |                         | mg/kg dry | 0.00173         | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49   | 01/13/2023 21:58   | BJ      |
| 5566-34-7                   | gamma-Chlordane                 | ND            |                         | mg/kg dry | 0.00173         | 5        | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP                     | 01/09/2023 08:49   | 01/13/2023 21:58   | BJ      |
| 76-44-8                     | Heptachlor                      | ND            |                         | mg/kg dry | 0.00173         | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49   | 01/13/2023 21:58   | BJ      |
| 1024-57-3                   | Heptachlor epoxide              | ND            |                         | mg/kg dry | 0.00173         | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49   | 01/13/2023 21:58   | BJ      |
| 72-43-5                     | Methoxychlor                    | ND            |                         | mg/kg dry | 0.00864         | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49   | 01/13/2023 21:58   | BJ      |
| 8001-35-2                   | Toxaphene                       | ND            |                         | mg/kg dry | 0.0875          | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/09/2023 08:49   | 01/13/2023 21:58   | BJ      |
| <b>Surrogate Recoveries</b> |                                 | <b>Result</b> | <b>Acceptance Range</b> |           |                 |          |                                                                      |                    |                    |         |
| 2051-24-3                   | Surrogate: Decachlorobiphenyl   | 60.6 %        | 30-150                  |           |                 |          |                                                                      |                    |                    |         |
| 877-09-8                    | Surrogate: Tetrachloro-m-xylene | 53.0 %        | 30-150                  |           |                 |          |                                                                      |                    |                    |         |

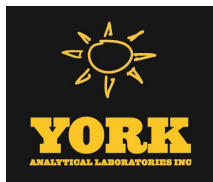
### Polychlorinated Biphenyls (PCB)

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.    | Parameter    | Result | Flag | Units     | Reported to LOQ | Dilution | Reference Method                                                     | Date/Time Prepared | Date/Time Analyzed | Analyst |
|------------|--------------|--------|------|-----------|-----------------|----------|----------------------------------------------------------------------|--------------------|--------------------|---------|
| 12674-11-2 | Aroclor 1016 | ND     |      | mg/kg dry | 0.0175          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/09/2023 08:49   | 01/12/2023 23:16   | BJ      |
| 11104-28-2 | Aroclor 1221 | ND     |      | mg/kg dry | 0.0175          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/09/2023 08:49   | 01/12/2023 23:16   | BJ      |
| 11141-16-5 | Aroclor 1232 | ND     |      | mg/kg dry | 0.0175          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/09/2023 08:49   | 01/12/2023 23:16   | BJ      |
| 53469-21-9 | Aroclor 1242 | ND     |      | mg/kg dry | 0.0175          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/09/2023 08:49   | 01/12/2023 23:16   | BJ      |
| 12672-29-6 | Aroclor 1248 | ND     |      | mg/kg dry | 0.0175          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/09/2023 08:49   | 01/12/2023 23:16   | BJ      |
| 11097-69-1 | Aroclor 1254 | ND     |      | mg/kg dry | 0.0175          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/09/2023 08:49   | 01/12/2023 23:16   | BJ      |



## Sample Information

**Client Sample ID:** B-2W 2-4

**York Sample ID:** 23A0373-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0373

21003-0004

Soil

January 6, 2023 1:43 pm

01/05/2023

### Polychlorinated Biphenyls (PCB)

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                       | Result        | Flag | Units                   | Reported to LOQ | Dilution | Reference Method                                                     | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|------|-------------------------|-----------------|----------|----------------------------------------------------------------------|--------------------|--------------------|---------|
| 11096-82-5                  | Aroclor 1260                    | ND            |      | mg/kg dry               | 0.0175          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/09/2023 08:49   | 01/12/2023 23:16   | BJ      |
| 37324-23-5                  | Aroclor 1262                    | ND            |      | mg/kg dry               | 0.0175          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/09/2023 08:49   | 01/12/2023 23:16   | BJ      |
| 11100-14-4                  | Aroclor 1268                    | ND            |      | mg/kg dry               | 0.0175          | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/09/2023 08:49   | 01/12/2023 23:16   | BJ      |
| 1336-36-3                   | * Total PCBs                    | ND            |      | mg/kg dry               | 0.0175          | 1        | EPA 8082A<br>Certifications:                                         | 01/09/2023 08:49   | 01/12/2023 23:16   | BJ      |
| <b>Surrogate Recoveries</b> |                                 | <b>Result</b> |      | <b>Acceptance Range</b> |                 |          |                                                                      |                    |                    |         |
| 877-09-8                    | Surrogate: Tetrachloro-m-xylene | 70.5 %        |      | 30-140                  |                 |          |                                                                      |                    |                    |         |
| 2051-24-3                   | Surrogate: Decachlorobiphenyl   | 60.5 %        |      | 30-140                  |                 |          |                                                                      |                    |                    |         |

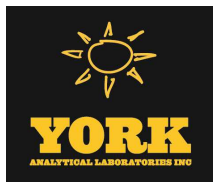
### Metals, Target Analyte

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter        | Result       | Flag | Units     | Reported to LOQ | Dilution | Reference Method                                                     | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------|------------------|--------------|------|-----------|-----------------|----------|----------------------------------------------------------------------|--------------------|--------------------|---------|
| 7429-90-5 | <b>Aluminum</b>  | <b>6440</b>  |      | mg/kg dry | 4.44            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 17:15   | CW      |
| 7440-36-0 | <b>Antimony</b>  | <b>2.91</b>  |      | mg/kg dry | 2.22            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 17:15   | CW      |
| 7440-38-2 | <b>Arsenic</b>   | <b>8.33</b>  |      | mg/kg dry | 1.33            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 17:15   | CW      |
| 7440-39-3 | <b>Barium</b>    | <b>124</b>   |      | mg/kg dry | 2.22            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 17:15   | CW      |
| 7440-41-7 | <b>Beryllium</b> | <b>0.274</b> |      | mg/kg dry | 0.045           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 17:15   | CW      |
| 7440-43-9 | Cadmium          | ND           |      | mg/kg dry | 0.266           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 17:15   | CW      |
| 7440-70-2 | <b>Calcium</b>   | <b>2510</b>  |      | mg/kg dry | 4.44            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 17:15   | CW      |
| 7440-47-3 | <b>Chromium</b>  | <b>12.0</b>  |      | mg/kg dry | 0.444           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 17:15   | CW      |
| 7440-48-4 | <b>Cobalt</b>    | <b>2.21</b>  |      | mg/kg dry | 0.355           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 17:15   | CW      |
| 7440-50-8 | <b>Copper</b>    | <b>20.0</b>  |      | mg/kg dry | 1.78            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 17:15   | CW      |
| 7439-89-6 | <b>Iron</b>      | <b>15900</b> |      | mg/kg dry | 22.2            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 17:15   | CW      |
| 7439-92-1 | <b>Lead</b>      | <b>395</b>   |      | mg/kg dry | 0.444           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 17:15   | CW      |
| 7439-95-4 | <b>Magnesium</b> | <b>644</b>   |      | mg/kg dry | 4.44            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 17:15   | CW      |



## Sample Information

**Client Sample ID:** B-2W 2-4

**York Sample ID:** 23A0373-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0373

21003-0004

Soil

January 6, 2023 1:43 pm

01/05/2023

### Metals, Target Analyte

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter | Result | Flag | Units     | Reported to LOQ | Dilution | Reference Method                                                     | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|-----------------|----------|----------------------------------------------------------------------|--------------------|--------------------|---------|
| 7439-96-5 | Manganese | 64.3   |      | mg/kg dry | 0.444           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 17:15   | CW      |
| 7440-02-0 | Nickel    | 6.83   |      | mg/kg dry | 0.884           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 17:15   | CW      |
| 7440-09-7 | Potassium | 469    | B    | mg/kg dry | 4.44            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 17:15   | CW      |
| 7782-49-2 | Selenium  | ND     |      | mg/kg dry | 2.22            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 17:15   | CW      |
| 7440-22-4 | Silver    | ND     |      | mg/kg dry | 0.447           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 17:15   | CW      |
| 7440-23-5 | Sodium    | 55.4   |      | mg/kg dry | 44.4            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 17:15   | CW      |
| 7440-28-0 | Thallium  | ND     |      | mg/kg dry | 2.22            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 17:15   | CW      |
| 7440-62-2 | Vanadium  | 14.1   |      | mg/kg dry | 0.884           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 17:15   | CW      |
| 7440-66-6 | Zinc      | 178    |      | mg/kg dry | 2.21            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 14:08   | 01/13/2023 17:15   | CW      |

### Mercury by 7473

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 7473 soil

| CAS No.   | Parameter | Result | Flag | Units     | Reported to LOQ | Dilution | Reference Method                                                    | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|-----------------|----------|---------------------------------------------------------------------|--------------------|--------------------|---------|
| 7439-97-6 | Mercury   | 0.843  |      | mg/kg dry | 0.0320          | 1        | EPA 7473<br>Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP | 01/10/2023 09:24   | 01/10/2023 12:17   | MR      |

### 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 | 93.9   |      | %     | 0.100           | 1        | SM 2540G<br>Certifications: CTDOH-PH-0723 | 01/10/2023 13:47   | 01/10/2023 16:12   | S_S     |



## Analytical Batch Summary

**Batch ID:** BA30314

**Preparation Method:** EPA 3550C

**Prepared By:** FK

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 23A0373-01     | B-6 0-2          | 01/09/23         |
| 23A0373-01     | B-6 0-2          | 01/09/23         |
| 23A0373-02     | B-6 2-4          | 01/09/23         |
| 23A0373-02     | B-6 2-4          | 01/09/23         |
| 23A0373-03     | B-4 0-2          | 01/09/23         |
| 23A0373-03     | B-4 0-2          | 01/09/23         |
| 23A0373-04     | B-4 2-4          | 01/09/23         |
| 23A0373-04     | B-4 2-4          | 01/09/23         |
| 23A0373-05     | B-3 0-2          | 01/09/23         |
| 23A0373-05     | B-3 0-2          | 01/09/23         |
| 23A0373-06     | B-5 0-2          | 01/09/23         |
| 23A0373-06     | B-5 0-2          | 01/09/23         |
| 23A0373-07     | B-5 2-4          | 01/09/23         |
| 23A0373-07     | B-5 2-4          | 01/09/23         |
| 23A0373-08     | B-2W 0-2         | 01/09/23         |
| 23A0373-08     | B-2W 0-2         | 01/09/23         |
| 23A0373-09     | B-2W 2-4         | 01/09/23         |
| 23A0373-09     | B-2W 2-4         | 01/09/23         |
| BA30314-BLK1   | Blank            | 01/09/23         |
| BA30314-BLK2   | Blank            | 01/09/23         |
| BA30314-BS1    | LCS              | 01/09/23         |
| BA30314-BS2    | LCS              | 01/09/23         |
| BA30314-MS2    | Matrix Spike     | 01/09/23         |
| BA30314-MSD2   | Matrix Spike Dup | 01/09/23         |

**Batch ID:** BA30369

**Preparation Method:** EPA 5035A

**Prepared By:** JTG

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 23A0373-03     | B-4 0-2          | 01/10/23         |
| 23A0373-04     | B-4 2-4          | 01/10/23         |
| 23A0373-05     | B-3 0-2          | 01/10/23         |
| 23A0373-06     | B-5 0-2          | 01/10/23         |
| 23A0373-07     | B-5 2-4          | 01/10/23         |
| 23A0373-08     | B-2W 0-2         | 01/10/23         |
| 23A0373-09     | B-2W 2-4         | 01/10/23         |
| BA30369-BLK1   | Blank            | 01/10/23         |
| BA30369-BS1    | LCS              | 01/10/23         |
| BA30369-BSD1   | LCS Dup          | 01/10/23         |

**Batch ID:** BA30370

**Preparation Method:** EPA 5035A

**Prepared By:** JTG

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 23A0373-01     | B-6 0-2          | 01/11/23         |
| 23A0373-02     | B-6 2-4          | 01/11/23         |
| BA30370-BLK1   | Blank            | 01/11/23         |



BA30370-BS1 LCS 01/11/23  
BA30370-BSD1 LCS Dup 01/11/23

**Batch ID:** BA30390 **Preparation Method:** EPA 7473 soil **Prepared By:** MR

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 23A0373-01     | B-6 0-2          | 01/10/23         |
| 23A0373-02     | B-6 2-4          | 01/10/23         |
| 23A0373-03     | B-4 0-2          | 01/10/23         |
| 23A0373-04     | B-4 2-4          | 01/10/23         |
| 23A0373-05     | B-3 0-2          | 01/10/23         |
| 23A0373-06     | B-5 0-2          | 01/10/23         |
| BA30390-BLK1   | Blank            | 01/10/23         |
| BA30390-DUP1   | Duplicate        | 01/10/23         |
| BA30390-MS1    | Matrix Spike     | 01/10/23         |
| BA30390-SRM1   | Reference        | 01/10/23         |

**Batch ID:** BA30391 **Preparation Method:** EPA 7473 soil **Prepared By:** MR

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 23A0373-07     | B-5 2-4          | 01/10/23         |
| 23A0373-08     | B-2W 0-2         | 01/10/23         |
| 23A0373-09     | B-2W 2-4         | 01/10/23         |
| BA30391-BLK1   | Blank            | 01/10/23         |
| BA30391-DUP1   | Duplicate        | 01/10/23         |
| BA30391-MS1    | Matrix Spike     | 01/10/23         |
| BA30391-SRM1   | Reference        | 01/10/23         |

**Batch ID:** BA30413 **Preparation Method:** % Solids Prep **Prepared By:** S\_S

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 23A0373-01     | B-6 0-2          | 01/10/23         |
| 23A0373-02     | B-6 2-4          | 01/10/23         |
| 23A0373-03     | B-4 0-2          | 01/10/23         |
| 23A0373-04     | B-4 2-4          | 01/10/23         |
| 23A0373-05     | B-3 0-2          | 01/10/23         |
| 23A0373-06     | B-5 0-2          | 01/10/23         |
| 23A0373-07     | B-5 2-4          | 01/10/23         |
| 23A0373-08     | B-2W 0-2         | 01/10/23         |
| 23A0373-09     | B-2W 2-4         | 01/10/23         |
| BA30413-DUP1   | Duplicate        | 01/10/23         |

**Batch ID:** BA30467 **Preparation Method:** EPA 3550C **Prepared By:** FK

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 23A0373-01     | B-6 0-2          | 01/11/23         |
| 23A0373-02     | B-6 2-4          | 01/11/23         |
| 23A0373-03     | B-4 0-2          | 01/11/23         |
| 23A0373-03RE1  | B-4 0-2          | 01/11/23         |





|               |                  |          |
|---------------|------------------|----------|
| 23A0373-04    | B-4 2-4          | 01/11/23 |
| 23A0373-04RE1 | B-4 2-4          | 01/11/23 |
| 23A0373-05    | B-3 0-2          | 01/11/23 |
| 23A0373-07    | B-5 2-4          | 01/11/23 |
| 23A0373-08    | B-2W 0-2         | 01/11/23 |
| 23A0373-09    | B-2W 2-4         | 01/11/23 |
| BA30467-BLK1  | Blank            | 01/11/23 |
| BA30467-BS1   | LCS              | 01/11/23 |
| BA30467-MS1   | Matrix Spike     | 01/11/23 |
| BA30467-MSD1  | Matrix Spike Dup | 01/11/23 |

**Batch ID:** BA30569      **Preparation Method:** EPA 3050B      **Prepared By:** KMQ

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 23A0373-01     | B-6 0-2          | 01/12/23         |
| 23A0373-02     | B-6 2-4          | 01/12/23         |
| 23A0373-03     | B-4 0-2          | 01/12/23         |
| 23A0373-04     | B-4 2-4          | 01/12/23         |
| 23A0373-05     | B-3 0-2          | 01/12/23         |
| 23A0373-06     | B-5 0-2          | 01/12/23         |
| 23A0373-07     | B-5 2-4          | 01/12/23         |
| 23A0373-08     | B-2W 0-2         | 01/12/23         |
| 23A0373-09     | B-2W 2-4         | 01/12/23         |
| BA30569-BLK1   | Blank            | 01/12/23         |
| BA30569-DUP1   | Duplicate        | 01/12/23         |
| BA30569-MS1    | Matrix Spike     | 01/12/23         |
| BA30569-PS1    | Post Spike       | 01/12/23         |
| BA30569-SRM1   | Reference        | 01/12/23         |

**Batch ID:** BA30685      **Preparation Method:** EPA 3550C      **Prepared By:** JLM

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 23A0373-06     | B-5 0-2          | 01/16/23         |
| BA30685-BLK1   | Blank            | 01/16/23         |
| BA30685-BS1    | LCS              | 01/16/23         |
| BA30685-MS1    | Matrix Spike     | 01/16/23         |
| BA30685-MSD1   | Matrix Spike Dup | 01/16/23         |



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

### York Analytical Laboratories, Inc. - Stratford

| Analyte                                           | Result | Reporting<br>Limit | Units     | Spike<br>Level | Source*<br>Result | %REC | %REC<br>Limits | Flag | RPD | RPD<br>Limit                    | Flag |
|---------------------------------------------------|--------|--------------------|-----------|----------------|-------------------|------|----------------|------|-----|---------------------------------|------|
| <b>Batch BA30369 - EPA 5035A</b>                  |        |                    |           |                |                   |      |                |      |     |                                 |      |
| <b>Blank (BA30369-BLK1)</b>                       |        |                    |           |                |                   |      |                |      |     | Prepared & Analyzed: 01/10/2023 |      |
| 1,1,1,2-Tetrachloroethane                         | ND     | 0.0050             | mg/kg wet |                |                   |      |                |      |     |                                 |      |
| 1,1,1-Trichloroethane                             | ND     | 0.0050             | "         |                |                   |      |                |      |     |                                 |      |
| 1,1,2,2-Tetrachloroethane                         | ND     | 0.0050             | "         |                |                   |      |                |      |     |                                 |      |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND     | 0.0050             | "         |                |                   |      |                |      |     |                                 |      |
| 1,1,2-Trichloroethane                             | ND     | 0.0050             | "         |                |                   |      |                |      |     |                                 |      |
| 1,1-Dichloroethane                                | ND     | 0.0050             | "         |                |                   |      |                |      |     |                                 |      |
| 1,1-Dichloroethylene                              | ND     | 0.0050             | "         |                |                   |      |                |      |     |                                 |      |
| 1,2,3-Trichlorobenzene                            | ND     | 0.0050             | "         |                |                   |      |                |      |     |                                 |      |
| 1,2,3-Trichloropropane                            | ND     | 0.0050             | "         |                |                   |      |                |      |     |                                 |      |
| 1,2,4-Trichlorobenzene                            | ND     | 0.0050             | "         |                |                   |      |                |      |     |                                 |      |
| 1,2,4-Trimethylbenzene                            | ND     | 0.0050             | "         |                |                   |      |                |      |     |                                 |      |
| 1,2-Dibromo-3-chloropropane                       | ND     | 0.0050             | "         |                |                   |      |                |      |     |                                 |      |
| 1,2-Dibromoethane                                 | ND     | 0.0050             | "         |                |                   |      |                |      |     |                                 |      |
| 1,2-Dichlorobenzene                               | ND     | 0.0050             | "         |                |                   |      |                |      |     |                                 |      |
| 1,2-Dichloroethane                                | ND     | 0.0050             | "         |                |                   |      |                |      |     |                                 |      |
| 1,2-Dichloropropane                               | ND     | 0.0050             | "         |                |                   |      |                |      |     |                                 |      |
| 1,3,5-Trimethylbenzene                            | ND     | 0.0050             | "         |                |                   |      |                |      |     |                                 |      |
| 1,3-Dichlorobenzene                               | ND     | 0.0050             | "         |                |                   |      |                |      |     |                                 |      |
| 1,4-Dichlorobenzene                               | ND     | 0.0050             | "         |                |                   |      |                |      |     |                                 |      |
| 1,4-Dioxane                                       | ND     | 0.10               | "         |                |                   |      |                |      |     |                                 |      |
| 2-Butanone                                        | ND     | 0.0050             | "         |                |                   |      |                |      |     |                                 |      |
| 2-Hexanone                                        | ND     | 0.0050             | "         |                |                   |      |                |      |     |                                 |      |
| 4-Methyl-2-pentanone                              | ND     | 0.0050             | "         |                |                   |      |                |      |     |                                 |      |
| Acetone                                           | ND     | 0.010              | "         |                |                   |      |                |      |     |                                 |      |
| Acrolein                                          | ND     | 0.010              | "         |                |                   |      |                |      |     |                                 |      |
| Acrylonitrile                                     | ND     | 0.0050             | "         |                |                   |      |                |      |     |                                 |      |
| Benzene                                           | ND     | 0.0050             | "         |                |                   |      |                |      |     |                                 |      |
| Bromochloromethane                                | ND     | 0.0050             | "         |                |                   |      |                |      |     |                                 |      |
| Bromodichloromethane                              | ND     | 0.0050             | "         |                |                   |      |                |      |     |                                 |      |
| Bromoform                                         | ND     | 0.0050             | "         |                |                   |      |                |      |     |                                 |      |
| Bromomethane                                      | ND     | 0.0050             | "         |                |                   |      |                |      |     |                                 |      |
| Carbon disulfide                                  | ND     | 0.0050             | "         |                |                   |      |                |      |     |                                 |      |
| Carbon tetrachloride                              | ND     | 0.0050             | "         |                |                   |      |                |      |     |                                 |      |
| Chlorobenzene                                     | ND     | 0.0050             | "         |                |                   |      |                |      |     |                                 |      |
| Chloroethane                                      | ND     | 0.0050             | "         |                |                   |      |                |      |     |                                 |      |
| Chloroform                                        | ND     | 0.0050             | "         |                |                   |      |                |      |     |                                 |      |
| Chloromethane                                     | ND     | 0.0050             | "         |                |                   |      |                |      |     |                                 |      |
| cis-1,2-Dichloroethylene                          | ND     | 0.0050             | "         |                |                   |      |                |      |     |                                 |      |
| cis-1,3-Dichloropropylene                         | ND     | 0.0050             | "         |                |                   |      |                |      |     |                                 |      |
| Cyclohexane                                       | ND     | 0.0050             | "         |                |                   |      |                |      |     |                                 |      |
| Dibromochloromethane                              | ND     | 0.0050             | "         |                |                   |      |                |      |     |                                 |      |
| Dibromomethane                                    | ND     | 0.0050             | "         |                |                   |      |                |      |     |                                 |      |
| Dichlorodifluoromethane                           | ND     | 0.0050             | "         |                |                   |      |                |      |     |                                 |      |
| Ethyl Benzene                                     | ND     | 0.0050             | "         |                |                   |      |                |      |     |                                 |      |
| Hexachlorobutadiene                               | ND     | 0.0050             | "         |                |                   |      |                |      |     |                                 |      |
| Isopropylbenzene                                  | ND     | 0.0050             | "         |                |                   |      |                |      |     |                                 |      |
| Methyl acetate                                    | ND     | 0.0050             | "         |                |                   |      |                |      |     |                                 |      |
| Methyl tert-butyl ether (MTBE)                    | ND     | 0.0050             | "         |                |                   |      |                |      |     |                                 |      |
| Methylcyclohexane                                 | ND     | 0.0050             | "         |                |                   |      |                |      |     |                                 |      |



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

### York Analytical Laboratories, Inc. - Stratford

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

#### Batch BA30369 - EPA 5035A

##### Blank (BA30369-BLK1)

Prepared & Analyzed: 01/10/2023

|                             |    |        |           |
|-----------------------------|----|--------|-----------|
| Methylene chloride          | ND | 0.010  | mg/kg wet |
| n-Butylbenzene              | ND | 0.0050 | "         |
| n-Propylbenzene             | ND | 0.0050 | "         |
| o-Xylene                    | ND | 0.0050 | "         |
| p- & m- Xylenes             | ND | 0.010  | "         |
| p-Isopropyltoluene          | ND | 0.0050 | "         |
| sec-Butylbenzene            | ND | 0.0050 | "         |
| Styrene                     | ND | 0.0050 | "         |
| tert-Butyl alcohol (TBA)    | ND | 0.0050 | "         |
| tert-Butylbenzene           | ND | 0.0050 | "         |
| Tetrachloroethylene         | ND | 0.0050 | "         |
| Toluene                     | ND | 0.0050 | "         |
| trans-1,2-Dichloroethylene  | ND | 0.0050 | "         |
| trans-1,3-Dichloropropylene | ND | 0.0050 | "         |
| Trichloroethylene           | ND | 0.0050 | "         |
| Trichlorofluoromethane      | ND | 0.0050 | "         |
| Vinyl Chloride              | ND | 0.0050 | "         |
| Xylenes, Total              | ND | 0.015  | "         |

|                                         |      |      |      |      |        |
|-----------------------------------------|------|------|------|------|--------|
| Surrogate: SURRE: 1,2-Dichloroethane-d4 | 56.9 | ug/L | 50.0 | 114  | 77-125 |
| Surrogate: SURRE: Toluene-d8            | 47.8 | "    | 50.0 | 95.5 | 85-120 |
| Surrogate: SURRE: p-Bromofluorobenzene  | 47.6 | "    | 50.0 | 95.3 | 76-130 |

##### LCS (BA30369-BS1)

Prepared & Analyzed: 01/10/2023

|                                                   |      |      |      |      |        |
|---------------------------------------------------|------|------|------|------|--------|
| 1,1,1,2-Tetrachloroethane                         | 51   | ug/L | 50.0 | 102  | 75-129 |
| 1,1,1-Trichloroethane                             | 53   | "    | 50.0 | 105  | 71-137 |
| 1,1,2,2-Tetrachloroethane                         | 42   | "    | 50.0 | 84.0 | 79-129 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 55   | "    | 50.0 | 110  | 58-146 |
| 1,1,2-Trichloroethane                             | 44   | "    | 50.0 | 87.3 | 83-123 |
| 1,1-Dichloroethane                                | 44   | "    | 50.0 | 88.2 | 75-130 |
| 1,1-Dichloroethylene                              | 53   | "    | 50.0 | 106  | 64-137 |
| 1,2,3-Trichlorobenzene                            | 43   | "    | 50.0 | 85.2 | 81-140 |
| 1,2,3-Trichloropropane                            | 47   | "    | 50.0 | 93.3 | 81-126 |
| 1,2,4-Trichlorobenzene                            | 43   | "    | 50.0 | 86.2 | 80-141 |
| 1,2,4-Trimethylbenzene                            | 43   | "    | 50.0 | 86.2 | 84-125 |
| 1,2-Dibromo-3-chloropropane                       | 48   | "    | 50.0 | 96.1 | 74-142 |
| 1,2-Dibromoethane                                 | 48   | "    | 50.0 | 95.9 | 86-123 |
| 1,2-Dichlorobenzene                               | 43   | "    | 50.0 | 86.4 | 85-122 |
| 1,2-Dichloroethane                                | 52   | "    | 50.0 | 103  | 71-133 |
| 1,2-Dichloropropane                               | 43   | "    | 50.0 | 85.8 | 81-122 |
| 1,3,5-Trimethylbenzene                            | 44   | "    | 50.0 | 87.7 | 82-126 |
| 1,3-Dichlorobenzene                               | 43   | "    | 50.0 | 85.8 | 84-124 |
| 1,4-Dichlorobenzene                               | 43   | "    | 50.0 | 85.4 | 84-124 |
| 1,4-Dioxane                                       | 1600 | "    | 1050 | 148  | 10-228 |
| 2-Butanone                                        | 44   | "    | 50.0 | 88.3 | 58-147 |
| 2-Hexanone                                        | 43   | "    | 50.0 | 86.3 | 70-139 |
| 4-Methyl-2-pentanone                              | 43   | "    | 50.0 | 85.4 | 72-132 |
| Acetone                                           | 66   | "    | 50.0 | 132  | 36-155 |
| Acrolein                                          | 40   | "    | 50.0 | 80.2 | 10-238 |
| Acrylonitrile                                     | 43   | "    | 50.0 | 85.1 | 66-141 |
| Benzene                                           | 44   | "    | 50.0 | 88.7 | 77-127 |



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

### York Analytical Laboratories, Inc. - Stratford

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source*<br>Result | %REC | %REC<br>Limits | Flag | RPD | RPD<br>Limit | Flag |
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|

#### Batch BA30369 - EPA 5035A

#### LCS (BA30369-BS1)

Prepared & Analyzed: 01/10/2023

|                                        |      |  |      |      |  |      |        |           |  |  |  |
|----------------------------------------|------|--|------|------|--|------|--------|-----------|--|--|--|
| Bromochloromethane                     | 47   |  | ug/L | 50.0 |  | 93.4 | 74-129 |           |  |  |  |
| Bromodichloromethane                   | 50   |  | "    | 50.0 |  | 99.4 | 81-124 |           |  |  |  |
| Bromoform                              | 54   |  | "    | 50.0 |  | 108  | 80-136 |           |  |  |  |
| Bromomethane                           | 51   |  | "    | 50.0 |  | 101  | 32-177 |           |  |  |  |
| Carbon disulfide                       | 68   |  | "    | 50.0 |  | 137  | 10-136 | High Bias |  |  |  |
| Carbon tetrachloride                   | 56   |  | "    | 50.0 |  | 112  | 66-143 |           |  |  |  |
| Chlorobenzene                          | 46   |  | "    | 50.0 |  | 92.2 | 86-120 |           |  |  |  |
| Chloroethane                           | 62   |  | "    | 50.0 |  | 124  | 51-142 |           |  |  |  |
| Chloroform                             | 48   |  | "    | 50.0 |  | 96.2 | 76-131 |           |  |  |  |
| Chloromethane                          | 41   |  | "    | 50.0 |  | 82.7 | 49-132 |           |  |  |  |
| cis-1,2-Dichloroethylene               | 47   |  | "    | 50.0 |  | 93.6 | 74-132 |           |  |  |  |
| cis-1,3-Dichloropropylene              | 46   |  | "    | 50.0 |  | 92.1 | 81-129 |           |  |  |  |
| Cyclohexane                            | 41   |  | "    | 50.0 |  | 82.4 | 70-130 |           |  |  |  |
| Dibromochloromethane                   | 54   |  | "    | 50.0 |  | 108  | 10-200 |           |  |  |  |
| Dibromomethane                         | 46   |  | "    | 50.0 |  | 92.3 | 83-124 |           |  |  |  |
| Dichlorodifluoromethane                | 46   |  | "    | 50.0 |  | 91.7 | 28-158 |           |  |  |  |
| Ethyl Benzene                          | 44   |  | "    | 50.0 |  | 88.7 | 84-125 |           |  |  |  |
| Hexachlorobutadiene                    | 46   |  | "    | 50.0 |  | 92.6 | 83-133 |           |  |  |  |
| Isopropylbenzene                       | 45   |  | "    | 50.0 |  | 89.8 | 81-127 |           |  |  |  |
| Methyl acetate                         | 41   |  | "    | 50.0 |  | 83.0 | 41-143 |           |  |  |  |
| Methyl tert-butyl ether (MTBE)         | 48   |  | "    | 50.0 |  | 95.6 | 74-131 |           |  |  |  |
| Methylcyclohexane                      | 40   |  | "    | 50.0 |  | 79.8 | 70-130 |           |  |  |  |
| Methylene chloride                     | 44   |  | "    | 50.0 |  | 87.2 | 57-141 |           |  |  |  |
| n-Butylbenzene                         | 42   |  | "    | 50.0 |  | 83.6 | 80-130 |           |  |  |  |
| n-Propylbenzene                        | 43   |  | "    | 50.0 |  | 86.0 | 74-136 |           |  |  |  |
| o-Xylene                               | 46   |  | "    | 50.0 |  | 91.2 | 83-123 |           |  |  |  |
| p- & m- Xylenes                        | 89   |  | "    | 100  |  | 89.0 | 82-128 |           |  |  |  |
| p-Isopropyltoluene                     | 45   |  | "    | 50.0 |  | 89.3 | 85-125 |           |  |  |  |
| sec-Butylbenzene                       | 45   |  | "    | 50.0 |  | 89.1 | 83-125 |           |  |  |  |
| Styrene                                | 45   |  | "    | 50.0 |  | 90.3 | 86-126 |           |  |  |  |
| tert-Butyl alcohol (TBA)               | 310  |  | "    | 250  |  | 125  | 70-130 |           |  |  |  |
| tert-Butylbenzene                      | 45   |  | "    | 50.0 |  | 90.9 | 80-127 |           |  |  |  |
| Tetrachloroethylene                    | 42   |  | "    | 50.0 |  | 83.8 | 80-129 |           |  |  |  |
| Toluene                                | 43   |  | "    | 50.0 |  | 85.1 | 85-121 |           |  |  |  |
| trans-1,2-Dichloroethylene             | 45   |  | "    | 50.0 |  | 90.8 | 72-132 |           |  |  |  |
| trans-1,3-Dichloropropylene            | 49   |  | "    | 50.0 |  | 97.3 | 78-132 |           |  |  |  |
| Trichloroethylene                      | 45   |  | "    | 50.0 |  | 90.9 | 84-123 |           |  |  |  |
| Trichlorofluoromethane                 | 60   |  | "    | 50.0 |  | 119  | 62-140 |           |  |  |  |
| Vinyl Chloride                         | 51   |  | "    | 50.0 |  | 103  | 52-130 |           |  |  |  |
| Surrogate: SURR: 1,2-Dichloroethane-d4 | 55.7 |  | "    | 50.0 |  | 111  | 77-125 |           |  |  |  |
| Surrogate: SURR: Toluene-d8            | 48.6 |  | "    | 50.0 |  | 97.1 | 85-120 |           |  |  |  |
| Surrogate: SURR: p-Bromofluorobenzene  | 48.9 |  | "    | 50.0 |  | 97.9 | 76-130 |           |  |  |  |



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

### York Analytical Laboratories, Inc. - Stratford

| Analyte                                           | Result | Reporting Limit | Units | Spike Level | Source* Result | %REC                            | %REC Limits | Flag      | RPD    | RPD Limit | Flag |
|---------------------------------------------------|--------|-----------------|-------|-------------|----------------|---------------------------------|-------------|-----------|--------|-----------|------|
| <b>Batch BA30369 - EPA 5035A</b>                  |        |                 |       |             |                |                                 |             |           |        |           |      |
| <b>LCS Dup (BA30369-BSD1)</b>                     |        |                 |       |             |                | Prepared & Analyzed: 01/10/2023 |             |           |        |           |      |
| 1,1,1,2-Tetrachloroethane                         | 52     |                 | ug/L  | 50.0        |                | 105                             | 75-129      |           | 2.53   | 30        |      |
| 1,1,1-Trichloroethane                             | 54     |                 | "     | 50.0        |                | 108                             | 71-137      |           | 2.53   | 30        |      |
| 1,1,2,2-Tetrachloroethane                         | 44     |                 | "     | 50.0        |                | 87.1                            | 79-129      |           | 3.65   | 30        |      |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 55     |                 | "     | 50.0        |                | 111                             | 58-146      |           | 0.742  | 30        |      |
| 1,1,2-Trichloroethane                             | 44     |                 | "     | 50.0        |                | 88.5                            | 83-123      |           | 1.43   | 30        |      |
| 1,1-Dichloroethane                                | 44     |                 | "     | 50.0        |                | 88.2                            | 75-130      |           | 0.0680 | 30        |      |
| 1,1-Dichloroethylene                              | 54     |                 | "     | 50.0        |                | 108                             | 64-137      |           | 1.76   | 30        |      |
| 1,2,3-Trichlorobenzene                            | 46     |                 | "     | 50.0        |                | 91.4                            | 81-140      |           | 6.95   | 30        |      |
| 1,2,3-Trichloropropane                            | 47     |                 | "     | 50.0        |                | 94.5                            | 81-126      |           | 1.28   | 30        |      |
| 1,2,4-Trichlorobenzene                            | 48     |                 | "     | 50.0        |                | 95.2                            | 80-141      |           | 9.94   | 30        |      |
| 1,2,4-Trimethylbenzene                            | 45     |                 | "     | 50.0        |                | 89.6                            | 84-125      |           | 3.80   | 30        |      |
| 1,2-Dibromo-3-chloropropane                       | 48     |                 | "     | 50.0        |                | 95.7                            | 74-142      |           | 0.417  | 30        |      |
| 1,2-Dibromoethane                                 | 49     |                 | "     | 50.0        |                | 98.5                            | 86-123      |           | 2.69   | 30        |      |
| 1,2-Dichlorobenzene                               | 45     |                 | "     | 50.0        |                | 89.3                            | 85-122      |           | 3.32   | 30        |      |
| 1,2-Dichloroethane                                | 53     |                 | "     | 50.0        |                | 105                             | 71-133      |           | 2.11   | 30        |      |
| 1,2-Dichloropropane                               | 44     |                 | "     | 50.0        |                | 87.7                            | 81-122      |           | 2.21   | 30        |      |
| 1,3,5-Trimethylbenzene                            | 46     |                 | "     | 50.0        |                | 91.0                            | 82-126      |           | 3.76   | 30        |      |
| 1,3-Dichlorobenzene                               | 45     |                 | "     | 50.0        |                | 90.6                            | 84-124      |           | 5.40   | 30        |      |
| 1,4-Dichlorobenzene                               | 45     |                 | "     | 50.0        |                | 89.8                            | 84-124      |           | 5.07   | 30        |      |
| 1,4-Dioxane                                       | 1500   |                 | "     | 1050        |                | 147                             | 10-228      |           | 0.672  | 30        |      |
| 2-Butanone                                        | 42     |                 | "     | 50.0        |                | 83.4                            | 58-147      |           | 5.61   | 30        |      |
| 2-Hexanone                                        | 45     |                 | "     | 50.0        |                | 89.1                            | 70-139      |           | 3.10   | 30        |      |
| 4-Methyl-2-pentanone                              | 45     |                 | "     | 50.0        |                | 89.0                            | 72-132      |           | 4.10   | 30        |      |
| Acetone                                           | 64     |                 | "     | 50.0        |                | 129                             | 36-155      |           | 2.40   | 30        |      |
| Acrolein                                          | 43     |                 | "     | 50.0        |                | 85.9                            | 10-238      |           | 6.79   | 30        |      |
| Acrylonitrile                                     | 43     |                 | "     | 50.0        |                | 86.6                            | 66-141      |           | 1.72   | 30        |      |
| Benzene                                           | 44     |                 | "     | 50.0        |                | 88.9                            | 77-127      |           | 0.203  | 30        |      |
| Bromochloromethane                                | 47     |                 | "     | 50.0        |                | 94.5                            | 74-129      |           | 1.13   | 30        |      |
| Bromodichloromethane                              | 51     |                 | "     | 50.0        |                | 101                             | 81-124      |           | 1.73   | 30        |      |
| Bromoform                                         | 56     |                 | "     | 50.0        |                | 112                             | 80-136      |           | 3.44   | 30        |      |
| Bromomethane                                      | 53     |                 | "     | 50.0        |                | 107                             | 32-177      |           | 5.18   | 30        |      |
| Carbon disulfide                                  | 69     |                 | "     | 50.0        |                | 137                             | 10-136      | High Bias | 0.0876 | 30        |      |
| Carbon tetrachloride                              | 56     |                 | "     | 50.0        |                | 113                             | 66-143      |           | 0.160  | 30        |      |
| Chlorobenzene                                     | 47     |                 | "     | 50.0        |                | 94.4                            | 86-120      |           | 2.36   | 30        |      |
| Chloroethane                                      | 59     |                 | "     | 50.0        |                | 117                             | 51-142      |           | 5.73   | 30        |      |
| Chloroform                                        | 49     |                 | "     | 50.0        |                | 97.8                            | 76-131      |           | 1.65   | 30        |      |
| Chloromethane                                     | 40     |                 | "     | 50.0        |                | 80.2                            | 49-132      |           | 3.14   | 30        |      |
| cis-1,2-Dichloroethylene                          | 48     |                 | "     | 50.0        |                | 96.3                            | 74-132      |           | 2.82   | 30        |      |
| cis-1,3-Dichloropropylene                         | 48     |                 | "     | 50.0        |                | 96.4                            | 81-129      |           | 4.48   | 30        |      |
| Cyclohexane                                       | 42     |                 | "     | 50.0        |                | 83.4                            | 70-130      |           | 1.18   | 30        |      |
| Dibromochloromethane                              | 55     |                 | "     | 50.0        |                | 110                             | 10-200      |           | 2.30   | 30        |      |
| Dibromomethane                                    | 47     |                 | "     | 50.0        |                | 94.3                            | 83-124      |           | 2.21   | 30        |      |
| Dichlorodifluoromethane                           | 43     |                 | "     | 50.0        |                | 86.5                            | 28-158      |           | 5.82   | 30        |      |
| Ethyl Benzene                                     | 45     |                 | "     | 50.0        |                | 90.8                            | 84-125      |           | 2.34   | 30        |      |
| Hexachlorobutadiene                               | 47     |                 | "     | 50.0        |                | 94.6                            | 83-133      |           | 2.14   | 30        |      |
| Isopropylbenzene                                  | 46     |                 | "     | 50.0        |                | 92.2                            | 81-127      |           | 2.70   | 30        |      |
| Methyl acetate                                    | 41     |                 | "     | 50.0        |                | 82.6                            | 41-143      |           | 0.411  | 30        |      |
| Methyl tert-butyl ether (MTBE)                    | 48     |                 | "     | 50.0        |                | 96.4                            | 74-131      |           | 0.792  | 30        |      |
| Methylcyclohexane                                 | 41     |                 | "     | 50.0        |                | 81.6                            | 70-130      |           | 2.18   | 30        |      |
| Methylene chloride                                | 44     |                 | "     | 50.0        |                | 87.5                            | 57-141      |           | 0.298  | 30        |      |



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

### York Analytical Laboratories, Inc. - Stratford

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

#### Batch BA30369 - EPA 5035A

##### LCS Dup (BA30369-BSD1)

Prepared & Analyzed: 01/10/2023

|                                        |      |  |      |      |  |      |        |  |      |    |  |
|----------------------------------------|------|--|------|------|--|------|--------|--|------|----|--|
| n-Butylbenzene                         | 44   |  | ug/L | 50.0 |  | 88.7 | 80-130 |  | 5.92 | 30 |  |
| n-Propylbenzene                        | 44   |  | "    | 50.0 |  | 88.7 | 74-136 |  | 3.09 | 30 |  |
| o-Xylene                               | 46   |  | "    | 50.0 |  | 92.2 | 83-123 |  | 1.09 | 30 |  |
| p- & m- Xylenes                        | 92   |  | "    | 100  |  | 92.1 | 82-128 |  | 3.38 | 30 |  |
| p-Isopropyltoluene                     | 47   |  | "    | 50.0 |  | 94.1 | 85-125 |  | 5.28 | 30 |  |
| sec-Butylbenzene                       | 46   |  | "    | 50.0 |  | 91.1 | 83-125 |  | 2.22 | 30 |  |
| Styrene                                | 47   |  | "    | 50.0 |  | 93.7 | 86-126 |  | 3.69 | 30 |  |
| tert-Butyl alcohol (TBA)               | 320  |  | "    | 250  |  | 128  | 70-130 |  | 2.34 | 30 |  |
| tert-Butylbenzene                      | 47   |  | "    | 50.0 |  | 94.0 | 80-127 |  | 3.31 | 30 |  |
| Tetrachloroethylene                    | 43   |  | "    | 50.0 |  | 86.0 | 80-129 |  | 2.59 | 30 |  |
| Toluene                                | 43   |  | "    | 50.0 |  | 86.4 | 85-121 |  | 1.52 | 30 |  |
| trans-1,2-Dichloroethylene             | 46   |  | "    | 50.0 |  | 92.3 | 72-132 |  | 1.66 | 30 |  |
| trans-1,3-Dichloropropylene            | 51   |  | "    | 50.0 |  | 102  | 78-132 |  | 5.19 | 30 |  |
| Trichloroethylene                      | 46   |  | "    | 50.0 |  | 92.4 | 84-123 |  | 1.64 | 30 |  |
| Trichlorofluoromethane                 | 60   |  | "    | 50.0 |  | 121  | 62-140 |  | 1.60 | 30 |  |
| Vinyl Chloride                         | 50   |  | "    | 50.0 |  | 99.3 | 52-130 |  | 3.47 | 30 |  |
| Surrogate: SURR: 1,2-Dichloroethane-d4 | 56.2 |  | "    | 50.0 |  | 112  | 77-125 |  |      |    |  |
| Surrogate: SURR: Toluene-d8            | 48.6 |  | "    | 50.0 |  | 97.2 | 85-120 |  |      |    |  |
| Surrogate: SURR: p-Bromofluorobenzene  | 49.6 |  | "    | 50.0 |  | 99.2 | 76-130 |  |      |    |  |

#### Batch BA30370 - EPA 5035A

##### Blank (BA30370-BLK1)

Prepared & Analyzed: 01/11/2023

|                                                   |    |        |           |  |  |  |  |  |  |  |  |
|---------------------------------------------------|----|--------|-----------|--|--|--|--|--|--|--|--|
| 1,1,1,2-Tetrachloroethane                         | ND | 0.0050 | mg/kg wet |  |  |  |  |  |  |  |  |
| 1,1,1-Trichloroethane                             | ND | 0.0050 | "         |  |  |  |  |  |  |  |  |
| 1,1,2,2-Tetrachloroethane                         | ND | 0.0050 | "         |  |  |  |  |  |  |  |  |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | 0.0050 | "         |  |  |  |  |  |  |  |  |
| 1,1,2-Trichloroethane                             | ND | 0.0050 | "         |  |  |  |  |  |  |  |  |
| 1,1-Dichloroethane                                | ND | 0.0050 | "         |  |  |  |  |  |  |  |  |
| 1,1-Dichloroethylene                              | ND | 0.0050 | "         |  |  |  |  |  |  |  |  |
| 1,2,3-Trichlorobenzene                            | ND | 0.0050 | "         |  |  |  |  |  |  |  |  |
| 1,2,3-Trichloropropane                            | ND | 0.0050 | "         |  |  |  |  |  |  |  |  |
| 1,2,4-Trichlorobenzene                            | ND | 0.0050 | "         |  |  |  |  |  |  |  |  |
| 1,2,4-Trimethylbenzene                            | ND | 0.0050 | "         |  |  |  |  |  |  |  |  |
| 1,2-Dibromo-3-chloropropane                       | ND | 0.0050 | "         |  |  |  |  |  |  |  |  |
| 1,2-Dibromoethane                                 | ND | 0.0050 | "         |  |  |  |  |  |  |  |  |
| 1,2-Dichlorobenzene                               | ND | 0.0050 | "         |  |  |  |  |  |  |  |  |
| 1,2-Dichloroethane                                | ND | 0.0050 | "         |  |  |  |  |  |  |  |  |
| 1,2-Dichloropropane                               | ND | 0.0050 | "         |  |  |  |  |  |  |  |  |
| 1,3,5-Trimethylbenzene                            | ND | 0.0050 | "         |  |  |  |  |  |  |  |  |
| 1,3-Dichlorobenzene                               | ND | 0.0050 | "         |  |  |  |  |  |  |  |  |
| 1,4-Dichlorobenzene                               | ND | 0.0050 | "         |  |  |  |  |  |  |  |  |
| 1,4-Dioxane                                       | ND | 0.10   | "         |  |  |  |  |  |  |  |  |
| 2-Butanone                                        | ND | 0.0050 | "         |  |  |  |  |  |  |  |  |
| 2-Hexanone                                        | ND | 0.0050 | "         |  |  |  |  |  |  |  |  |
| 4-Methyl-2-pentanone                              | ND | 0.0050 | "         |  |  |  |  |  |  |  |  |
| Acetone                                           | ND | 0.010  | "         |  |  |  |  |  |  |  |  |
| Acrolein                                          | ND | 0.010  | "         |  |  |  |  |  |  |  |  |
| Acrylonitrile                                     | ND | 0.0050 | "         |  |  |  |  |  |  |  |  |
| Benzene                                           | ND | 0.0050 | "         |  |  |  |  |  |  |  |  |
| Bromochloromethane                                | ND | 0.0050 | "         |  |  |  |  |  |  |  |  |



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

### York Analytical Laboratories, Inc. - Stratford

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source*<br>Result | %REC | %REC<br>Limits | Flag | RPD | RPD<br>Limit | Flag |
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|

#### Batch BA30370 - EPA 5035A

##### Blank (BA30370-BLK1)

Prepared & Analyzed: 01/11/2023

|                                        |      |        |           |      |  |     |        |  |  |  |  |
|----------------------------------------|------|--------|-----------|------|--|-----|--------|--|--|--|--|
| Bromodichloromethane                   | ND   | 0.0050 | mg/kg wet |      |  |     |        |  |  |  |  |
| Bromoform                              | ND   | 0.0050 | "         |      |  |     |        |  |  |  |  |
| Bromomethane                           | ND   | 0.0050 | "         |      |  |     |        |  |  |  |  |
| Carbon disulfide                       | ND   | 0.0050 | "         |      |  |     |        |  |  |  |  |
| Carbon tetrachloride                   | ND   | 0.0050 | "         |      |  |     |        |  |  |  |  |
| Chlorobenzene                          | ND   | 0.0050 | "         |      |  |     |        |  |  |  |  |
| Chloroethane                           | ND   | 0.0050 | "         |      |  |     |        |  |  |  |  |
| Chloroform                             | ND   | 0.0050 | "         |      |  |     |        |  |  |  |  |
| Chloromethane                          | ND   | 0.0050 | "         |      |  |     |        |  |  |  |  |
| cis-1,2-Dichloroethylene               | ND   | 0.0050 | "         |      |  |     |        |  |  |  |  |
| cis-1,3-Dichloropropylene              | ND   | 0.0050 | "         |      |  |     |        |  |  |  |  |
| Cyclohexane                            | ND   | 0.0050 | "         |      |  |     |        |  |  |  |  |
| Dibromochloromethane                   | ND   | 0.0050 | "         |      |  |     |        |  |  |  |  |
| Dibromomethane                         | ND   | 0.0050 | "         |      |  |     |        |  |  |  |  |
| Dichlorodifluoromethane                | ND   | 0.0050 | "         |      |  |     |        |  |  |  |  |
| Ethyl Benzene                          | ND   | 0.0050 | "         |      |  |     |        |  |  |  |  |
| Hexachlorobutadiene                    | ND   | 0.0050 | "         |      |  |     |        |  |  |  |  |
| Isopropylbenzene                       | ND   | 0.0050 | "         |      |  |     |        |  |  |  |  |
| Methyl acetate                         | ND   | 0.0050 | "         |      |  |     |        |  |  |  |  |
| Methyl tert-butyl ether (MTBE)         | ND   | 0.0050 | "         |      |  |     |        |  |  |  |  |
| Methylcyclohexane                      | ND   | 0.0050 | "         |      |  |     |        |  |  |  |  |
| Methylene chloride                     | ND   | 0.010  | "         |      |  |     |        |  |  |  |  |
| n-Butylbenzene                         | ND   | 0.0050 | "         |      |  |     |        |  |  |  |  |
| n-Propylbenzene                        | ND   | 0.0050 | "         |      |  |     |        |  |  |  |  |
| o-Xylene                               | ND   | 0.0050 | "         |      |  |     |        |  |  |  |  |
| p- & m- Xylenes                        | ND   | 0.010  | "         |      |  |     |        |  |  |  |  |
| p-Isopropyltoluene                     | ND   | 0.0050 | "         |      |  |     |        |  |  |  |  |
| sec-Butylbenzene                       | ND   | 0.0050 | "         |      |  |     |        |  |  |  |  |
| Styrene                                | ND   | 0.0050 | "         |      |  |     |        |  |  |  |  |
| tert-Butyl alcohol (TBA)               | ND   | 0.0050 | "         |      |  |     |        |  |  |  |  |
| tert-Butylbenzene                      | ND   | 0.0050 | "         |      |  |     |        |  |  |  |  |
| Tetrachloroethylene                    | ND   | 0.0050 | "         |      |  |     |        |  |  |  |  |
| Toluene                                | ND   | 0.0050 | "         |      |  |     |        |  |  |  |  |
| trans-1,2-Dichloroethylene             | ND   | 0.0050 | "         |      |  |     |        |  |  |  |  |
| trans-1,3-Dichloropropylene            | ND   | 0.0050 | "         |      |  |     |        |  |  |  |  |
| Trichloroethylene                      | ND   | 0.0050 | "         |      |  |     |        |  |  |  |  |
| Trichlorofluoromethane                 | ND   | 0.0050 | "         |      |  |     |        |  |  |  |  |
| Vinyl Chloride                         | ND   | 0.0050 | "         |      |  |     |        |  |  |  |  |
| Xylenes, Total                         | ND   | 0.015  | "         |      |  |     |        |  |  |  |  |
| Surrogate: SURR: 1,2-Dichloroethane-d4 | 50.1 |        | ug/L      | 50.0 |  | 100 | 77-125 |  |  |  |  |
| Surrogate: SURR: Toluene-d8            | 52.4 |        | "         | 50.0 |  | 105 | 85-120 |  |  |  |  |
| Surrogate: SURR: p-Bromofluorobenzene  | 61.3 |        | "         | 50.0 |  | 123 | 76-130 |  |  |  |  |





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

### York Analytical Laboratories, Inc. - Stratford

| Analyte                                           | Result | Reporting Limit | Units | Spike Level | Source* Result | %REC                            | %REC Limits | Flag     | RPD | RPD Limit | Flag |
|---------------------------------------------------|--------|-----------------|-------|-------------|----------------|---------------------------------|-------------|----------|-----|-----------|------|
| <b>Batch BA30370 - EPA 5035A</b>                  |        |                 |       |             |                |                                 |             |          |     |           |      |
| <b>LCS (BA30370-BS1)</b>                          |        |                 |       |             |                | Prepared & Analyzed: 01/11/2023 |             |          |     |           |      |
| 1,1,1,2-Tetrachloroethane                         | 49     |                 | ug/L  | 50.0        |                | 97.3                            | 75-129      |          |     |           |      |
| 1,1,1-Trichloroethane                             | 45     |                 | "     | 50.0        |                | 90.0                            | 71-137      |          |     |           |      |
| 1,1,2,2-Tetrachloroethane                         | 51     |                 | "     | 50.0        |                | 103                             | 79-129      |          |     |           |      |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 44     |                 | "     | 50.0        |                | 87.5                            | 58-146      |          |     |           |      |
| 1,1,2-Trichloroethane                             | 45     |                 | "     | 50.0        |                | 89.3                            | 83-123      |          |     |           |      |
| 1,1-Dichloroethane                                | 39     |                 | "     | 50.0        |                | 78.8                            | 75-130      |          |     |           |      |
| 1,1-Dichloroethylene                              | 39     |                 | "     | 50.0        |                | 78.7                            | 64-137      |          |     |           |      |
| 1,2,3-Trichlorobenzene                            | 49     |                 | "     | 50.0        |                | 97.4                            | 81-140      |          |     |           |      |
| 1,2,3-Trichloropropane                            | 51     |                 | "     | 50.0        |                | 103                             | 81-126      |          |     |           |      |
| 1,2,4-Trichlorobenzene                            | 50     |                 | "     | 50.0        |                | 99.6                            | 80-141      |          |     |           |      |
| 1,2,4-Trimethylbenzene                            | 48     |                 | "     | 50.0        |                | 95.4                            | 84-125      |          |     |           |      |
| 1,2-Dibromo-3-chloropropane                       | 53     |                 | "     | 50.0        |                | 105                             | 74-142      |          |     |           |      |
| 1,2-Dibromoethane                                 | 47     |                 | "     | 50.0        |                | 94.5                            | 86-123      |          |     |           |      |
| 1,2-Dichlorobenzene                               | 46     |                 | "     | 50.0        |                | 91.8                            | 85-122      |          |     |           |      |
| 1,2-Dichloroethane                                | 40     |                 | "     | 50.0        |                | 80.6                            | 71-133      |          |     |           |      |
| 1,2-Dichloropropane                               | 46     |                 | "     | 50.0        |                | 92.0                            | 81-122      |          |     |           |      |
| 1,3,5-Trimethylbenzene                            | 47     |                 | "     | 50.0        |                | 94.0                            | 82-126      |          |     |           |      |
| 1,3-Dichlorobenzene                               | 48     |                 | "     | 50.0        |                | 95.9                            | 84-124      |          |     |           |      |
| 1,4-Dichlorobenzene                               | 47     |                 | "     | 50.0        |                | 93.7                            | 84-124      |          |     |           |      |
| 1,4-Dioxane                                       | 1700   |                 | "     | 1050        |                | 157                             | 10-228      |          |     |           |      |
| 2-Butanone                                        | 38     |                 | "     | 50.0        |                | 76.8                            | 58-147      |          |     |           |      |
| 2-Hexanone                                        | 46     |                 | "     | 50.0        |                | 92.2                            | 70-139      |          |     |           |      |
| 4-Methyl-2-pentanone                              | 35     |                 | "     | 50.0        |                | 70.8                            | 72-132      | Low Bias |     |           |      |
| Acetone                                           | 29     |                 | "     | 50.0        |                | 57.5                            | 36-155      |          |     |           |      |
| Acrolein                                          | 26     |                 | "     | 50.0        |                | 52.0                            | 10-238      |          |     |           |      |
| Acrylonitrile                                     | 42     |                 | "     | 50.0        |                | 84.4                            | 66-141      |          |     |           |      |
| Benzene                                           | 40     |                 | "     | 50.0        |                | 80.6                            | 77-127      |          |     |           |      |
| Bromochloromethane                                | 40     |                 | "     | 50.0        |                | 80.5                            | 74-129      |          |     |           |      |
| Bromodichloromethane                              | 47     |                 | "     | 50.0        |                | 94.4                            | 81-124      |          |     |           |      |
| Bromoform                                         | 45     |                 | "     | 50.0        |                | 89.3                            | 80-136      |          |     |           |      |
| Bromomethane                                      | 34     |                 | "     | 50.0        |                | 68.5                            | 32-177      |          |     |           |      |
| Carbon disulfide                                  | 44     |                 | "     | 50.0        |                | 87.9                            | 10-136      |          |     |           |      |
| Carbon tetrachloride                              | 45     |                 | "     | 50.0        |                | 89.7                            | 66-143      |          |     |           |      |
| Chlorobenzene                                     | 46     |                 | "     | 50.0        |                | 92.9                            | 86-120      |          |     |           |      |
| Chloroethane                                      | 39     |                 | "     | 50.0        |                | 78.0                            | 51-142      |          |     |           |      |
| Chloroform                                        | 42     |                 | "     | 50.0        |                | 83.1                            | 76-131      |          |     |           |      |
| Chloromethane                                     | 29     |                 | "     | 50.0        |                | 58.8                            | 49-132      |          |     |           |      |
| cis-1,2-Dichloroethylene                          | 41     |                 | "     | 50.0        |                | 81.0                            | 74-132      |          |     |           |      |
| cis-1,3-Dichloropropylene                         | 48     |                 | "     | 50.0        |                | 95.0                            | 81-129      |          |     |           |      |
| Cyclohexane                                       | 40     |                 | "     | 50.0        |                | 80.1                            | 70-130      |          |     |           |      |
| Dibromochloromethane                              | 44     |                 | "     | 50.0        |                | 87.3                            | 10-200      |          |     |           |      |
| Dibromomethane                                    | 45     |                 | "     | 50.0        |                | 89.6                            | 83-124      |          |     |           |      |
| Dichlorodifluoromethane                           | 40     |                 | "     | 50.0        |                | 79.5                            | 28-158      |          |     |           |      |
| Ethyl Benzene                                     | 44     |                 | "     | 50.0        |                | 88.7                            | 84-125      |          |     |           |      |
| Hexachlorobutadiene                               | 48     |                 | "     | 50.0        |                | 96.7                            | 83-133      |          |     |           |      |
| Isopropylbenzene                                  | 49     |                 | "     | 50.0        |                | 98.6                            | 81-127      |          |     |           |      |
| Methyl acetate                                    | 37     |                 | "     | 50.0        |                | 74.4                            | 41-143      |          |     |           |      |
| Methyl tert-butyl ether (MTBE)                    | 41     |                 | "     | 50.0        |                | 82.5                            | 74-131      |          |     |           |      |
| Methylcyclohexane                                 | 42     |                 | "     | 50.0        |                | 83.9                            | 70-130      |          |     |           |      |
| Methylene chloride                                | 40     |                 | "     | 50.0        |                | 79.4                            | 57-141      |          |     |           |      |



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

### York Analytical Laboratories, Inc. - Stratford

| Analyte                                           | Result | Reporting Limit | Units | Spike Level | Source* Result | %REC                            | %REC Limits | Flag     | RPD  | RPD Limit | Flag |
|---------------------------------------------------|--------|-----------------|-------|-------------|----------------|---------------------------------|-------------|----------|------|-----------|------|
| <b>Batch BA30370 - EPA 5035A</b>                  |        |                 |       |             |                |                                 |             |          |      |           |      |
| <b>LCS (BA30370-BS1)</b>                          |        |                 |       |             |                | Prepared & Analyzed: 01/11/2023 |             |          |      |           |      |
| n-Butylbenzene                                    | 46     |                 | ug/L  | 50.0        |                | 92.2                            | 80-130      |          |      |           |      |
| n-Propylbenzene                                   | 48     |                 | "     | 50.0        |                | 96.6                            | 74-136      |          |      |           |      |
| o-Xylene                                          | 44     |                 | "     | 50.0        |                | 87.5                            | 83-123      |          |      |           |      |
| p- & m- Xylenes                                   | 88     |                 | "     | 100         |                | 88.5                            | 82-128      |          |      |           |      |
| p-Isopropyltoluene                                | 49     |                 | "     | 50.0        |                | 97.5                            | 85-125      |          |      |           |      |
| sec-Butylbenzene                                  | 48     |                 | "     | 50.0        |                | 96.4                            | 83-125      |          |      |           |      |
| Styrene                                           | 44     |                 | "     | 50.0        |                | 87.3                            | 86-126      |          |      |           |      |
| tert-Butyl alcohol (TBA)                          | 260    |                 | "     | 250         |                | 103                             | 70-130      |          |      |           |      |
| tert-Butylbenzene                                 | 42     |                 | "     | 50.0        |                | 83.4                            | 80-127      |          |      |           |      |
| Tetrachloroethylene                               | 40     |                 | "     | 50.0        |                | 80.2                            | 80-129      |          |      |           |      |
| Toluene                                           | 44     |                 | "     | 50.0        |                | 87.2                            | 85-121      |          |      |           |      |
| trans-1,2-Dichloroethylene                        | 40     |                 | "     | 50.0        |                | 79.3                            | 72-132      |          |      |           |      |
| trans-1,3-Dichloropropylene                       | 49     |                 | "     | 50.0        |                | 98.2                            | 78-132      |          |      |           |      |
| Trichloroethylene                                 | 45     |                 | "     | 50.0        |                | 90.8                            | 84-123      |          |      |           |      |
| Trichlorofluoromethane                            | 33     |                 | "     | 50.0        |                | 65.7                            | 62-140      |          |      |           |      |
| Vinyl Chloride                                    | 32     |                 | "     | 50.0        |                | 63.8                            | 52-130      |          |      |           |      |
| Surrogate: SURR: 1,2-Dichloroethane-d4            | 49.5   |                 | "     | 50.0        |                | 99.0                            | 77-125      |          |      |           |      |
| Surrogate: SURR: Toluene-d8                       | 51.8   |                 | "     | 50.0        |                | 104                             | 85-120      |          |      |           |      |
| Surrogate: SURR: p-Bromofluorobenzene             | 53.8   |                 | "     | 50.0        |                | 108                             | 76-130      |          |      |           |      |
| <b>LCS Dup (BA30370-BS1)</b>                      |        |                 |       |             |                | Prepared & Analyzed: 01/11/2023 |             |          |      |           |      |
| 1,1,1,2-Tetrachloroethane                         | 44     |                 | ug/L  | 50.0        |                | 88.3                            | 75-129      |          | 9.70 | 30        |      |
| 1,1,1-Trichloroethane                             | 41     |                 | "     | 50.0        |                | 82.5                            | 71-137      |          | 8.69 | 30        |      |
| 1,1,2,2-Tetrachloroethane                         | 47     |                 | "     | 50.0        |                | 94.4                            | 79-129      |          | 8.36 | 30        |      |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 40     |                 | "     | 50.0        |                | 81.0                            | 58-146      |          | 7.69 | 30        |      |
| 1,1,2-Trichloroethane                             | 40     |                 | "     | 50.0        |                | 80.8                            | 83-123      | Low Bias | 10.0 | 30        |      |
| 1,1-Dichloroethane                                | 37     |                 | "     | 50.0        |                | 74.0                            | 75-130      | Low Bias | 6.28 | 30        |      |
| 1,1-Dichloroethylene                              | 37     |                 | "     | 50.0        |                | 74.0                            | 64-137      |          | 6.18 | 30        |      |
| 1,2,3-Trichlorobenzene                            | 44     |                 | "     | 50.0        |                | 88.5                            | 81-140      |          | 9.51 | 30        |      |
| 1,2,3-Trichloropropane                            | 47     |                 | "     | 50.0        |                | 93.2                            | 81-126      |          | 9.72 | 30        |      |
| 1,2,4-Trichlorobenzene                            | 45     |                 | "     | 50.0        |                | 90.5                            | 80-141      |          | 9.56 | 30        |      |
| 1,2,4-Trimethylbenzene                            | 45     |                 | "     | 50.0        |                | 89.1                            | 84-125      |          | 6.81 | 30        |      |
| 1,2-Dibromo-3-chloropropane                       | 48     |                 | "     | 50.0        |                | 96.9                            | 74-142      |          | 8.25 | 30        |      |
| 1,2-Dibromoethane                                 | 43     |                 | "     | 50.0        |                | 86.3                            | 86-123      |          | 9.05 | 30        |      |
| 1,2-Dichlorobenzene                               | 42     |                 | "     | 50.0        |                | 84.7                            | 85-122      | Low Bias | 8.11 | 30        |      |
| 1,2-Dichloroethane                                | 37     |                 | "     | 50.0        |                | 74.7                            | 71-133      |          | 7.50 | 30        |      |
| 1,2-Dichloropropane                               | 43     |                 | "     | 50.0        |                | 85.6                            | 81-122      |          | 7.23 | 30        |      |
| 1,3,5-Trimethylbenzene                            | 43     |                 | "     | 50.0        |                | 86.8                            | 82-126      |          | 7.90 | 30        |      |
| 1,3-Dichlorobenzene                               | 44     |                 | "     | 50.0        |                | 88.9                            | 84-124      |          | 7.57 | 30        |      |
| 1,4-Dichlorobenzene                               | 43     |                 | "     | 50.0        |                | 86.5                            | 84-124      |          | 8.01 | 30        |      |
| 1,4-Dioxane                                       | 1500   |                 | "     | 1050        |                | 143                             | 10-228      |          | 9.72 | 30        |      |
| 2-Butanone                                        | 33     |                 | "     | 50.0        |                | 66.0                            | 58-147      |          | 15.1 | 30        |      |
| 2-Hexanone                                        | 41     |                 | "     | 50.0        |                | 81.6                            | 70-139      |          | 12.2 | 30        |      |
| 4-Methyl-2-pentanone                              | 32     |                 | "     | 50.0        |                | 63.4                            | 72-132      | Low Bias | 11.1 | 30        |      |
| Acetone                                           | 26     |                 | "     | 50.0        |                | 52.1                            | 36-155      |          | 9.82 | 30        |      |
| Acrolein                                          | 23     |                 | "     | 50.0        |                | 45.3                            | 10-238      |          | 13.7 | 30        |      |
| Acrylonitrile                                     | 38     |                 | "     | 50.0        |                | 76.5                            | 66-141      |          | 9.84 | 30        |      |
| Benzene                                           | 37     |                 | "     | 50.0        |                | 73.9                            | 77-127      | Low Bias | 8.64 | 30        |      |
| Bromochloromethane                                | 37     |                 | "     | 50.0        |                | 74.7                            | 74-129      |          | 7.47 | 30        |      |
| Bromodichloromethane                              | 43     |                 | "     | 50.0        |                | 86.5                            | 81-124      |          | 8.71 | 30        |      |



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

### York Analytical Laboratories, Inc. - Stratford

| Analyte                                | Result | Reporting Limit | Units | Spike Level | Source* Result | %REC                            | %REC Limits | Flag     | RPD  | RPD Limit | Flag |
|----------------------------------------|--------|-----------------|-------|-------------|----------------|---------------------------------|-------------|----------|------|-----------|------|
| <b>Batch BA30370 - EPA 5035A</b>       |        |                 |       |             |                |                                 |             |          |      |           |      |
| <b>LCS Dup (BA30370-BSD1)</b>          |        |                 |       |             |                | Prepared & Analyzed: 01/11/2023 |             |          |      |           |      |
| Bromoform                              | 40     |                 | ug/L  | 50.0        |                | 80.5                            | 80-136      |          | 10.4 | 30        |      |
| Bromomethane                           | 32     |                 | "     | 50.0        |                | 64.5                            | 32-177      |          | 6.02 | 30        |      |
| Carbon disulfide                       | 41     |                 | "     | 50.0        |                | 81.7                            | 10-136      |          | 7.33 | 30        |      |
| Carbon tetrachloride                   | 41     |                 | "     | 50.0        |                | 81.7                            | 66-143      |          | 9.43 | 30        |      |
| Chlorobenzene                          | 42     |                 | "     | 50.0        |                | 85.0                            | 86-120      | Low Bias | 8.84 | 30        |      |
| Chloroethane                           | 37     |                 | "     | 50.0        |                | 74.4                            | 51-142      |          | 4.72 | 30        |      |
| Chloroform                             | 38     |                 | "     | 50.0        |                | 76.3                            | 76-131      |          | 8.53 | 30        |      |
| Chloromethane                          | 29     |                 | "     | 50.0        |                | 57.0                            | 49-132      |          | 3.04 | 30        |      |
| cis-1,2-Dichloroethylene               | 37     |                 | "     | 50.0        |                | 73.3                            | 74-132      | Low Bias | 10.1 | 30        |      |
| cis-1,3-Dichloropropylene              | 44     |                 | "     | 50.0        |                | 87.4                            | 81-129      |          | 8.36 | 30        |      |
| Cyclohexane                            | 38     |                 | "     | 50.0        |                | 75.1                            | 70-130      |          | 6.52 | 30        |      |
| Dibromochloromethane                   | 40     |                 | "     | 50.0        |                | 80.3                            | 10-200      |          | 8.33 | 30        |      |
| Dibromomethane                         | 41     |                 | "     | 50.0        |                | 81.8                            | 83-124      | Low Bias | 9.13 | 30        |      |
| Dichlorodifluoromethane                | 39     |                 | "     | 50.0        |                | 77.2                            | 28-158      |          | 2.94 | 30        |      |
| Ethyl Benzene                          | 40     |                 | "     | 50.0        |                | 80.7                            | 84-125      | Low Bias | 9.49 | 30        |      |
| Hexachlorobutadiene                    | 45     |                 | "     | 50.0        |                | 90.3                            | 83-133      |          | 6.91 | 30        |      |
| Isopropylbenzene                       | 46     |                 | "     | 50.0        |                | 91.7                            | 81-127      |          | 7.19 | 30        |      |
| Methyl acetate                         | 34     |                 | "     | 50.0        |                | 67.8                            | 41-143      |          | 9.34 | 30        |      |
| Methyl tert-butyl ether (MTBE)         | 38     |                 | "     | 50.0        |                | 75.7                            | 74-131      |          | 8.67 | 30        |      |
| Methylcyclohexane                      | 39     |                 | "     | 50.0        |                | 77.2                            | 70-130      |          | 8.27 | 30        |      |
| Methylene chloride                     | 36     |                 | "     | 50.0        |                | 72.9                            | 57-141      |          | 8.54 | 30        |      |
| n-Butylbenzene                         | 43     |                 | "     | 50.0        |                | 85.8                            | 80-130      |          | 7.17 | 30        |      |
| n-Propylbenzene                        | 45     |                 | "     | 50.0        |                | 90.2                            | 74-136      |          | 6.90 | 30        |      |
| o-Xylene                               | 40     |                 | "     | 50.0        |                | 80.6                            | 83-123      | Low Bias | 8.11 | 30        |      |
| p- & m- Xylenes                        | 80     |                 | "     | 100         |                | 80.4                            | 82-128      | Low Bias | 9.51 | 30        |      |
| p-Isopropyltoluene                     | 46     |                 | "     | 50.0        |                | 91.2                            | 85-125      |          | 6.64 | 30        |      |
| sec-Butylbenzene                       | 45     |                 | "     | 50.0        |                | 90.7                            | 83-125      |          | 6.16 | 30        |      |
| Styrene                                | 40     |                 | "     | 50.0        |                | 80.1                            | 86-126      | Low Bias | 8.61 | 30        |      |
| tert-Butyl alcohol (TBA)               | 230    |                 | "     | 250         |                | 90.2                            | 70-130      |          | 12.9 | 30        |      |
| tert-Butylbenzene                      | 39     |                 | "     | 50.0        |                | 78.5                            | 80-127      | Low Bias | 6.10 | 30        |      |
| Tetrachloroethylene                    | 37     |                 | "     | 50.0        |                | 73.4                            | 80-129      | Low Bias | 8.91 | 30        |      |
| Toluene                                | 40     |                 | "     | 50.0        |                | 79.8                            | 85-121      | Low Bias | 8.79 | 30        |      |
| trans-1,2-Dichloroethylene             | 36     |                 | "     | 50.0        |                | 72.2                            | 72-132      |          | 9.37 | 30        |      |
| trans-1,3-Dichloropropylene            | 45     |                 | "     | 50.0        |                | 89.8                            | 78-132      |          | 8.98 | 30        |      |
| Trichloroethylene                      | 42     |                 | "     | 50.0        |                | 83.4                            | 84-123      | Low Bias | 8.50 | 30        |      |
| Trichlorofluoromethane                 | 31     |                 | "     | 50.0        |                | 61.6                            | 62-140      | Low Bias | 6.41 | 30        |      |
| Vinyl Chloride                         | 31     |                 | "     | 50.0        |                | 61.6                            | 52-130      |          | 3.51 | 30        |      |
| Surrogate: SURR: 1,2-Dichloroethane-d4 | 49.2   |                 | "     | 50.0        |                | 98.4                            | 77-125      |          |      |           |      |
| Surrogate: SURR: Toluene-d8            | 52.0   |                 | "     | 50.0        |                | 104                             | 85-120      |          |      |           |      |
| Surrogate: SURR: p-Bromofluorobenzene  | 55.1   |                 | "     | 50.0        |                | 110                             | 76-130      |          |      |           |      |



## Semivolatile Organic Compounds by GC/MS - Quality Control Data

### York Analytical Laboratories, Inc. - Stratford

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

#### Batch BA30467 - EPA 3550C

##### Blank (BA30467-BLK1)

Prepared: 01/11/2023 Analyzed: 01/12/2023

|                                       |    |        |           |
|---------------------------------------|----|--------|-----------|
| 1,1-Biphenyl                          | ND | 0.0417 | mg/kg wet |
| 1,2,4,5-Tetrachlorobenzene            | ND | 0.0833 | "         |
| 1,2,4-Trichlorobenzene                | ND | 0.0417 | "         |
| 1,2-Dichlorobenzene                   | ND | 0.0417 | "         |
| 1,2-Diphenylhydrazine (as Azobenzene) | ND | 0.0417 | "         |
| 1,3-Dichlorobenzene                   | ND | 0.0417 | "         |
| 1,4-Dichlorobenzene                   | ND | 0.0417 | "         |
| 2,3,4,6-Tetrachlorophenol             | ND | 0.0833 | "         |
| 2,4,5-Trichlorophenol                 | ND | 0.0417 | "         |
| 2,4,6-Trichlorophenol                 | ND | 0.0417 | "         |
| 2,4-Dichlorophenol                    | ND | 0.0417 | "         |
| 2,4-Dimethylphenol                    | ND | 0.0417 | "         |
| 2,4-Dinitrophenol                     | ND | 0.0833 | "         |
| 2,4-Dinitrotoluene                    | ND | 0.0417 | "         |
| 2,6-Dinitrotoluene                    | ND | 0.0417 | "         |
| 2-Chloronaphthalene                   | ND | 0.0417 | "         |
| 2-Chlorophenol                        | ND | 0.0417 | "         |
| 2-Methylnaphthalene                   | ND | 0.0417 | "         |
| 2-Methylphenol                        | ND | 0.0417 | "         |
| 2-Nitroaniline                        | ND | 0.0833 | "         |
| 2-Nitrophenol                         | ND | 0.0417 | "         |
| 3- & 4-Methylphenols                  | ND | 0.0417 | "         |
| 3,3-Dichlorobenzidine                 | ND | 0.0417 | "         |
| 3-Nitroaniline                        | ND | 0.0833 | "         |
| 4,6-Dinitro-2-methylphenol            | ND | 0.0833 | "         |
| 4-Bromophenyl phenyl ether            | ND | 0.0417 | "         |
| 4-Chloro-3-methylphenol               | ND | 0.0417 | "         |
| 4-Chloroaniline                       | ND | 0.0417 | "         |
| 4-Chlorophenyl phenyl ether           | ND | 0.0417 | "         |
| 4-Nitroaniline                        | ND | 0.0833 | "         |
| 4-Nitrophenol                         | ND | 0.0833 | "         |
| Acenaphthene                          | ND | 0.0417 | "         |
| Acenaphthylene                        | ND | 0.0417 | "         |
| Acetophenone                          | ND | 0.0417 | "         |
| Aniline                               | ND | 0.167  | "         |
| Anthracene                            | ND | 0.0417 | "         |
| Atrazine                              | ND | 0.0417 | "         |
| Benzaldehyde                          | ND | 0.0417 | "         |
| Benzidine                             | ND | 0.167  | "         |
| Benzo(a)anthracene                    | ND | 0.0417 | "         |
| Benzo(a)pyrene                        | ND | 0.0417 | "         |
| Benzo(b)fluoranthene                  | ND | 0.0417 | "         |
| Benzo(g,h,i)perylene                  | ND | 0.0417 | "         |
| Benzo(k)fluoranthene                  | ND | 0.0417 | "         |
| Benzoic acid                          | ND | 0.0417 | "         |
| Benzyl alcohol                        | ND | 0.0417 | "         |
| Benzyl butyl phthalate                | ND | 0.0417 | "         |
| Bis(2-chloroethoxy)methane            | ND | 0.0417 | "         |
| Bis(2-chloroethyl)ether               | ND | 0.0417 | "         |
| Bis(2-chloroisopropyl)ether           | ND | 0.0417 | "         |
| Bis(2-ethylhexyl)phthalate            | ND | 0.0417 | "         |



## Semivolatile Organic Compounds by GC/MS - Quality Control Data

### York Analytical Laboratories, Inc. - Stratford

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source*<br>Result | %REC | %REC<br>Limits | Flag | RPD | RPD<br>Limit | Flag |
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|

#### Batch BA30467 - EPA 3550C

##### Blank (BA30467-BLK1)

Prepared: 01/11/2023 Analyzed: 01/12/2023

|                                       |       |        |           |       |  |      |        |  |  |  |  |
|---------------------------------------|-------|--------|-----------|-------|--|------|--------|--|--|--|--|
| Caprolactam                           | ND    | 0.0833 | mg/kg wet |       |  |      |        |  |  |  |  |
| Carbazole                             | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Chrysene                              | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Dibenzo(a,h)anthracene                | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Dibenzofuran                          | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Diethyl phthalate                     | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Dimethyl phthalate                    | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Di-n-butyl phthalate                  | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Di-n-octyl phthalate                  | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Fluoranthene                          | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Fluorene                              | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Hexachlorobenzene                     | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Hexachlorobutadiene                   | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Hexachlorocyclopentadiene             | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Hexachloroethane                      | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Indeno(1,2,3-cd)pyrene                | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Isophorone                            | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Naphthalene                           | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Nitrobenzene                          | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| N-Nitrosodimethylamine                | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| N-nitroso-di-n-propylamine            | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| N-Nitrosodiphenylamine                | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Pentachlorophenol                     | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Phenanthrene                          | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Phenol                                | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Pyrene                                | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Surrogate: SURR: 2-Fluorophenol       | 1.14  |        | "         | 1.67  |  | 68.6 | 20-108 |  |  |  |  |
| Surrogate: SURR: Phenol-d5            | 1.13  |        | "         | 1.67  |  | 67.6 | 23-114 |  |  |  |  |
| Surrogate: SURR: Nitrobenzene-d5      | 0.630 |        | "         | 0.833 |  | 75.6 | 22-108 |  |  |  |  |
| Surrogate: SURR: 2-Fluorobiphenyl     | 0.595 |        | "         | 0.833 |  | 71.4 | 21-113 |  |  |  |  |
| Surrogate: SURR: 2,4,6-Tribromophenol | 1.26  |        | "         | 1.67  |  | 75.3 | 19-110 |  |  |  |  |
| Surrogate: SURR: Terphenyl-d14        | 0.669 |        | "         | 0.833 |  | 80.2 | 24-116 |  |  |  |  |



## Semivolatile Organic Compounds by GC/MS - Quality Control Data

### York Analytical Laboratories, Inc. - Stratford

| Analyte                               | Result | Reporting Limit | Units     | Spike Level | Source* Result | %REC                                      | %REC Limits | Flag | RPD | RPD Limit | Flag |
|---------------------------------------|--------|-----------------|-----------|-------------|----------------|-------------------------------------------|-------------|------|-----|-----------|------|
| <b>Batch BA30467 - EPA 3550C</b>      |        |                 |           |             |                |                                           |             |      |     |           |      |
| <b>LCS (BA30467-BS1)</b>              |        |                 |           |             |                | Prepared: 01/11/2023 Analyzed: 01/12/2023 |             |      |     |           |      |
| 1,1-Biphenyl                          | 0.598  | 0.0417          | mg/kg wet | 0.833       |                | 71.8                                      | 18-111      |      |     |           |      |
| 1,2,4,5-Tetrachlorobenzene            | 0.661  | 0.0833          | "         | 0.833       |                | 79.4                                      | 21-131      |      |     |           |      |
| 1,2,4-Trichlorobenzene                | 0.614  | 0.0417          | "         | 0.833       |                | 73.6                                      | 10-140      |      |     |           |      |
| 1,2-Dichlorobenzene                   | 0.548  | 0.0417          | "         | 0.833       |                | 65.8                                      | 34-108      |      |     |           |      |
| 1,2-Diphenylhydrazine (as Azobenzene) | 0.576  | 0.0417          | "         | 0.833       |                | 69.2                                      | 17-137      |      |     |           |      |
| 1,3-Dichlorobenzene                   | 0.542  | 0.0417          | "         | 0.833       |                | 65.0                                      | 33-110      |      |     |           |      |
| 1,4-Dichlorobenzene                   | 0.543  | 0.0417          | "         | 0.833       |                | 65.1                                      | 32-104      |      |     |           |      |
| 2,3,4,6-Tetrachlorophenol             | 0.650  | 0.0833          | "         | 0.833       |                | 78.0                                      | 30-130      |      |     |           |      |
| 2,4,5-Trichlorophenol                 | 0.628  | 0.0417          | "         | 0.833       |                | 75.4                                      | 27-118      |      |     |           |      |
| 2,4,6-Trichlorophenol                 | 0.607  | 0.0417          | "         | 0.833       |                | 72.8                                      | 31-120      |      |     |           |      |
| 2,4-Dichlorophenol                    | 0.656  | 0.0417          | "         | 0.833       |                | 78.7                                      | 20-127      |      |     |           |      |
| 2,4-Dimethylphenol                    | 0.659  | 0.0417          | "         | 0.833       |                | 79.0                                      | 14-132      |      |     |           |      |
| 2,4-Dinitrophenol                     | 0.285  | 0.0833          | "         | 0.833       |                | 34.2                                      | 10-171      |      |     |           |      |
| 2,4-Dinitrotoluene                    | 0.724  | 0.0417          | "         | 0.833       |                | 86.9                                      | 34-131      |      |     |           |      |
| 2,6-Dinitrotoluene                    | 0.743  | 0.0417          | "         | 0.833       |                | 89.1                                      | 31-128      |      |     |           |      |
| 2-Chloronaphthalene                   | 0.582  | 0.0417          | "         | 0.833       |                | 69.8                                      | 31-117      |      |     |           |      |
| 2-Chlorophenol                        | 0.570  | 0.0417          | "         | 0.833       |                | 68.4                                      | 33-113      |      |     |           |      |
| 2-Methylnaphthalene                   | 0.611  | 0.0417          | "         | 0.833       |                | 73.3                                      | 12-138      |      |     |           |      |
| 2-Methylphenol                        | 0.582  | 0.0417          | "         | 0.833       |                | 69.9                                      | 10-136      |      |     |           |      |
| 2-Nitroaniline                        | 0.657  | 0.0833          | "         | 0.833       |                | 78.8                                      | 27-132      |      |     |           |      |
| 2-Nitrophenol                         | 0.662  | 0.0417          | "         | 0.833       |                | 79.4                                      | 17-129      |      |     |           |      |
| 3- & 4-Methylphenols                  | 0.515  | 0.0417          | "         | 0.833       |                | 61.8                                      | 29-103      |      |     |           |      |
| 3,3-Dichlorobenzidine                 | 0.522  | 0.0417          | "         | 0.833       |                | 62.6                                      | 22-149      |      |     |           |      |
| 3-Nitroaniline                        | 0.565  | 0.0833          | "         | 0.833       |                | 67.8                                      | 20-133      |      |     |           |      |
| 4,6-Dinitro-2-methylphenol            | 0.680  | 0.0833          | "         | 0.833       |                | 81.6                                      | 10-143      |      |     |           |      |
| 4-Bromophenyl phenyl ether            | 0.585  | 0.0417          | "         | 0.833       |                | 70.2                                      | 29-120      |      |     |           |      |
| 4-Chloro-3-methylphenol               | 0.648  | 0.0417          | "         | 0.833       |                | 77.8                                      | 24-129      |      |     |           |      |
| 4-Chloroaniline                       | 0.353  | 0.0417          | "         | 0.833       |                | 42.3                                      | 10-132      |      |     |           |      |
| 4-Chlorophenyl phenyl ether           | 0.619  | 0.0417          | "         | 0.833       |                | 74.3                                      | 27-124      |      |     |           |      |
| 4-Nitroaniline                        | 0.615  | 0.0833          | "         | 0.833       |                | 73.8                                      | 16-128      |      |     |           |      |
| 4-Nitrophenol                         | 0.609  | 0.0833          | "         | 0.833       |                | 73.1                                      | 10-141      |      |     |           |      |
| Acenaphthene                          | 0.574  | 0.0417          | "         | 0.833       |                | 68.8                                      | 30-121      |      |     |           |      |
| Acenaphthylene                        | 0.545  | 0.0417          | "         | 0.833       |                | 65.4                                      | 30-115      |      |     |           |      |
| Acetophenone                          | 0.545  | 0.0417          | "         | 0.833       |                | 65.4                                      | 20-112      |      |     |           |      |
| Aniline                               | 0.496  | 0.167           | "         | 0.833       |                | 59.6                                      | 10-119      |      |     |           |      |
| Anthracene                            | 0.616  | 0.0417          | "         | 0.833       |                | 74.0                                      | 34-118      |      |     |           |      |
| Atrazine                              | 0.644  | 0.0417          | "         | 0.833       |                | 77.2                                      | 26-112      |      |     |           |      |
| Benzaldehyde                          | 0.589  | 0.0417          | "         | 0.833       |                | 70.7                                      | 21-100      |      |     |           |      |
| Benzo(a)anthracene                    | 0.592  | 0.0417          | "         | 0.833       |                | 71.0                                      | 32-122      |      |     |           |      |
| Benzo(a)pyrene                        | 0.522  | 0.0417          | "         | 0.833       |                | 62.6                                      | 29-133      |      |     |           |      |
| Benzo(b)fluoranthene                  | 0.557  | 0.0417          | "         | 0.833       |                | 66.9                                      | 25-133      |      |     |           |      |
| Benzo(g,h,i)perylene                  | 0.584  | 0.0417          | "         | 0.833       |                | 70.0                                      | 10-143      |      |     |           |      |
| Benzo(k)fluoranthene                  | 0.575  | 0.0417          | "         | 0.833       |                | 69.0                                      | 25-128      |      |     |           |      |
| Benzoic acid                          | 0.149  | 0.0417          | "         | 0.833       |                | 17.9                                      | 10-140      |      |     |           |      |
| Benzyl alcohol                        | 0.554  | 0.0417          | "         | 0.833       |                | 66.5                                      | 30-115      |      |     |           |      |
| Benzyl butyl phthalate                | 0.593  | 0.0417          | "         | 0.833       |                | 71.1                                      | 26-126      |      |     |           |      |
| Bis(2-chloroethoxy)methane            | 0.590  | 0.0417          | "         | 0.833       |                | 70.8                                      | 19-132      |      |     |           |      |
| Bis(2-chloroethyl)ether               | 0.539  | 0.0417          | "         | 0.833       |                | 64.7                                      | 19-125      |      |     |           |      |
| Bis(2-chloroisopropyl)ether           | 0.539  | 0.0417          | "         | 0.833       |                | 64.6                                      | 20-135      |      |     |           |      |
| Bis(2-ethylhexyl)phthalate            | 0.474  | 0.0417          | "         | 0.833       |                | 56.8                                      | 10-155      |      |     |           |      |
| Caprolactam                           | 0.651  | 0.0833          | "         | 0.833       |                | 78.1                                      | 10-127      |      |     |           |      |



## Semivolatile Organic Compounds by GC/MS - Quality Control Data

### York Analytical Laboratories, Inc. - Stratford

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source*<br>Result | %REC | %REC<br>Limits | Flag | RPD | RPD<br>Limit | Flag |
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|

#### Batch BA30467 - EPA 3550C

##### LCS (BA30467-BS1)

Prepared: 01/11/2023 Analyzed: 01/12/2023

|                                       |       |        |           |       |  |      |        |  |  |  |  |
|---------------------------------------|-------|--------|-----------|-------|--|------|--------|--|--|--|--|
| Carbazole                             | 0.618 | 0.0417 | mg/kg wet | 0.833 |  | 74.1 | 35-123 |  |  |  |  |
| Chrysene                              | 0.566 | 0.0417 | "         | 0.833 |  | 67.9 | 32-123 |  |  |  |  |
| Dibenzo(a,h)anthracene                | 0.577 | 0.0417 | "         | 0.833 |  | 69.2 | 10-136 |  |  |  |  |
| Dibenzofuran                          | 0.592 | 0.0417 | "         | 0.833 |  | 71.0 | 29-121 |  |  |  |  |
| Diethyl phthalate                     | 0.585 | 0.0417 | "         | 0.833 |  | 70.2 | 34-116 |  |  |  |  |
| Dimethyl phthalate                    | 0.594 | 0.0417 | "         | 0.833 |  | 71.2 | 35-124 |  |  |  |  |
| Di-n-butyl phthalate                  | 0.587 | 0.0417 | "         | 0.833 |  | 70.4 | 31-116 |  |  |  |  |
| Di-n-octyl phthalate                  | 0.577 | 0.0417 | "         | 0.833 |  | 69.2 | 26-136 |  |  |  |  |
| Fluoranthene                          | 0.568 | 0.0417 | "         | 0.833 |  | 68.2 | 33-122 |  |  |  |  |
| Fluorene                              | 0.598 | 0.0417 | "         | 0.833 |  | 71.8 | 29-123 |  |  |  |  |
| Hexachlorobenzene                     | 0.579 | 0.0417 | "         | 0.833 |  | 69.5 | 21-124 |  |  |  |  |
| Hexachlorobutadiene                   | 0.627 | 0.0417 | "         | 0.833 |  | 75.2 | 10-149 |  |  |  |  |
| Hexachlorocyclopentadiene             | 0.466 | 0.0417 | "         | 0.833 |  | 56.0 | 10-129 |  |  |  |  |
| Hexachloroethane                      | 0.540 | 0.0417 | "         | 0.833 |  | 64.8 | 28-108 |  |  |  |  |
| Indeno(1,2,3-cd)pyrene                | 0.571 | 0.0417 | "         | 0.833 |  | 68.5 | 10-135 |  |  |  |  |
| Isophorone                            | 0.605 | 0.0417 | "         | 0.833 |  | 72.6 | 20-132 |  |  |  |  |
| Naphthalene                           | 0.599 | 0.0417 | "         | 0.833 |  | 71.8 | 23-124 |  |  |  |  |
| Nitrobenzene                          | 0.603 | 0.0417 | "         | 0.833 |  | 72.3 | 13-132 |  |  |  |  |
| N-Nitrosodimethylamine                | 0.478 | 0.0417 | "         | 0.833 |  | 57.4 | 11-129 |  |  |  |  |
| N-nitroso-di-n-propylamine            | 0.548 | 0.0417 | "         | 0.833 |  | 65.7 | 24-119 |  |  |  |  |
| N-Nitrosodiphenylamine                | 0.706 | 0.0417 | "         | 0.833 |  | 84.8 | 22-152 |  |  |  |  |
| Pentachlorophenol                     | 0.518 | 0.0417 | "         | 0.833 |  | 62.2 | 10-139 |  |  |  |  |
| Phenanthrene                          | 0.592 | 0.0417 | "         | 0.833 |  | 71.0 | 33-123 |  |  |  |  |
| Phenol                                | 0.565 | 0.0417 | "         | 0.833 |  | 67.8 | 23-115 |  |  |  |  |
| Pyrene                                | 0.587 | 0.0417 | "         | 0.833 |  | 70.5 | 32-130 |  |  |  |  |
| Surrogate: SURR: 2-Fluorophenol       | 1.13  |        | "         | 1.67  |  | 67.6 | 20-108 |  |  |  |  |
| Surrogate: SURR: Phenol-d5            | 1.12  |        | "         | 1.67  |  | 67.0 | 23-114 |  |  |  |  |
| Surrogate: SURR: Nitrobenzene-d5      | 0.592 |        | "         | 0.833 |  | 71.0 | 22-108 |  |  |  |  |
| Surrogate: SURR: 2-Fluorobiphenyl     | 0.573 |        | "         | 0.833 |  | 68.7 | 21-113 |  |  |  |  |
| Surrogate: SURR: 2,4,6-Tribromophenol | 1.26  |        | "         | 1.67  |  | 75.4 | 19-110 |  |  |  |  |
| Surrogate: SURR: Terphenyl-d14        | 0.641 |        | "         | 0.833 |  | 76.9 | 24-116 |  |  |  |  |





## Semivolatile Organic Compounds by GC/MS - Quality Control Data

### York Analytical Laboratories, Inc. - Stratford

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

#### Batch BA30467 - EPA 3550C

| Matrix Spike (BA30467-MS1)            |        | *Source sample: 23A0372-02 (Matrix Spike) |           |       |    |      | Prepared: 01/11/2023 Analyzed: 01/12/2023 |          |  |  |  |
|---------------------------------------|--------|-------------------------------------------|-----------|-------|----|------|-------------------------------------------|----------|--|--|--|
| 1,1-Biphenyl                          | 0.537  | 0.0886                                    | mg/kg dry | 0.885 | ND | 60.6 | 10-130                                    |          |  |  |  |
| 1,2,4,5-Tetrachlorobenzene            | 0.604  | 0.177                                     | "         | 0.885 | ND | 68.2 | 10-133                                    |          |  |  |  |
| 1,2,4-Trichlorobenzene                | 0.557  | 0.0886                                    | "         | 0.885 | ND | 63.0 | 10-127                                    |          |  |  |  |
| 1,2-Dichlorobenzene                   | 0.503  | 0.0886                                    | "         | 0.885 | ND | 56.8 | 14-111                                    |          |  |  |  |
| 1,2-Diphenylhydrazine (as Azobenzene) | 0.526  | 0.0886                                    | "         | 0.885 | ND | 59.4 | 10-144                                    |          |  |  |  |
| 1,3-Dichlorobenzene                   | 0.497  | 0.0886                                    | "         | 0.885 | ND | 56.2 | 11-111                                    |          |  |  |  |
| 1,4-Dichlorobenzene                   | 0.504  | 0.0886                                    | "         | 0.885 | ND | 57.0 | 10-106                                    |          |  |  |  |
| 2,3,4,6-Tetrachlorophenol             | ND     | 0.177                                     | "         | 0.885 | ND |      | 30-130                                    | Low Bias |  |  |  |
| 2,4,5-Trichlorophenol                 | ND     | 0.0886                                    | "         | 0.885 | ND |      | 10-127                                    | Low Bias |  |  |  |
| 2,4,6-Trichlorophenol                 | ND     | 0.0886                                    | "         | 0.885 | ND |      | 10-132                                    | Low Bias |  |  |  |
| 2,4-Dichlorophenol                    | 0.0475 | 0.0886                                    | "         | 0.885 | ND | 5.36 | 10-128                                    | Low Bias |  |  |  |
| 2,4-Dimethylphenol                    | 0.551  | 0.0886                                    | "         | 0.885 | ND | 62.2 | 10-137                                    |          |  |  |  |
| 2,4-Dinitrophenol                     | ND     | 0.177                                     | "         | 0.885 | ND |      | 10-171                                    | Low Bias |  |  |  |
| 2,4-Dinitrotoluene                    | 0.602  | 0.0886                                    | "         | 0.885 | ND | 68.0 | 16-135                                    |          |  |  |  |
| 2,6-Dinitrotoluene                    | 0.639  | 0.0886                                    | "         | 0.885 | ND | 72.2 | 18-131                                    |          |  |  |  |
| 2-Chloronaphthalene                   | 0.516  | 0.0886                                    | "         | 0.885 | ND | 58.2 | 10-129                                    |          |  |  |  |
| 2-Chlorophenol                        | 0.0970 | 0.0886                                    | "         | 0.885 | ND | 11.0 | 15-116                                    | Low Bias |  |  |  |
| 2-Methylnaphthalene                   | 0.550  | 0.0886                                    | "         | 0.885 | ND | 62.2 | 10-147                                    |          |  |  |  |
| 2-Methylphenol                        | 0.475  | 0.0886                                    | "         | 0.885 | ND | 53.6 | 10-136                                    |          |  |  |  |
| 2-Nitroaniline                        | 0.546  | 0.177                                     | "         | 0.885 | ND | 61.7 | 10-137                                    |          |  |  |  |
| 2-Nitrophenol                         | ND     | 0.0886                                    | "         | 0.885 | ND |      | 10-129                                    | Low Bias |  |  |  |
| 3- & 4-Methylphenols                  | 0.386  | 0.0886                                    | "         | 0.885 | ND | 43.6 | 10-123                                    |          |  |  |  |
| 3,3-Dichlorobenzidine                 | 0.479  | 0.0886                                    | "         | 0.885 | ND | 54.1 | 10-155                                    |          |  |  |  |
| 3-Nitroaniline                        | 0.494  | 0.177                                     | "         | 0.885 | ND | 55.8 | 12-133                                    |          |  |  |  |
| 4,6-Dinitro-2-methylphenol            | ND     | 0.177                                     | "         | 0.885 | ND |      | 10-155                                    | Low Bias |  |  |  |
| 4-Bromophenyl phenyl ether            | 0.552  | 0.0886                                    | "         | 0.885 | ND | 62.3 | 14-128                                    |          |  |  |  |
| 4-Chloro-3-methylphenol               | 0.405  | 0.0886                                    | "         | 0.885 | ND | 45.8 | 10-134                                    |          |  |  |  |
| 4-Chloroaniline                       | 0.371  | 0.0886                                    | "         | 0.885 | ND | 41.9 | 10-145                                    |          |  |  |  |
| 4-Chlorophenyl phenyl ether           | 0.548  | 0.0886                                    | "         | 0.885 | ND | 61.9 | 14-130                                    |          |  |  |  |
| 4-Nitroaniline                        | 0.523  | 0.177                                     | "         | 0.885 | ND | 59.0 | 10-147                                    |          |  |  |  |
| 4-Nitrophenol                         | ND     | 0.177                                     | "         | 0.885 | ND |      | 10-137                                    | Low Bias |  |  |  |
| Acenaphthene                          | 0.523  | 0.0886                                    | "         | 0.885 | ND | 59.1 | 10-146                                    |          |  |  |  |
| Acenaphthylene                        | 0.476  | 0.0886                                    | "         | 0.885 | ND | 53.8 | 10-134                                    |          |  |  |  |
| Acetophenone                          | 0.515  | 0.0886                                    | "         | 0.885 | ND | 58.2 | 10-116                                    |          |  |  |  |
| Aniline                               | 0.349  | 0.355                                     | "         | 0.885 | ND | 39.4 | 10-123                                    |          |  |  |  |
| Anthracene                            | 0.582  | 0.0886                                    | "         | 0.885 | ND | 65.8 | 10-142                                    |          |  |  |  |
| Atrazine                              | 0.639  | 0.0886                                    | "         | 0.885 | ND | 72.2 | 19-115                                    |          |  |  |  |
| Benzaldehyde                          | 0.552  | 0.0886                                    | "         | 0.885 | ND | 62.3 | 10-125                                    |          |  |  |  |
| Benzo(a)anthracene                    | 0.593  | 0.0886                                    | "         | 0.885 | ND | 67.0 | 10-158                                    |          |  |  |  |
| Benzo(a)pyrene                        | 0.554  | 0.0886                                    | "         | 0.885 | ND | 62.6 | 10-180                                    |          |  |  |  |
| Benzo(b)fluoranthene                  | 0.605  | 0.0886                                    | "         | 0.885 | ND | 68.3 | 10-200                                    |          |  |  |  |
| Benzo(g,h,i)perylene                  | 0.585  | 0.0886                                    | "         | 0.885 | ND | 66.1 | 10-138                                    |          |  |  |  |
| Benzo(k)fluoranthene                  | 0.581  | 0.0886                                    | "         | 0.885 | ND | 65.6 | 10-197                                    |          |  |  |  |
| Benzoic acid                          | ND     | 0.0886                                    | "         | 0.885 | ND |      | 10-166                                    | Low Bias |  |  |  |
| Benzyl alcohol                        | 0.484  | 0.0886                                    | "         | 0.885 | ND | 54.6 | 12-124                                    |          |  |  |  |
| Benzyl butyl phthalate                | 0.577  | 0.0886                                    | "         | 0.885 | ND | 65.2 | 10-154                                    |          |  |  |  |
| Bis(2-chloroethoxy)methane            | 0.522  | 0.0886                                    | "         | 0.885 | ND | 59.0 | 10-132                                    |          |  |  |  |
| Bis(2-chloroethyl)ether               | 0.483  | 0.0886                                    | "         | 0.885 | ND | 54.6 | 10-119                                    |          |  |  |  |
| Bis(2-chloroisopropyl)ether           | 0.497  | 0.0886                                    | "         | 0.885 | ND | 56.1 | 10-139                                    |          |  |  |  |
| Bis(2-ethylhexyl)phthalate            | 0.470  | 0.0886                                    | "         | 0.885 | ND | 53.1 | 10-167                                    |          |  |  |  |
| Caprolactam                           | 0.569  | 0.177                                     | "         | 0.885 | ND | 64.2 | 10-132                                    |          |  |  |  |



## Semivolatile Organic Compounds by GC/MS - Quality Control Data

### York Analytical Laboratories, Inc. - Stratford

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

#### Batch BA30467 - EPA 3550C

| Matrix Spike (BA30467-MS1)            |         | *Source sample: 23A0372-02 (Matrix Spike) |           |       |    |        | Prepared: 01/11/2023 Analyzed: 01/12/2023 |          |  |  |  |
|---------------------------------------|---------|-------------------------------------------|-----------|-------|----|--------|-------------------------------------------|----------|--|--|--|
| Carbazole                             | 0.611   | 0.0886                                    | mg/kg dry | 0.885 | ND | 69.0   | 10-167                                    |          |  |  |  |
| Chrysene                              | 0.555   | 0.0886                                    | "         | 0.885 | ND | 62.7   | 10-156                                    |          |  |  |  |
| Dibenzo(a,h)anthracene                | 0.598   | 0.0886                                    | "         | 0.885 | ND | 67.5   | 10-137                                    |          |  |  |  |
| Dibenzofuran                          | 0.521   | 0.0886                                    | "         | 0.885 | ND | 58.9   | 10-147                                    |          |  |  |  |
| Diethyl phthalate                     | 0.521   | 0.0886                                    | "         | 0.885 | ND | 58.9   | 20-120                                    |          |  |  |  |
| Dimethyl phthalate                    | 0.521   | 0.0886                                    | "         | 0.885 | ND | 58.9   | 18-131                                    |          |  |  |  |
| Di-n-butyl phthalate                  | 0.562   | 0.0886                                    | "         | 0.885 | ND | 63.5   | 10-137                                    |          |  |  |  |
| Di-n-octyl phthalate                  | 0.599   | 0.0886                                    | "         | 0.885 | ND | 67.7   | 10-180                                    |          |  |  |  |
| Fluoranthene                          | 0.584   | 0.0886                                    | "         | 0.885 | ND | 65.9   | 10-160                                    |          |  |  |  |
| Fluorene                              | 0.525   | 0.0886                                    | "         | 0.885 | ND | 59.3   | 10-157                                    |          |  |  |  |
| Hexachlorobenzene                     | 0.562   | 0.0886                                    | "         | 0.885 | ND | 63.5   | 10-137                                    |          |  |  |  |
| Hexachlorobutadiene                   | 0.562   | 0.0886                                    | "         | 0.885 | ND | 63.4   | 10-132                                    |          |  |  |  |
| Hexachlorocyclopentadiene             | 0.314   | 0.0886                                    | "         | 0.885 | ND | 35.4   | 10-106                                    |          |  |  |  |
| Hexachloroethane                      | 0.487   | 0.0886                                    | "         | 0.885 | ND | 55.0   | 10-110                                    |          |  |  |  |
| Indeno(1,2,3-cd)pyrene                | 0.623   | 0.0886                                    | "         | 0.885 | ND | 70.3   | 10-144                                    |          |  |  |  |
| Isophorone                            | 0.536   | 0.0886                                    | "         | 0.885 | ND | 60.6   | 10-132                                    |          |  |  |  |
| Naphthalene                           | 0.547   | 0.0886                                    | "         | 0.885 | ND | 61.8   | 10-141                                    |          |  |  |  |
| Nitrobenzene                          | 0.547   | 0.0886                                    | "         | 0.885 | ND | 61.8   | 10-131                                    |          |  |  |  |
| N-Nitrosodimethylamine                | 0.435   | 0.0886                                    | "         | 0.885 | ND | 49.1   | 10-126                                    |          |  |  |  |
| N-nitroso-di-n-propylamine            | 0.486   | 0.0886                                    | "         | 0.885 | ND | 54.9   | 10-125                                    |          |  |  |  |
| N-Nitrosodiphenylamine                | 0.643   | 0.0886                                    | "         | 0.885 | ND | 72.6   | 10-177                                    |          |  |  |  |
| Pentachlorophenol                     | ND      | 0.0886                                    | "         | 0.885 | ND | 10-153 |                                           | Low Bias |  |  |  |
| Phenanthrene                          | 0.562   | 0.0886                                    | "         | 0.885 | ND | 63.5   | 10-148                                    |          |  |  |  |
| Phenol                                | 0.296   | 0.0886                                    | "         | 0.885 | ND | 33.4   | 10-126                                    |          |  |  |  |
| Pyrene                                | 0.587   | 0.0886                                    | "         | 0.885 | ND | 66.2   | 10-165                                    |          |  |  |  |
| Surrogate: SURR: 2-Fluorophenol       | 0.113   |                                           | "         | 1.77  |    | 6.40   | 20-108                                    |          |  |  |  |
| Surrogate: SURR: Phenol-d5            | 0.573   |                                           | "         | 1.77  |    | 32.4   | 23-114                                    |          |  |  |  |
| Surrogate: SURR: Nitrobenzene-d5      | 0.545   |                                           | "         | 0.885 |    | 61.6   | 22-108                                    |          |  |  |  |
| Surrogate: SURR: 2-Fluorobiphenyl     | 0.516   |                                           | "         | 0.885 |    | 58.2   | 21-113                                    |          |  |  |  |
| Surrogate: SURR: 2,4,6-Tribromophenol | 0.00921 |                                           | "         | 1.77  |    | 0.520  | 19-110                                    |          |  |  |  |
| Surrogate: SURR: Terphenyl-d14        | 0.634   |                                           | "         | 0.885 |    | 71.6   | 24-116                                    |          |  |  |  |



## Semivolatile Organic Compounds by GC/MS - Quality Control Data

### York Analytical Laboratories, Inc. - Stratford

| Analyte                                | Result | Reporting Limit                                      | Units     | Spike Level | Source* Result | %REC | %REC Limits                                      | Flag     | RPD   | RPD Limit | Flag     |
|----------------------------------------|--------|------------------------------------------------------|-----------|-------------|----------------|------|--------------------------------------------------|----------|-------|-----------|----------|
| <b>Batch BA30467 - EPA 3550C</b>       |        |                                                      |           |             |                |      |                                                  |          |       |           |          |
| <b>Matrix Spike Dup (BA30467-MSD1)</b> |        | <b>*Source sample: 23A0372-02 (Matrix Spike Dup)</b> |           |             |                |      | <b>Prepared: 01/11/2023 Analyzed: 01/12/2023</b> |          |       |           |          |
| 1,1-Biphenyl                           | 0.598  | 0.0886                                               | mg/kg dry | 0.885       | ND             | 67.5 | 10-130                                           |          | 10.7  | 30        |          |
| 1,2,4,5-Tetrachlorobenzene             | 0.683  | 0.177                                                | "         | 0.885       | ND             | 77.1 | 10-133                                           |          | 12.2  | 30        |          |
| 1,2,4-Trichlorobenzene                 | 0.628  | 0.0886                                               | "         | 0.885       | ND             | 70.9 | 10-127                                           |          | 11.8  | 30        |          |
| 1,2-Dichlorobenzene                    | 0.557  | 0.0886                                               | "         | 0.885       | ND             | 62.9 | 14-111                                           |          | 10.2  | 30        |          |
| 1,2-Diphenylhydrazine (as Azobenzene)  | 0.565  | 0.0886                                               | "         | 0.885       | ND             | 63.8 | 10-144                                           |          | 7.27  | 30        |          |
| 1,3-Dichlorobenzene                    | 0.555  | 0.0886                                               | "         | 0.885       | ND             | 62.7 | 11-111                                           |          | 11.0  | 30        |          |
| 1,4-Dichlorobenzene                    | 0.558  | 0.0886                                               | "         | 0.885       | ND             | 63.0 | 10-106                                           |          | 10.1  | 30        |          |
| 2,3,4,6-Tetrachlorophenol              | ND     | 0.177                                                | "         | 0.885       | ND             |      | 30-130                                           | Low Bias |       | 30        |          |
| 2,4,5-Trichlorophenol                  | ND     | 0.0886                                               | "         | 0.885       | ND             |      | 10-127                                           | Low Bias |       | 30        |          |
| 2,4,6-Trichlorophenol                  | ND     | 0.0886                                               | "         | 0.885       | ND             |      | 10-132                                           | Low Bias |       | 30        |          |
| 2,4-Dichlorophenol                     | ND     | 0.0886                                               | "         | 0.885       | ND             |      | 10-128                                           | Low Bias |       | 30        |          |
| 2,4-Dimethylphenol                     | 0.590  | 0.0886                                               | "         | 0.885       | ND             | 66.6 | 10-137                                           |          | 6.83  | 30        |          |
| 2,4-Dinitrophenol                      | ND     | 0.177                                                | "         | 0.885       | ND             |      | 10-171                                           | Low Bias |       | 30        |          |
| 2,4-Dinitrotoluene                     | 0.658  | 0.0886                                               | "         | 0.885       | ND             | 74.3 | 16-135                                           |          | 8.88  | 30        |          |
| 2,6-Dinitrotoluene                     | 0.713  | 0.0886                                               | "         | 0.885       | ND             | 80.6 | 18-131                                           |          | 11.0  | 30        |          |
| 2-Chloronaphthalene                    | 0.582  | 0.0886                                               | "         | 0.885       | ND             | 65.7 | 10-129                                           |          | 12.0  | 30        |          |
| 2-Chlorophenol                         | 0.0921 | 0.0886                                               | "         | 0.885       | ND             | 10.4 | 15-116                                           | Low Bias | 5.24  | 30        |          |
| 2-Methylnaphthalene                    | 0.616  | 0.0886                                               | "         | 0.885       | ND             | 69.5 | 10-147                                           |          | 11.2  | 30        |          |
| 2-Methylphenol                         | 0.504  | 0.0886                                               | "         | 0.885       | ND             | 57.0 | 10-136                                           |          | 6.08  | 30        |          |
| 2-Nitroaniline                         | 0.621  | 0.177                                                | "         | 0.885       | ND             | 70.1 | 10-137                                           |          | 12.8  | 30        |          |
| 2-Nitrophenol                          | ND     | 0.0886                                               | "         | 0.885       | ND             |      | 10-129                                           | Low Bias |       | 30        |          |
| 3- & 4-Methylphenols                   | 0.390  | 0.0886                                               | "         | 0.885       | ND             | 44.0 | 10-123                                           |          | 0.913 | 30        |          |
| 3,3-Dichlorobenzidine                  | 0.524  | 0.0886                                               | "         | 0.885       | ND             | 59.2 | 10-155                                           |          | 9.04  | 30        |          |
| 3-Nitroaniline                         | 0.546  | 0.177                                                | "         | 0.885       | ND             | 61.7 | 12-133                                           |          | 9.94  | 30        |          |
| 4,6-Dinitro-2-methylphenol             | ND     | 0.177                                                | "         | 0.885       | ND             |      | 10-155                                           | Low Bias |       | 30        |          |
| 4-Bromophenyl phenyl ether             | 0.596  | 0.0886                                               | "         | 0.885       | ND             | 67.3 | 14-128                                           |          | 7.65  | 30        |          |
| 4-Chloro-3-methylphenol                | 0.349  | 0.0886                                               | "         | 0.885       | ND             | 39.4 | 10-134                                           |          | 14.8  | 30        |          |
| 4-Chloroaniline                        | 0.436  | 0.0886                                               | "         | 0.885       | ND             | 49.2 | 10-145                                           |          | 16.0  | 30        |          |
| 4-Chlorophenyl phenyl ether            | 0.621  | 0.0886                                               | "         | 0.885       | ND             | 70.2 | 14-130                                           |          | 12.5  | 30        |          |
| 4-Nitroaniline                         | 0.567  | 0.177                                                | "         | 0.885       | ND             | 64.0 | 10-147                                           |          | 8.06  | 30        |          |
| 4-Nitrophenol                          | ND     | 0.177                                                | "         | 0.885       | ND             |      | 10-137                                           | Low Bias |       | 30        |          |
| Acenaphthene                           | 0.590  | 0.0886                                               | "         | 0.885       | ND             | 66.6 | 10-146                                           |          | 12.0  | 30        |          |
| Acenaphthylene                         | 0.544  | 0.0886                                               | "         | 0.885       | ND             | 61.4 | 10-134                                           |          | 13.3  | 30        |          |
| Acetophenone                           | 0.562  | 0.0886                                               | "         | 0.885       | ND             | 63.5 | 10-116                                           |          | 8.81  | 30        |          |
| Aniline                                | 0.479  | 0.355                                                | "         | 0.885       | ND             | 54.1 | 10-123                                           |          | 31.5  | 30        | Non-dir. |
| Anthracene                             | 0.619  | 0.0886                                               | "         | 0.885       | ND             | 69.9 | 10-142                                           |          | 6.13  | 30        |          |
| Atrazine                               | 0.669  | 0.0886                                               | "         | 0.885       | ND             | 75.6 | 19-115                                           |          | 4.66  | 30        |          |
| Benzaldehyde                           | 0.622  | 0.0886                                               | "         | 0.885       | ND             | 70.2 | 10-125                                           |          | 11.9  | 30        |          |
| Benzo(a)anthracene                     | 0.632  | 0.0886                                               | "         | 0.885       | ND             | 71.4 | 10-158                                           |          | 6.36  | 30        |          |
| Benzo(a)pyrene                         | 0.601  | 0.0886                                               | "         | 0.885       | ND             | 67.9 | 10-180                                           |          | 8.22  | 30        |          |
| Benzo(b)fluoranthene                   | 0.630  | 0.0886                                               | "         | 0.885       | ND             | 71.2 | 10-200                                           |          | 4.13  | 30        |          |
| Benzo(g,h,i)perylene                   | 0.628  | 0.0886                                               | "         | 0.885       | ND             | 71.0 | 10-138                                           |          | 7.12  | 30        |          |
| Benzo(k)fluoranthene                   | 0.635  | 0.0886                                               | "         | 0.885       | ND             | 71.8 | 10-197                                           |          | 8.97  | 30        |          |
| Benzoic acid                           | ND     | 0.0886                                               | "         | 0.885       | ND             |      | 10-166                                           | Low Bias |       | 30        |          |
| Benzyl alcohol                         | 0.538  | 0.0886                                               | "         | 0.885       | ND             | 60.7 | 12-124                                           |          | 10.5  | 30        |          |
| Benzyl butyl phthalate                 | 0.595  | 0.0886                                               | "         | 0.885       | ND             | 67.2 | 10-154                                           |          | 3.02  | 30        |          |
| Bis(2-chloroethoxy)methane             | 0.588  | 0.0886                                               | "         | 0.885       | ND             | 66.4 | 10-132                                           |          | 11.9  | 30        |          |
| Bis(2-chloroethyl)ether                | 0.560  | 0.0886                                               | "         | 0.885       | ND             | 63.3 | 10-119                                           |          | 14.8  | 30        |          |
| Bis(2-chloroisopropyl)ether            | 0.557  | 0.0886                                               | "         | 0.885       | ND             | 63.0 | 10-139                                           |          | 11.6  | 30        |          |
| Bis(2-ethylhexyl)phthalate             | 0.489  | 0.0886                                               | "         | 0.885       | ND             | 55.3 | 10-167                                           |          | 3.99  | 30        |          |
| Caprolactam                            | 0.597  | 0.177                                                | "         | 0.885       | ND             | 67.4 | 10-132                                           |          | 4.86  | 30        |          |



## Semivolatile Organic Compounds by GC/MS - Quality Control Data

### York Analytical Laboratories, Inc. - Stratford

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

#### Batch BA30467 - EPA 3550C

| Matrix Spike Dup (BA30467-MSD1)       | *Source sample: 23A0372-02 (Matrix Spike Dup) |        |           |       |    | Prepared: 01/11/2023 Analyzed: 01/12/2023 |        |          |      |    |  |
|---------------------------------------|-----------------------------------------------|--------|-----------|-------|----|-------------------------------------------|--------|----------|------|----|--|
| Carbazole                             | 0.642                                         | 0.0886 | mg/kg dry | 0.885 | ND | 72.6                                      | 10-167 |          | 5.09 | 30 |  |
| Chrysene                              | 0.596                                         | 0.0886 | "         | 0.885 | ND | 67.3                                      | 10-156 |          | 7.02 | 30 |  |
| Dibenzo(a,h)anthracene                | 0.625                                         | 0.0886 | "         | 0.885 | ND | 70.6                                      | 10-137 |          | 4.52 | 30 |  |
| Dibenzofuran                          | 0.589                                         | 0.0886 | "         | 0.885 | ND | 66.6                                      | 10-147 |          | 12.2 | 30 |  |
| Diethyl phthalate                     | 0.572                                         | 0.0886 | "         | 0.885 | ND | 64.6                                      | 20-120 |          | 9.20 | 30 |  |
| Dimethyl phthalate                    | 0.576                                         | 0.0886 | "         | 0.885 | ND | 65.0                                      | 18-131 |          | 9.94 | 30 |  |
| Di-n-butyl phthalate                  | 0.594                                         | 0.0886 | "         | 0.885 | ND | 67.0                                      | 10-137 |          | 5.39 | 30 |  |
| Di-n-octyl phthalate                  | 0.609                                         | 0.0886 | "         | 0.885 | ND | 68.8                                      | 10-180 |          | 1.64 | 30 |  |
| Fluoranthene                          | 0.611                                         | 0.0886 | "         | 0.885 | ND | 69.0                                      | 10-160 |          | 4.62 | 30 |  |
| Fluorene                              | 0.594                                         | 0.0886 | "         | 0.885 | ND | 67.0                                      | 10-157 |          | 12.3 | 30 |  |
| Hexachlorobenzene                     | 0.603                                         | 0.0886 | "         | 0.885 | ND | 68.1                                      | 10-137 |          | 6.93 | 30 |  |
| Hexachlorobutadiene                   | 0.628                                         | 0.0886 | "         | 0.885 | ND | 71.0                                      | 10-132 |          | 11.2 | 30 |  |
| Hexachlorocyclopentadiene             | 0.370                                         | 0.0886 | "         | 0.885 | ND | 41.8                                      | 10-106 |          | 16.4 | 30 |  |
| Hexachloroethane                      | 0.565                                         | 0.0886 | "         | 0.885 | ND | 63.8                                      | 10-110 |          | 14.7 | 30 |  |
| Indeno(1,2,3-cd)pyrene                | 0.606                                         | 0.0886 | "         | 0.885 | ND | 68.4                                      | 10-144 |          | 2.77 | 30 |  |
| Isophorone                            | 0.604                                         | 0.0886 | "         | 0.885 | ND | 68.2                                      | 10-132 |          | 11.9 | 30 |  |
| Naphthalene                           | 0.609                                         | 0.0886 | "         | 0.885 | ND | 68.8                                      | 10-141 |          | 10.8 | 30 |  |
| Nitrobenzene                          | 0.599                                         | 0.0886 | "         | 0.885 | ND | 67.6                                      | 10-131 |          | 9.03 | 30 |  |
| N-Nitrosodimethylamine                | 0.489                                         | 0.0886 | "         | 0.885 | ND | 55.3                                      | 10-126 |          | 11.8 | 30 |  |
| N-nitroso-di-n-propylamine            | 0.546                                         | 0.0886 | "         | 0.885 | ND | 61.7                                      | 10-125 |          | 11.7 | 30 |  |
| N-Nitrosodiphenylamine                | 0.702                                         | 0.0886 | "         | 0.885 | ND | 79.3                                      | 10-177 |          | 8.74 | 30 |  |
| Pentachlorophenol                     | ND                                            | 0.0886 | "         | 0.885 | ND |                                           | 10-153 | Low Bias |      | 30 |  |
| Phenanthrene                          | 0.618                                         | 0.0886 | "         | 0.885 | ND | 69.8                                      | 10-148 |          | 9.36 | 30 |  |
| Phenol                                | 0.324                                         | 0.0886 | "         | 0.885 | ND | 36.6                                      | 10-126 |          | 8.91 | 30 |  |
| Pyrene                                | 0.610                                         | 0.0886 | "         | 0.885 | ND | 68.9                                      | 10-165 |          | 3.91 | 30 |  |
| Surrogate: SURR: 2-Fluorophenol       | 0.117                                         |        | "         | 1.77  |    | 6.60                                      | 20-108 |          |      |    |  |
| Surrogate: SURR: Phenol-d5            | 0.606                                         |        | "         | 1.77  |    | 34.2                                      | 23-114 |          |      |    |  |
| Surrogate: SURR: Nitrobenzene-d5      | 0.605                                         |        | "         | 0.885 |    | 68.3                                      | 22-108 |          |      |    |  |
| Surrogate: SURR: 2-Fluorobiphenyl     | 0.584                                         |        | "         | 0.885 |    | 65.9                                      | 21-113 |          |      |    |  |
| Surrogate: SURR: 2,4,6-Tribromophenol | 0.00567                                       |        | "         | 1.77  |    | 0.320                                     | 19-110 |          |      |    |  |
| Surrogate: SURR: Terphenyl-d14        | 0.653                                         |        | "         | 0.885 |    | 73.8                                      | 24-116 |          |      |    |  |



## Semivolatile Organic Compounds by GC/MS - Quality Control Data

### York Analytical Laboratories, Inc. - Stratford

| Analyte                               | Result | Reporting Limit | Units     | Spike Level | Source* Result | %REC | %REC Limits | Flag | RPD | RPD Limit | Flag |
|---------------------------------------|--------|-----------------|-----------|-------------|----------------|------|-------------|------|-----|-----------|------|
| <b>Batch BA30685 - EPA 3550C</b>      |        |                 |           |             |                |      |             |      |     |           |      |
| <b>Blank (BA30685-BLK1)</b>           |        |                 |           |             |                |      |             |      |     |           |      |
| Prepared & Analyzed: 01/16/2023       |        |                 |           |             |                |      |             |      |     |           |      |
| 1,1-Biphenyl                          | ND     | 0.0417          | mg/kg wet |             |                |      |             |      |     |           |      |
| 1,2,4,5-Tetrachlorobenzene            | ND     | 0.0833          | "         |             |                |      |             |      |     |           |      |
| 1,2,4-Trichlorobenzene                | ND     | 0.0417          | "         |             |                |      |             |      |     |           |      |
| 1,2-Dichlorobenzene                   | ND     | 0.0417          | "         |             |                |      |             |      |     |           |      |
| 1,2-Diphenylhydrazine (as Azobenzene) | ND     | 0.0417          | "         |             |                |      |             |      |     |           |      |
| 1,3-Dichlorobenzene                   | ND     | 0.0417          | "         |             |                |      |             |      |     |           |      |
| 1,4-Dichlorobenzene                   | ND     | 0.0417          | "         |             |                |      |             |      |     |           |      |
| 2,3,4,6-Tetrachlorophenol             | ND     | 0.0833          | "         |             |                |      |             |      |     |           |      |
| 2,4,5-Trichlorophenol                 | ND     | 0.0417          | "         |             |                |      |             |      |     |           |      |
| 2,4,6-Trichlorophenol                 | ND     | 0.0417          | "         |             |                |      |             |      |     |           |      |
| 2,4-Dichlorophenol                    | ND     | 0.0417          | "         |             |                |      |             |      |     |           |      |
| 2,4-Dimethylphenol                    | ND     | 0.0417          | "         |             |                |      |             |      |     |           |      |
| 2,4-Dinitrophenol                     | ND     | 0.0833          | "         |             |                |      |             |      |     |           |      |
| 2,4-Dinitrotoluene                    | ND     | 0.0417          | "         |             |                |      |             |      |     |           |      |
| 2,6-Dinitrotoluene                    | ND     | 0.0417          | "         |             |                |      |             |      |     |           |      |
| 2-Chloronaphthalene                   | ND     | 0.0417          | "         |             |                |      |             |      |     |           |      |
| 2-Chlorophenol                        | ND     | 0.0417          | "         |             |                |      |             |      |     |           |      |
| 2-Methylnaphthalene                   | ND     | 0.0417          | "         |             |                |      |             |      |     |           |      |
| 2-Methylphenol                        | ND     | 0.0417          | "         |             |                |      |             |      |     |           |      |
| 2-Nitroaniline                        | ND     | 0.0833          | "         |             |                |      |             |      |     |           |      |
| 2-Nitrophenol                         | ND     | 0.0417          | "         |             |                |      |             |      |     |           |      |
| 3- & 4-Methylphenols                  | ND     | 0.0417          | "         |             |                |      |             |      |     |           |      |
| 3,3-Dichlorobenzidine                 | ND     | 0.0417          | "         |             |                |      |             |      |     |           |      |
| 3-Nitroaniline                        | ND     | 0.0833          | "         |             |                |      |             |      |     |           |      |
| 4,6-Dinitro-2-methylphenol            | ND     | 0.0833          | "         |             |                |      |             |      |     |           |      |
| 4-Bromophenyl phenyl ether            | ND     | 0.0417          | "         |             |                |      |             |      |     |           |      |
| 4-Chloro-3-methylphenol               | ND     | 0.0417          | "         |             |                |      |             |      |     |           |      |
| 4-Chloroaniline                       | ND     | 0.0417          | "         |             |                |      |             |      |     |           |      |
| 4-Chlorophenyl phenyl ether           | ND     | 0.0417          | "         |             |                |      |             |      |     |           |      |
| 4-Nitroaniline                        | ND     | 0.0833          | "         |             |                |      |             |      |     |           |      |
| 4-Nitrophenol                         | ND     | 0.0833          | "         |             |                |      |             |      |     |           |      |
| Acenaphthene                          | ND     | 0.0417          | "         |             |                |      |             |      |     |           |      |
| Acenaphthylene                        | ND     | 0.0417          | "         |             |                |      |             |      |     |           |      |
| Acetophenone                          | ND     | 0.0417          | "         |             |                |      |             |      |     |           |      |
| Aniline                               | ND     | 0.167           | "         |             |                |      |             |      |     |           |      |
| Anthracene                            | ND     | 0.0417          | "         |             |                |      |             |      |     |           |      |
| Atrazine                              | ND     | 0.0417          | "         |             |                |      |             |      |     |           |      |
| Benzaldehyde                          | ND     | 0.0417          | "         |             |                |      |             |      |     |           |      |
| Benzidine                             | ND     | 0.167           | "         |             |                |      |             |      |     |           |      |
| Benzo(a)anthracene                    | ND     | 0.0417          | "         |             |                |      |             |      |     |           |      |
| Benzo(a)pyrene                        | ND     | 0.0417          | "         |             |                |      |             |      |     |           |      |
| Benzo(b)fluoranthene                  | ND     | 0.0417          | "         |             |                |      |             |      |     |           |      |
| Benzo(g,h,i)perylene                  | ND     | 0.0417          | "         |             |                |      |             |      |     |           |      |
| Benzo(k)fluoranthene                  | ND     | 0.0417          | "         |             |                |      |             |      |     |           |      |
| Benzoic acid                          | ND     | 0.0417          | "         |             |                |      |             |      |     |           |      |
| Benzyl alcohol                        | ND     | 0.0417          | "         |             |                |      |             |      |     |           |      |
| Benzyl butyl phthalate                | ND     | 0.0417          | "         |             |                |      |             |      |     |           |      |
| Bis(2-chloroethoxy)methane            | ND     | 0.0417          | "         |             |                |      |             |      |     |           |      |
| Bis(2-chloroethyl)ether               | ND     | 0.0417          | "         |             |                |      |             |      |     |           |      |
| Bis(2-chloroisopropyl)ether           | ND     | 0.0417          | "         |             |                |      |             |      |     |           |      |
| Bis(2-ethylhexyl)phthalate            | ND     | 0.0417          | "         |             |                |      |             |      |     |           |      |



## Semivolatile Organic Compounds by GC/MS - Quality Control Data

### York Analytical Laboratories, Inc. - Stratford

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source*<br>Result | %REC | %REC<br>Limits | Flag | RPD | RPD<br>Limit | Flag |
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|

#### Batch BA30685 - EPA 3550C

##### Blank (BA30685-BLK1)

Prepared & Analyzed: 01/16/2023

|                            |    |        |           |
|----------------------------|----|--------|-----------|
| Caprolactam                | ND | 0.0833 | mg/kg wet |
| Carbazole                  | ND | 0.0417 | "         |
| Chrysene                   | ND | 0.0417 | "         |
| Dibenzo(a,h)anthracene     | ND | 0.0417 | "         |
| Dibenzofuran               | ND | 0.0417 | "         |
| Diethyl phthalate          | ND | 0.0417 | "         |
| Dimethyl phthalate         | ND | 0.0417 | "         |
| Di-n-butyl phthalate       | ND | 0.0417 | "         |
| Di-n-octyl phthalate       | ND | 0.0417 | "         |
| Fluoranthene               | ND | 0.0417 | "         |
| Fluorene                   | ND | 0.0417 | "         |
| Hexachlorobenzene          | ND | 0.0417 | "         |
| Hexachlorobutadiene        | ND | 0.0417 | "         |
| Hexachlorocyclopentadiene  | ND | 0.0417 | "         |
| Hexachloroethane           | ND | 0.0417 | "         |
| Indeno(1,2,3-cd)pyrene     | ND | 0.0417 | "         |
| Isophorone                 | ND | 0.0417 | "         |
| Naphthalene                | ND | 0.0417 | "         |
| Nitrobenzene               | ND | 0.0417 | "         |
| N-Nitrosodimethylamine     | ND | 0.0417 | "         |
| N-nitroso-di-n-propylamine | ND | 0.0417 | "         |
| N-Nitrosodiphenylamine     | ND | 0.0417 | "         |
| Pentachlorophenol          | ND | 0.0417 | "         |
| Phenanthrene               | ND | 0.0417 | "         |
| Phenol                     | ND | 0.0417 | "         |
| Pyrene                     | ND | 0.0417 | "         |

|                                       |       |   |       |      |        |
|---------------------------------------|-------|---|-------|------|--------|
| Surrogate: SURR: 2-Fluorophenol       | 1.09  | " | 1.67  | 65.5 | 20-108 |
| Surrogate: SURR: Phenol-d5            | 1.11  | " | 1.67  | 66.7 | 23-114 |
| Surrogate: SURR: Nitrobenzene-d5      | 0.590 | " | 0.833 | 70.8 | 22-108 |
| Surrogate: SURR: 2-Fluorobiphenyl     | 0.589 | " | 0.833 | 70.6 | 21-113 |
| Surrogate: SURR: 2,4,6-Tribromophenol | 1.34  | " | 1.67  | 80.7 | 19-110 |
| Surrogate: SURR: Terphenyl-d14        | 0.684 | " | 0.833 | 82.0 | 24-116 |



## Semivolatile Organic Compounds by GC/MS - Quality Control Data

### York Analytical Laboratories, Inc. - Stratford

| Analyte                               | Result | Reporting Limit | Units     | Spike Level | Source* Result | %REC                            | %REC Limits | Flag     | RPD | RPD Limit | Flag |
|---------------------------------------|--------|-----------------|-----------|-------------|----------------|---------------------------------|-------------|----------|-----|-----------|------|
| <b>Batch BA30685 - EPA 3550C</b>      |        |                 |           |             |                |                                 |             |          |     |           |      |
| <b>LCS (BA30685-BS1)</b>              |        |                 |           |             |                | Prepared & Analyzed: 01/16/2023 |             |          |     |           |      |
| 1,1-Biphenyl                          | 0.604  | 0.0417          | mg/kg wet | 0.833       |                | 72.4                            | 18-111      |          |     |           |      |
| 1,2,4,5-Tetrachlorobenzene            | 0.646  | 0.0833          | "         | 0.833       |                | 77.5                            | 21-131      |          |     |           |      |
| 1,2,4-Trichlorobenzene                | 0.623  | 0.0417          | "         | 0.833       |                | 74.8                            | 10-140      |          |     |           |      |
| 1,2-Dichlorobenzene                   | 0.567  | 0.0417          | "         | 0.833       |                | 68.0                            | 34-108      |          |     |           |      |
| 1,2-Diphenylhydrazine (as Azobenzene) | 0.557  | 0.0417          | "         | 0.833       |                | 66.9                            | 17-137      |          |     |           |      |
| 1,3-Dichlorobenzene                   | 0.560  | 0.0417          | "         | 0.833       |                | 67.2                            | 33-110      |          |     |           |      |
| 1,4-Dichlorobenzene                   | 0.570  | 0.0417          | "         | 0.833       |                | 68.4                            | 32-104      |          |     |           |      |
| 2,3,4,6-Tetrachlorophenol             | 0.647  | 0.0833          | "         | 0.833       |                | 77.6                            | 30-130      |          |     |           |      |
| 2,4,5-Trichlorophenol                 | 0.639  | 0.0417          | "         | 0.833       |                | 76.7                            | 27-118      |          |     |           |      |
| 2,4,6-Trichlorophenol                 | 0.630  | 0.0417          | "         | 0.833       |                | 75.6                            | 31-120      |          |     |           |      |
| 2,4-Dichlorophenol                    | 0.635  | 0.0417          | "         | 0.833       |                | 76.2                            | 20-127      |          |     |           |      |
| 2,4-Dimethylphenol                    | 0.655  | 0.0417          | "         | 0.833       |                | 78.6                            | 14-132      |          |     |           |      |
| 2,4-Dinitrophenol                     | 0.177  | 0.0833          | "         | 0.833       |                | 21.3                            | 10-171      |          |     |           |      |
| 2,4-Dinitrotoluene                    | 0.684  | 0.0417          | "         | 0.833       |                | 82.1                            | 34-131      |          |     |           |      |
| 2,6-Dinitrotoluene                    | 0.715  | 0.0417          | "         | 0.833       |                | 85.8                            | 31-128      |          |     |           |      |
| 2-Chloronaphthalene                   | 0.598  | 0.0417          | "         | 0.833       |                | 71.7                            | 31-117      |          |     |           |      |
| 2-Chlorophenol                        | 0.576  | 0.0417          | "         | 0.833       |                | 69.2                            | 33-113      |          |     |           |      |
| 2-Methylnaphthalene                   | 0.625  | 0.0417          | "         | 0.833       |                | 75.0                            | 12-138      |          |     |           |      |
| 2-Methylphenol                        | 0.582  | 0.0417          | "         | 0.833       |                | 69.9                            | 10-136      |          |     |           |      |
| 2-Nitroaniline                        | 0.664  | 0.0833          | "         | 0.833       |                | 79.7                            | 27-132      |          |     |           |      |
| 2-Nitrophenol                         | 0.679  | 0.0417          | "         | 0.833       |                | 81.5                            | 17-129      |          |     |           |      |
| 3- & 4-Methylphenols                  | 0.515  | 0.0417          | "         | 0.833       |                | 61.8                            | 29-103      |          |     |           |      |
| 3,3-Dichlorobenzidine                 | 0.557  | 0.0417          | "         | 0.833       |                | 66.8                            | 22-149      |          |     |           |      |
| 3-Nitroaniline                        | 0.565  | 0.0833          | "         | 0.833       |                | 67.8                            | 20-133      |          |     |           |      |
| 4,6-Dinitro-2-methylphenol            | 0.735  | 0.0833          | "         | 0.833       |                | 88.2                            | 10-143      |          |     |           |      |
| 4-Bromophenyl phenyl ether            | 0.638  | 0.0417          | "         | 0.833       |                | 76.5                            | 29-120      |          |     |           |      |
| 4-Chloro-3-methylphenol               | 0.615  | 0.0417          | "         | 0.833       |                | 73.8                            | 24-129      |          |     |           |      |
| 4-Chloroaniline                       | 0.221  | 0.0417          | "         | 0.833       |                | 26.5                            | 10-132      |          |     |           |      |
| 4-Chlorophenyl phenyl ether           | 0.618  | 0.0417          | "         | 0.833       |                | 74.2                            | 27-124      |          |     |           |      |
| 4-Nitroaniline                        | 0.626  | 0.0833          | "         | 0.833       |                | 75.1                            | 16-128      |          |     |           |      |
| 4-Nitrophenol                         | 0.625  | 0.0833          | "         | 0.833       |                | 75.0                            | 10-141      |          |     |           |      |
| Acenaphthene                          | 0.605  | 0.0417          | "         | 0.833       |                | 72.6                            | 30-121      |          |     |           |      |
| Acenaphthylene                        | 0.568  | 0.0417          | "         | 0.833       |                | 68.1                            | 30-115      |          |     |           |      |
| Acetophenone                          | 0.550  | 0.0417          | "         | 0.833       |                | 66.0                            | 20-112      |          |     |           |      |
| Aniline                               | 0.582  | 0.167           | "         | 0.833       |                | 69.8                            | 10-119      |          |     |           |      |
| Anthracene                            | 0.651  | 0.0417          | "         | 0.833       |                | 78.2                            | 34-118      |          |     |           |      |
| Atrazine                              | 0.694  | 0.0417          | "         | 0.833       |                | 83.2                            | 26-112      |          |     |           |      |
| Benzaldehyde                          | 0.534  | 0.0417          | "         | 0.833       |                | 64.1                            | 21-100      |          |     |           |      |
| Benzo(a)anthracene                    | 0.621  | 0.0417          | "         | 0.833       |                | 74.5                            | 32-122      |          |     |           |      |
| Benzo(a)pyrene                        | 0.533  | 0.0417          | "         | 0.833       |                | 64.0                            | 29-133      |          |     |           |      |
| Benzo(b)fluoranthene                  | 0.600  | 0.0417          | "         | 0.833       |                | 72.0                            | 25-133      |          |     |           |      |
| Benzo(g,h,i)perylene                  | 0.579  | 0.0417          | "         | 0.833       |                | 69.5                            | 10-143      |          |     |           |      |
| Benzo(k)fluoranthene                  | 0.585  | 0.0417          | "         | 0.833       |                | 70.2                            | 25-128      |          |     |           |      |
| Benzoic acid                          | 0.0307 | 0.0417          | "         | 0.833       |                | 3.68                            | 10-140      | Low Bias |     |           |      |
| Benzyl alcohol                        | 0.568  | 0.0417          | "         | 0.833       |                | 68.1                            | 30-115      |          |     |           |      |
| Benzyl butyl phthalate                | 0.617  | 0.0417          | "         | 0.833       |                | 74.0                            | 26-126      |          |     |           |      |
| Bis(2-chloroethoxy)methane            | 0.577  | 0.0417          | "         | 0.833       |                | 69.3                            | 19-132      |          |     |           |      |
| Bis(2-chloroethyl)ether               | 0.535  | 0.0417          | "         | 0.833       |                | 64.2                            | 19-125      |          |     |           |      |
| Bis(2-chloroisopropyl)ether           | 0.502  | 0.0417          | "         | 0.833       |                | 60.2                            | 20-135      |          |     |           |      |
| Bis(2-ethylhexyl)phthalate            | 0.645  | 0.0417          | "         | 0.833       |                | 77.4                            | 10-155      |          |     |           |      |
| Caprolactam                           | 0.715  | 0.0833          | "         | 0.833       |                | 85.8                            | 10-127      |          |     |           |      |



## Semivolatile Organic Compounds by GC/MS - Quality Control Data

### York Analytical Laboratories, Inc. - Stratford

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

#### Batch BA30685 - EPA 3550C

##### LCS (BA30685-BS1)

Prepared & Analyzed: 01/16/2023

|                                       |       |        |           |       |  |      |        |  |  |  |  |
|---------------------------------------|-------|--------|-----------|-------|--|------|--------|--|--|--|--|
| Carbazole                             | 0.648 | 0.0417 | mg/kg wet | 0.833 |  | 77.8 | 35-123 |  |  |  |  |
| Chrysene                              | 0.589 | 0.0417 | "         | 0.833 |  | 70.7 | 32-123 |  |  |  |  |
| Dibenzo(a,h)anthracene                | 0.575 | 0.0417 | "         | 0.833 |  | 69.0 | 10-136 |  |  |  |  |
| Dibenzofuran                          | 0.609 | 0.0417 | "         | 0.833 |  | 73.1 | 29-121 |  |  |  |  |
| Diethyl phthalate                     | 0.608 | 0.0417 | "         | 0.833 |  | 73.0 | 34-116 |  |  |  |  |
| Dimethyl phthalate                    | 0.609 | 0.0417 | "         | 0.833 |  | 73.1 | 35-124 |  |  |  |  |
| Di-n-butyl phthalate                  | 0.614 | 0.0417 | "         | 0.833 |  | 73.7 | 31-116 |  |  |  |  |
| Di-n-octyl phthalate                  | 0.618 | 0.0417 | "         | 0.833 |  | 74.2 | 26-136 |  |  |  |  |
| Fluoranthene                          | 0.598 | 0.0417 | "         | 0.833 |  | 71.7 | 33-122 |  |  |  |  |
| Fluorene                              | 0.613 | 0.0417 | "         | 0.833 |  | 73.6 | 29-123 |  |  |  |  |
| Hexachlorobenzene                     | 0.596 | 0.0417 | "         | 0.833 |  | 71.5 | 21-124 |  |  |  |  |
| Hexachlorobutadiene                   | 0.595 | 0.0417 | "         | 0.833 |  | 71.4 | 10-149 |  |  |  |  |
| Hexachlorocyclopentadiene             | 0.529 | 0.0417 | "         | 0.833 |  | 63.4 | 10-129 |  |  |  |  |
| Hexachloroethane                      | 0.541 | 0.0417 | "         | 0.833 |  | 64.9 | 28-108 |  |  |  |  |
| Indeno(1,2,3-cd)pyrene                | 0.573 | 0.0417 | "         | 0.833 |  | 68.8 | 10-135 |  |  |  |  |
| Isophorone                            | 0.588 | 0.0417 | "         | 0.833 |  | 70.6 | 20-132 |  |  |  |  |
| Naphthalene                           | 0.611 | 0.0417 | "         | 0.833 |  | 73.3 | 23-124 |  |  |  |  |
| Nitrobenzene                          | 0.569 | 0.0417 | "         | 0.833 |  | 68.3 | 13-132 |  |  |  |  |
| N-Nitrosodimethylamine                | 0.515 | 0.0417 | "         | 0.833 |  | 61.8 | 11-129 |  |  |  |  |
| N-nitroso-di-n-propylamine            | 0.531 | 0.0417 | "         | 0.833 |  | 63.8 | 24-119 |  |  |  |  |
| N-Nitrosodiphenylamine                | 0.741 | 0.0417 | "         | 0.833 |  | 88.9 | 22-152 |  |  |  |  |
| Pentachlorophenol                     | 0.533 | 0.0417 | "         | 0.833 |  | 64.0 | 10-139 |  |  |  |  |
| Phenanthrene                          | 0.618 | 0.0417 | "         | 0.833 |  | 74.2 | 33-123 |  |  |  |  |
| Phenol                                | 0.561 | 0.0417 | "         | 0.833 |  | 67.4 | 23-115 |  |  |  |  |
| Pyrene                                | 0.604 | 0.0417 | "         | 0.833 |  | 72.5 | 32-130 |  |  |  |  |
| Surrogate: SURR: 2-Fluorophenol       | 1.13  |        | "         | 1.67  |  | 67.6 | 20-108 |  |  |  |  |
| Surrogate: SURR: Phenol-d5            | 1.14  |        | "         | 1.67  |  | 68.5 | 23-114 |  |  |  |  |
| Surrogate: SURR: Nitrobenzene-d5      | 0.595 |        | "         | 0.833 |  | 71.4 | 22-108 |  |  |  |  |
| Surrogate: SURR: 2-Fluorobiphenyl     | 0.603 |        | "         | 0.833 |  | 72.3 | 21-113 |  |  |  |  |
| Surrogate: SURR: 2,4,6-Tribromophenol | 1.48  |        | "         | 1.67  |  | 88.7 | 19-110 |  |  |  |  |
| Surrogate: SURR: Terphenyl-d14        | 0.677 |        | "         | 0.833 |  | 81.2 | 24-116 |  |  |  |  |





## Semivolatile Organic Compounds by GC/MS - Quality Control Data

### York Analytical Laboratories, Inc. - Stratford

| Analyte                               | Result | Reporting Limit                                  | Units     | Spike Level | Source* Result | %REC | %REC Limits | Flag                                       | RPD | RPD Limit | Flag |
|---------------------------------------|--------|--------------------------------------------------|-----------|-------------|----------------|------|-------------|--------------------------------------------|-----|-----------|------|
| <b>Batch BA30685 - EPA 3550C</b>      |        |                                                  |           |             |                |      |             |                                            |     |           |      |
| <b>Matrix Spike (BA30685-MS1)</b>     |        | <b>*Source sample: 23A0550-01 (Matrix Spike)</b> |           |             |                |      |             | <b>Prepared &amp; Analyzed: 01/16/2023</b> |     |           |      |
| 1,1-Biphenyl                          | 1.14   | 0.131                                            | mg/kg dry | 1.31        | ND             | 87.0 | 10-130      |                                            |     |           |      |
| 1,2,4,5-Tetrachlorobenzene            | 1.15   | 0.261                                            | "         | 1.31        | ND             | 88.0 | 10-133      |                                            |     |           |      |
| 1,2,4-Trichlorobenzene                | 1.09   | 0.131                                            | "         | 1.31        | ND             | 83.1 | 10-127      |                                            |     |           |      |
| 1,2-Dichlorobenzene                   | 0.934  | 0.131                                            | "         | 1.31        | ND             | 71.4 | 14-111      |                                            |     |           |      |
| 1,2-Diphenylhydrazine (as Azobenzene) | 1.04   | 0.131                                            | "         | 1.31        | ND             | 79.8 | 10-144      |                                            |     |           |      |
| 1,3-Dichlorobenzene                   | 0.907  | 0.131                                            | "         | 1.31        | ND             | 69.4 | 11-111      |                                            |     |           |      |
| 1,4-Dichlorobenzene                   | 0.930  | 0.131                                            | "         | 1.31        | ND             | 71.1 | 10-106      |                                            |     |           |      |
| 2,3,4,6-Tetrachlorophenol             | 1.09   | 0.261                                            | "         | 1.31        | ND             | 83.4 | 30-130      |                                            |     |           |      |
| 2,4,5-Trichlorophenol                 | 1.07   | 0.131                                            | "         | 1.31        | ND             | 81.9 | 10-127      |                                            |     |           |      |
| 2,4,6-Trichlorophenol                 | 1.07   | 0.131                                            | "         | 1.31        | ND             | 82.0 | 10-132      |                                            |     |           |      |
| 2,4-Dichlorophenol                    | 1.08   | 0.131                                            | "         | 1.31        | ND             | 82.6 | 10-128      |                                            |     |           |      |
| 2,4-Dimethylphenol                    | 1.17   | 0.131                                            | "         | 1.31        | ND             | 89.5 | 10-137      |                                            |     |           |      |
| 2,4-Dinitrophenol                     | 0.517  | 0.261                                            | "         | 1.31        | ND             | 39.5 | 10-171      |                                            |     |           |      |
| 2,4-Dinitrotoluene                    | 1.07   | 0.131                                            | "         | 1.31        | ND             | 82.1 | 16-135      |                                            |     |           |      |
| 2,6-Dinitrotoluene                    | 1.18   | 0.131                                            | "         | 1.31        | ND             | 90.6 | 18-131      |                                            |     |           |      |
| 2-Chloronaphthalene                   | 1.06   | 0.131                                            | "         | 1.31        | ND             | 81.4 | 10-129      |                                            |     |           |      |
| 2-Chlorophenol                        | 0.989  | 0.131                                            | "         | 1.31        | ND             | 75.6 | 15-116      |                                            |     |           |      |
| 2-Methylnaphthalene                   | 1.10   | 0.131                                            | "         | 1.31        | ND             | 83.8 | 10-147      |                                            |     |           |      |
| 2-Methylphenol                        | 1.03   | 0.131                                            | "         | 1.31        | ND             | 78.7 | 10-136      |                                            |     |           |      |
| 2-Nitroaniline                        | 1.11   | 0.261                                            | "         | 1.31        | ND             | 85.1 | 10-137      |                                            |     |           |      |
| 2-Nitrophenol                         | 1.17   | 0.131                                            | "         | 1.31        | ND             | 89.8 | 10-129      |                                            |     |           |      |
| 3- & 4-Methylphenols                  | 0.903  | 0.131                                            | "         | 1.31        | ND             | 69.0 | 10-123      |                                            |     |           |      |
| 3,3-Dichlorobenzidine                 | 0.345  | 0.131                                            | "         | 1.31        | ND             | 26.4 | 10-155      |                                            |     |           |      |
| 3-Nitroaniline                        | 0.882  | 0.261                                            | "         | 1.31        | ND             | 67.4 | 12-133      |                                            |     |           |      |
| 4,6-Dinitro-2-methylphenol            | 0.973  | 0.261                                            | "         | 1.31        | ND             | 74.4 | 10-155      |                                            |     |           |      |
| 4-Bromophenyl phenyl ether            | 1.09   | 0.131                                            | "         | 1.31        | ND             | 83.5 | 14-128      |                                            |     |           |      |
| 4-Chloro-3-methylphenol               | 1.04   | 0.131                                            | "         | 1.31        | ND             | 79.6 | 10-134      |                                            |     |           |      |
| 4-Chloroaniline                       | 0.533  | 0.131                                            | "         | 1.31        | ND             | 40.7 | 10-145      |                                            |     |           |      |
| 4-Chlorophenyl phenyl ether           | 1.04   | 0.131                                            | "         | 1.31        | ND             | 79.3 | 14-130      |                                            |     |           |      |
| 4-Nitroaniline                        | 0.837  | 0.261                                            | "         | 1.31        | ND             | 64.0 | 10-147      |                                            |     |           |      |
| 4-Nitrophenol                         | 0.926  | 0.261                                            | "         | 1.31        | ND             | 70.8 | 10-137      |                                            |     |           |      |
| Acenaphthene                          | 1.05   | 0.131                                            | "         | 1.31        | ND             | 80.4 | 10-146      |                                            |     |           |      |
| Acenaphthylene                        | 1.00   | 0.131                                            | "         | 1.31        | ND             | 76.8 | 10-134      |                                            |     |           |      |
| Acetophenone                          | 1.11   | 0.131                                            | "         | 1.31        | ND             | 85.0 | 10-116      |                                            |     |           |      |
| Aniline                               | 0.866  | 0.524                                            | "         | 1.31        | ND             | 66.2 | 10-123      |                                            |     |           |      |
| Anthracene                            | 1.16   | 0.131                                            | "         | 1.31        | ND             | 88.7 | 10-142      |                                            |     |           |      |
| Atrazine                              | 1.20   | 0.131                                            | "         | 1.31        | ND             | 91.8 | 19-115      |                                            |     |           |      |
| Benzaldehyde                          | 1.07   | 0.131                                            | "         | 1.31        | ND             | 81.7 | 10-125      |                                            |     |           |      |
| Benzo(a)anthracene                    | 1.25   | 0.131                                            | "         | 1.31        | 0.124          | 86.0 | 10-158      |                                            |     |           |      |
| Benzo(a)pyrene                        | 1.19   | 0.131                                            | "         | 1.31        | 0.154          | 79.1 | 10-180      |                                            |     |           |      |
| Benzo(b)fluoranthene                  | 1.33   | 0.131                                            | "         | 1.31        | 0.168          | 89.1 | 10-200      |                                            |     |           |      |
| Benzo(g,h,i)perylene                  | 1.17   | 0.131                                            | "         | 1.31        | 0.124          | 80.3 | 10-138      |                                            |     |           |      |
| Benzo(k)fluoranthene                  | 1.22   | 0.131                                            | "         | 1.31        | 0.138          | 82.8 | 10-197      |                                            |     |           |      |
| Benzoic acid                          | 0.269  | 0.131                                            | "         | 1.31        | ND             | 20.6 | 10-166      |                                            |     |           |      |
| Benzyl alcohol                        | 0.965  | 0.131                                            | "         | 1.31        | ND             | 73.8 | 12-124      |                                            |     |           |      |
| Benzyl butyl phthalate                | 1.07   | 0.131                                            | "         | 1.31        | ND             | 81.5 | 10-154      |                                            |     |           |      |
| Bis(2-chloroethoxy)methane            | 1.04   | 0.131                                            | "         | 1.31        | ND             | 79.8 | 10-132      |                                            |     |           |      |
| Bis(2-chloroethyl)ether               | 0.936  | 0.131                                            | "         | 1.31        | ND             | 71.6 | 10-119      |                                            |     |           |      |
| Bis(2-chloroisopropyl)ether           | 0.925  | 0.131                                            | "         | 1.31        | ND             | 70.7 | 10-139      |                                            |     |           |      |
| Bis(2-ethylhexyl)phthalate            | 1.12   | 0.131                                            | "         | 1.31        | ND             | 85.4 | 10-167      |                                            |     |           |      |
| Caprolactam                           | 1.13   | 0.261                                            | "         | 1.31        | ND             | 86.6 | 10-132      |                                            |     |           |      |



## Semivolatile Organic Compounds by GC/MS - Quality Control Data

### York Analytical Laboratories, Inc. - Stratford

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source*<br>Result | %REC | %REC<br>Limits | Flag | RPD | RPD<br>Limit | Flag |
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|

#### Batch BA30685 - EPA 3550C

| Matrix Spike (BA30685-MS1)            |       | *Source sample: 23A0550-01 (Matrix Spike) |           |      |       |      | Prepared & Analyzed: 01/16/2023 |  |  |  |  |
|---------------------------------------|-------|-------------------------------------------|-----------|------|-------|------|---------------------------------|--|--|--|--|
| Carbazole                             | 1.12  | 0.131                                     | mg/kg dry | 1.31 | ND    | 85.8 | 10-167                          |  |  |  |  |
| Chrysene                              | 1.25  | 0.131                                     | "         | 1.31 | 0.148 | 84.2 | 10-156                          |  |  |  |  |
| Dibenzo(a,h)anthracene                | 1.07  | 0.131                                     | "         | 1.31 | ND    | 81.5 | 10-137                          |  |  |  |  |
| Dibenzofuran                          | 1.06  | 0.131                                     | "         | 1.31 | ND    | 81.2 | 10-147                          |  |  |  |  |
| Diethyl phthalate                     | 1.01  | 0.131                                     | "         | 1.31 | ND    | 77.5 | 20-120                          |  |  |  |  |
| Dimethyl phthalate                    | 1.04  | 0.131                                     | "         | 1.31 | ND    | 79.4 | 18-131                          |  |  |  |  |
| Di-n-butyl phthalate                  | 1.07  | 0.131                                     | "         | 1.31 | ND    | 81.6 | 10-137                          |  |  |  |  |
| Di-n-octyl phthalate                  | 1.10  | 0.131                                     | "         | 1.31 | ND    | 84.5 | 10-180                          |  |  |  |  |
| Fluoranthene                          | 1.33  | 0.131                                     | "         | 1.31 | 0.195 | 86.9 | 10-160                          |  |  |  |  |
| Fluorene                              | 1.04  | 0.131                                     | "         | 1.31 | ND    | 79.3 | 10-157                          |  |  |  |  |
| Hexachlorobenzene                     | 1.07  | 0.131                                     | "         | 1.31 | ND    | 81.7 | 10-137                          |  |  |  |  |
| Hexachlorobutadiene                   | 1.04  | 0.131                                     | "         | 1.31 | ND    | 79.6 | 10-132                          |  |  |  |  |
| Hexachlorocyclopentadiene             | 0.699 | 0.131                                     | "         | 1.31 | ND    | 53.4 | 10-106                          |  |  |  |  |
| Hexachloroethane                      | 0.930 | 0.131                                     | "         | 1.31 | ND    | 71.1 | 10-110                          |  |  |  |  |
| Indeno(1,2,3-cd)pyrene                | 1.20  | 0.131                                     | "         | 1.31 | 0.130 | 81.5 | 10-144                          |  |  |  |  |
| Isophorone                            | 1.06  | 0.131                                     | "         | 1.31 | ND    | 80.7 | 10-132                          |  |  |  |  |
| Naphthalene                           | 1.09  | 0.131                                     | "         | 1.31 | ND    | 83.2 | 10-141                          |  |  |  |  |
| Nitrobenzene                          | 1.01  | 0.131                                     | "         | 1.31 | ND    | 77.6 | 10-131                          |  |  |  |  |
| N-Nitrosodimethylamine                | 0.841 | 0.131                                     | "         | 1.31 | ND    | 64.3 | 10-126                          |  |  |  |  |
| N-nitroso-di-n-propylamine            | 0.966 | 0.131                                     | "         | 1.31 | ND    | 73.8 | 10-125                          |  |  |  |  |
| N-Nitrosodiphenylamine                | 1.31  | 0.131                                     | "         | 1.31 | ND    | 100  | 10-177                          |  |  |  |  |
| Pentachlorophenol                     | 1.02  | 0.131                                     | "         | 1.31 | ND    | 78.3 | 10-153                          |  |  |  |  |
| Phenanthrene                          | 1.20  | 0.131                                     | "         | 1.31 | ND    | 91.4 | 10-148                          |  |  |  |  |
| Phenol                                | 0.979 | 0.131                                     | "         | 1.31 | ND    | 74.9 | 10-126                          |  |  |  |  |
| Pyrene                                | 1.29  | 0.131                                     | "         | 1.31 | 0.184 | 84.6 | 10-165                          |  |  |  |  |
| Surrogate: SURR: 2-Fluorophenol       | 1.95  |                                           | "         | 2.62 |       | 74.4 | 20-108                          |  |  |  |  |
| Surrogate: SURR: Phenol-d5            | 2.03  |                                           | "         | 2.62 |       | 77.6 | 23-114                          |  |  |  |  |
| Surrogate: SURR: Nitrobenzene-d5      | 1.06  |                                           | "         | 1.31 |       | 81.2 | 22-108                          |  |  |  |  |
| Surrogate: SURR: 2-Fluorobiphenyl     | 1.01  |                                           | "         | 1.31 |       | 76.9 | 21-113                          |  |  |  |  |
| Surrogate: SURR: 2,4,6-Tribromophenol | 2.46  |                                           | "         | 2.62 |       | 94.1 | 19-110                          |  |  |  |  |
| Surrogate: SURR: Terphenyl-d14        | 1.01  |                                           | "         | 1.31 |       | 77.5 | 24-116                          |  |  |  |  |



## Semivolatile Organic Compounds by GC/MS - Quality Control Data

### York Analytical Laboratories, Inc. - Stratford

| Analyte                                | Result | Reporting Limit                                      | Units     | Spike Level | Source* Result | %REC | %REC Limits                                | Flag | RPD   | RPD Limit | Flag     |
|----------------------------------------|--------|------------------------------------------------------|-----------|-------------|----------------|------|--------------------------------------------|------|-------|-----------|----------|
| <b>Batch BA30685 - EPA 3550C</b>       |        |                                                      |           |             |                |      |                                            |      |       |           |          |
| <b>Matrix Spike Dup (BA30685-MSD1)</b> |        | <b>*Source sample: 23A0550-01 (Matrix Spike Dup)</b> |           |             |                |      | <b>Prepared &amp; Analyzed: 01/16/2023</b> |      |       |           |          |
| 1,1-Biphenyl                           | 1.17   | 0.131                                                | mg/kg dry | 1.31        | ND             | 89.4 | 10-130                                     |      | 2.72  | 30        |          |
| 1,2,4,5-Tetrachlorobenzene             | 1.22   | 0.261                                                | "         | 1.31        | ND             | 93.4 | 10-133                                     |      | 5.91  | 30        |          |
| 1,2,4-Trichlorobenzene                 | 1.14   | 0.131                                                | "         | 1.31        | ND             | 87.5 | 10-127                                     |      | 5.16  | 30        |          |
| 1,2-Dichlorobenzene                    | 1.00   | 0.131                                                | "         | 1.31        | ND             | 76.8 | 14-111                                     |      | 7.23  | 30        |          |
| 1,2-Diphenylhydrazine (as Azobenzene)  | 1.05   | 0.131                                                | "         | 1.31        | ND             | 80.0 | 10-144                                     |      | 0.300 | 30        |          |
| 1,3-Dichlorobenzene                    | 0.981  | 0.131                                                | "         | 1.31        | ND             | 75.0 | 11-111                                     |      | 7.87  | 30        |          |
| 1,4-Dichlorobenzene                    | 0.991  | 0.131                                                | "         | 1.31        | ND             | 75.8 | 10-106                                     |      | 6.32  | 30        |          |
| 2,3,4,6-Tetrachlorophenol              | 1.18   | 0.261                                                | "         | 1.31        | ND             | 90.2 | 30-130                                     |      | 7.93  | 30        |          |
| 2,4,5-Trichlorophenol                  | 1.20   | 0.131                                                | "         | 1.31        | ND             | 91.7 | 10-127                                     |      | 11.2  | 30        |          |
| 2,4,6-Trichlorophenol                  | 1.18   | 0.131                                                | "         | 1.31        | ND             | 90.2 | 10-132                                     |      | 9.48  | 30        |          |
| 2,4-Dichlorophenol                     | 1.17   | 0.131                                                | "         | 1.31        | ND             | 89.8 | 10-128                                     |      | 8.35  | 30        |          |
| 2,4-Dimethylphenol                     | 1.24   | 0.131                                                | "         | 1.31        | ND             | 94.5 | 10-137                                     |      | 5.39  | 30        |          |
| 2,4-Dinitrophenol                      | 0.418  | 0.261                                                | "         | 1.31        | ND             | 32.0 | 10-171                                     |      | 21.0  | 30        |          |
| 2,4-Dinitrotoluene                     | 1.18   | 0.131                                                | "         | 1.31        | ND             | 90.6 | 16-135                                     |      | 9.82  | 30        |          |
| 2,6-Dinitrotoluene                     | 1.26   | 0.131                                                | "         | 1.31        | ND             | 96.3 | 18-131                                     |      | 6.16  | 30        |          |
| 2-Chloronaphthalene                    | 1.11   | 0.131                                                | "         | 1.31        | ND             | 85.1 | 10-129                                     |      | 4.52  | 30        |          |
| 2-Chlorophenol                         | 1.07   | 0.131                                                | "         | 1.31        | ND             | 81.8 | 15-116                                     |      | 7.93  | 30        |          |
| 2-Methylnaphthalene                    | 1.15   | 0.131                                                | "         | 1.31        | ND             | 88.2 | 10-147                                     |      | 5.21  | 30        |          |
| 2-Methylphenol                         | 1.09   | 0.131                                                | "         | 1.31        | ND             | 83.6 | 10-136                                     |      | 6.01  | 30        |          |
| 2-Nitroaniline                         | 1.23   | 0.261                                                | "         | 1.31        | ND             | 93.8 | 10-137                                     |      | 9.66  | 30        |          |
| 2-Nitrophenol                          | 1.22   | 0.131                                                | "         | 1.31        | ND             | 93.6 | 10-129                                     |      | 4.10  | 30        |          |
| 3- & 4-Methylphenols                   | 0.954  | 0.131                                                | "         | 1.31        | ND             | 73.0 | 10-123                                     |      | 5.52  | 30        |          |
| 3,3-Dichlorobenzidine                  | 0.289  | 0.131                                                | "         | 1.31        | ND             | 22.1 | 10-155                                     |      | 17.8  | 30        |          |
| 3-Nitroaniline                         | 0.951  | 0.261                                                | "         | 1.31        | ND             | 72.7 | 12-133                                     |      | 7.53  | 30        |          |
| 4,6-Dinitro-2-methylphenol             | 0.725  | 0.261                                                | "         | 1.31        | ND             | 55.4 | 10-155                                     |      | 29.2  | 30        |          |
| 4-Bromophenyl phenyl ether             | 1.22   | 0.131                                                | "         | 1.31        | ND             | 93.0 | 14-128                                     |      | 10.7  | 30        |          |
| 4-Chloro-3-methylphenol                | 1.13   | 0.131                                                | "         | 1.31        | ND             | 86.3 | 10-134                                     |      | 8.10  | 30        |          |
| 4-Chloroaniline                        | 0.621  | 0.131                                                | "         | 1.31        | ND             | 47.5 | 10-145                                     |      | 15.4  | 30        |          |
| 4-Chlorophenyl phenyl ether            | 1.10   | 0.131                                                | "         | 1.31        | ND             | 84.1 | 14-130                                     |      | 5.88  | 30        |          |
| 4-Nitroaniline                         | 0.842  | 0.261                                                | "         | 1.31        | ND             | 64.4 | 10-147                                     |      | 0.623 | 30        |          |
| 4-Nitrophenol                          | 0.972  | 0.261                                                | "         | 1.31        | ND             | 74.3 | 10-137                                     |      | 4.85  | 30        |          |
| Acenaphthene                           | 1.13   | 0.131                                                | "         | 1.31        | ND             | 86.4 | 10-146                                     |      | 7.19  | 30        |          |
| Acenaphthylene                         | 1.07   | 0.131                                                | "         | 1.31        | ND             | 81.6 | 10-134                                     |      | 6.06  | 30        |          |
| Acetophenone                           | 1.05   | 0.131                                                | "         | 1.31        | ND             | 80.2 | 10-116                                     |      | 5.81  | 30        |          |
| Aniline                                | 0.497  | 0.524                                                | "         | 1.31        | ND             | 38.0 | 10-123                                     |      | 54.2  | 30        | Non-dir. |
| Anthracene                             | 1.24   | 0.131                                                | "         | 1.31        | ND             | 94.6 | 10-142                                     |      | 6.37  | 30        |          |
| Atrazine                               | 1.30   | 0.131                                                | "         | 1.31        | ND             | 99.1 | 19-115                                     |      | 7.71  | 30        |          |
| Benzaldehyde                           | 1.06   | 0.131                                                | "         | 1.31        | ND             | 80.8 | 10-125                                     |      | 1.08  | 30        |          |
| Benzo(a)anthracene                     | 1.37   | 0.131                                                | "         | 1.31        | 0.124          | 95.1 | 10-158                                     |      | 9.11  | 30        |          |
| Benzo(a)pyrene                         | 1.34   | 0.131                                                | "         | 1.31        | 0.154          | 90.9 | 10-180                                     |      | 12.2  | 30        |          |
| Benzo(b)fluoranthene                   | 1.45   | 0.131                                                | "         | 1.31        | 0.168          | 97.8 | 10-200                                     |      | 8.20  | 30        |          |
| Benzo(g,h,i)perylene                   | 1.32   | 0.131                                                | "         | 1.31        | 0.124          | 91.1 | 10-138                                     |      | 11.3  | 30        |          |
| Benzo(k)fluoranthene                   | 1.37   | 0.131                                                | "         | 1.31        | 0.138          | 93.8 | 10-197                                     |      | 11.2  | 30        |          |
| Benzoic acid                           | 0.284  | 0.131                                                | "         | 1.31        | ND             | 21.7 | 10-166                                     |      | 5.30  | 30        |          |
| Benzyl alcohol                         | 1.05   | 0.131                                                | "         | 1.31        | ND             | 80.2 | 12-124                                     |      | 8.42  | 30        |          |
| Benzyl butyl phthalate                 | 1.15   | 0.131                                                | "         | 1.31        | ND             | 87.6 | 10-154                                     |      | 7.19  | 30        |          |
| Bis(2-chloroethoxy)methane             | 1.06   | 0.131                                                | "         | 1.31        | ND             | 81.1 | 10-132                                     |      | 1.69  | 30        |          |
| Bis(2-chloroethyl)ether                | 1.08   | 0.131                                                | "         | 1.31        | ND             | 82.6 | 10-119                                     |      | 14.2  | 30        |          |
| Bis(2-chloroisopropyl)ether            | 0.930  | 0.131                                                | "         | 1.31        | ND             | 71.1 | 10-139                                     |      | 0.564 | 30        |          |
| Bis(2-ethylhexyl)phthalate             | 1.20   | 0.131                                                | "         | 1.31        | ND             | 91.6 | 10-167                                     |      | 6.96  | 30        |          |
| Caprolactam                            | 1.25   | 0.261                                                | "         | 1.31        | ND             | 95.8 | 10-132                                     |      | 10.2  | 30        |          |



## Semivolatile Organic Compounds by GC/MS - Quality Control Data

### York Analytical Laboratories, Inc. - Stratford

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

#### Batch BA30685 - EPA 3550C

| Matrix Spike Dup (BA30685-MSD1)       | *Source sample: 23A0550-01 (Matrix Spike Dup) |       |           |      |       | Prepared & Analyzed: 01/16/2023 |        |  |       |    |  |
|---------------------------------------|-----------------------------------------------|-------|-----------|------|-------|---------------------------------|--------|--|-------|----|--|
| Carbazole                             | 1.19                                          | 0.131 | mg/kg dry | 1.31 | ND    | 91.0                            | 10-167 |  | 5.79  | 30 |  |
| Chrysene                              | 1.36                                          | 0.131 | "         | 1.31 | 0.148 | 92.5                            | 10-156 |  | 8.27  | 30 |  |
| Dibenzo(a,h)anthracene                | 1.19                                          | 0.131 | "         | 1.31 | ND    | 90.7                            | 10-137 |  | 10.7  | 30 |  |
| Dibenzofuran                          | 1.11                                          | 0.131 | "         | 1.31 | ND    | 85.0                            | 10-147 |  | 4.62  | 30 |  |
| Diethyl phthalate                     | 1.08                                          | 0.131 | "         | 1.31 | ND    | 82.9                            | 20-120 |  | 6.68  | 30 |  |
| Dimethyl phthalate                    | 1.09                                          | 0.131 | "         | 1.31 | ND    | 83.7                            | 18-131 |  | 5.30  | 30 |  |
| Di-n-butyl phthalate                  | 1.13                                          | 0.131 | "         | 1.31 | ND    | 86.3                            | 10-137 |  | 5.62  | 30 |  |
| Di-n-octyl phthalate                  | 1.17                                          | 0.131 | "         | 1.31 | ND    | 89.5                            | 10-180 |  | 5.79  | 30 |  |
| Fluoranthene                          | 1.37                                          | 0.131 | "         | 1.31 | 0.195 | 89.5                            | 10-160 |  | 2.56  | 30 |  |
| Fluorene                              | 1.13                                          | 0.131 | "         | 1.31 | ND    | 86.1                            | 10-157 |  | 8.22  | 30 |  |
| Hexachlorobenzene                     | 1.12                                          | 0.131 | "         | 1.31 | ND    | 85.5                            | 10-137 |  | 4.59  | 30 |  |
| Hexachlorobutadiene                   | 1.11                                          | 0.131 | "         | 1.31 | ND    | 84.7                            | 10-132 |  | 6.23  | 30 |  |
| Hexachlorocyclopentadiene             | 0.531                                         | 0.131 | "         | 1.31 | ND    | 40.6                            | 10-106 |  | 27.2  | 30 |  |
| Hexachloroethane                      | 0.932                                         | 0.131 | "         | 1.31 | ND    | 71.3                            | 10-110 |  | 0.225 | 30 |  |
| Indeno(1,2,3-cd)pyrene                | 1.32                                          | 0.131 | "         | 1.31 | 0.130 | 90.8                            | 10-144 |  | 9.66  | 30 |  |
| Isophorone                            | 1.10                                          | 0.131 | "         | 1.31 | ND    | 83.8                            | 10-132 |  | 3.79  | 30 |  |
| Naphthalene                           | 1.13                                          | 0.131 | "         | 1.31 | ND    | 86.2                            | 10-141 |  | 3.50  | 30 |  |
| Nitrobenzene                          | 1.06                                          | 0.131 | "         | 1.31 | ND    | 80.8                            | 10-131 |  | 4.04  | 30 |  |
| N-Nitrosodimethylamine                | 0.888                                         | 0.131 | "         | 1.31 | ND    | 67.9                            | 10-126 |  | 5.44  | 30 |  |
| N-nitroso-di-n-propylamine            | 1.01                                          | 0.131 | "         | 1.31 | ND    | 77.1                            | 10-125 |  | 4.35  | 30 |  |
| N-Nitrosodiphenylamine                | 1.40                                          | 0.131 | "         | 1.31 | ND    | 107                             | 10-177 |  | 6.32  | 30 |  |
| Pentachlorophenol                     | 1.16                                          | 0.131 | "         | 1.31 | ND    | 89.0                            | 10-153 |  | 12.7  | 30 |  |
| Phenanthrene                          | 1.22                                          | 0.131 | "         | 1.31 | ND    | 93.4                            | 10-148 |  | 2.08  | 30 |  |
| Phenol                                | 0.987                                         | 0.131 | "         | 1.31 | ND    | 75.4                            | 10-126 |  | 0.745 | 30 |  |
| Pyrene                                | 1.38                                          | 0.131 | "         | 1.31 | 0.184 | 91.2                            | 10-165 |  | 6.43  | 30 |  |
| Surrogate: SURR: 2-Fluorophenol       | 2.04                                          |       | "         | 2.62 |       | 78.0                            | 20-108 |  |       |    |  |
| Surrogate: SURR: Phenol-d5            | 2.08                                          |       | "         | 2.62 |       | 79.4                            | 23-114 |  |       |    |  |
| Surrogate: SURR: Nitrobenzene-d5      | 1.10                                          |       | "         | 1.31 |       | 84.1                            | 22-108 |  |       |    |  |
| Surrogate: SURR: 2-Fluorobiphenyl     | 1.10                                          |       | "         | 1.31 |       | 83.9                            | 21-113 |  |       |    |  |
| Surrogate: SURR: 2,4,6-Tribromophenol | 2.71                                          |       | "         | 2.62 |       | 104                             | 19-110 |  |       |    |  |
| Surrogate: SURR: Terphenyl-d14        | 1.18                                          |       | "         | 1.31 |       | 90.1                            | 24-116 |  |       |    |  |



## Organochlorine Pesticides by GC/ECD - Quality Control Data

### York Analytical Laboratories, Inc. - Stratford

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

#### Batch BA30314 - EPA 3550C

##### Blank (BA30314-BLK1)

Prepared: 01/09/2023 Analyzed: 01/12/2023

|                                 |        |         |           |        |  |      |        |  |  |  |  |
|---------------------------------|--------|---------|-----------|--------|--|------|--------|--|--|--|--|
| 4,4'-DDD                        | ND     | 0.00164 | mg/kg wet |        |  |      |        |  |  |  |  |
| 4,4'-DDE                        | ND     | 0.00164 | "         |        |  |      |        |  |  |  |  |
| 4,4'-DDT                        | ND     | 0.00164 | "         |        |  |      |        |  |  |  |  |
| Aldrin                          | ND     | 0.00164 | "         |        |  |      |        |  |  |  |  |
| alpha-BHC                       | ND     | 0.00164 | "         |        |  |      |        |  |  |  |  |
| alpha-Chlordane                 | ND     | 0.00164 | "         |        |  |      |        |  |  |  |  |
| beta-BHC                        | ND     | 0.00164 | "         |        |  |      |        |  |  |  |  |
| Chlordane, total                | ND     | 0.0329  | "         |        |  |      |        |  |  |  |  |
| delta-BHC                       | ND     | 0.00164 | "         |        |  |      |        |  |  |  |  |
| Dieldrin                        | ND     | 0.00164 | "         |        |  |      |        |  |  |  |  |
| Endosulfan I                    | ND     | 0.00164 | "         |        |  |      |        |  |  |  |  |
| Endosulfan II                   | ND     | 0.00164 | "         |        |  |      |        |  |  |  |  |
| Endosulfan sulfate              | ND     | 0.00164 | "         |        |  |      |        |  |  |  |  |
| Endrin                          | ND     | 0.00164 | "         |        |  |      |        |  |  |  |  |
| Endrin aldehyde                 | ND     | 0.00164 | "         |        |  |      |        |  |  |  |  |
| Endrin ketone                   | ND     | 0.00164 | "         |        |  |      |        |  |  |  |  |
| gamma-BHC (Lindane)             | ND     | 0.00164 | "         |        |  |      |        |  |  |  |  |
| gamma-Chlordane                 | ND     | 0.00164 | "         |        |  |      |        |  |  |  |  |
| Heptachlor                      | ND     | 0.00164 | "         |        |  |      |        |  |  |  |  |
| Heptachlor epoxide              | ND     | 0.00164 | "         |        |  |      |        |  |  |  |  |
| Methoxychlor                    | ND     | 0.00822 | "         |        |  |      |        |  |  |  |  |
| Toxaphene                       | ND     | 0.0832  | "         |        |  |      |        |  |  |  |  |
| Surrogate: Decachlorobiphenyl   | 0.0533 |         | "         | 0.0664 |  | 80.2 | 30-150 |  |  |  |  |
| Surrogate: Tetrachloro-m-xylene | 0.0585 |         | "         | 0.0664 |  | 88.1 | 30-150 |  |  |  |  |

##### LCS (BA30314-BS1)

Prepared: 01/09/2023 Analyzed: 01/12/2023

|                                 |        |         |           |        |  |      |        |  |  |  |  |
|---------------------------------|--------|---------|-----------|--------|--|------|--------|--|--|--|--|
| 4,4'-DDD                        | 0.0302 | 0.00164 | mg/kg wet | 0.0332 |  | 90.8 | 40-140 |  |  |  |  |
| 4,4'-DDE                        | 0.0300 | 0.00164 | "         | 0.0332 |  | 90.4 | 40-140 |  |  |  |  |
| 4,4'-DDT                        | 0.0221 | 0.00164 | "         | 0.0332 |  | 66.7 | 40-140 |  |  |  |  |
| Aldrin                          | 0.0295 | 0.00164 | "         | 0.0332 |  | 88.7 | 40-140 |  |  |  |  |
| alpha-BHC                       | 0.0253 | 0.00164 | "         | 0.0332 |  | 76.2 | 40-140 |  |  |  |  |
| alpha-Chlordane                 | 0.0317 | 0.00164 | "         | 0.0332 |  | 95.6 | 40-140 |  |  |  |  |
| beta-BHC                        | 0.0317 | 0.00164 | "         | 0.0332 |  | 95.4 | 40-140 |  |  |  |  |
| delta-BHC                       | 0.0277 | 0.00164 | "         | 0.0332 |  | 83.3 | 40-140 |  |  |  |  |
| Dieldrin                        | 0.0320 | 0.00164 | "         | 0.0332 |  | 96.4 | 40-140 |  |  |  |  |
| Endosulfan I                    | 0.0328 | 0.00164 | "         | 0.0332 |  | 98.7 | 40-140 |  |  |  |  |
| Endosulfan II                   | 0.0314 | 0.00164 | "         | 0.0332 |  | 94.4 | 40-140 |  |  |  |  |
| Endosulfan sulfate              | 0.0287 | 0.00164 | "         | 0.0332 |  | 86.5 | 40-140 |  |  |  |  |
| Endrin                          | 0.0277 | 0.00164 | "         | 0.0332 |  | 83.3 | 40-140 |  |  |  |  |
| Endrin aldehyde                 | 0.0302 | 0.00164 | "         | 0.0332 |  | 91.0 | 40-140 |  |  |  |  |
| Endrin ketone                   | 0.0298 | 0.00164 | "         | 0.0332 |  | 89.7 | 40-140 |  |  |  |  |
| gamma-BHC (Lindane)             | 0.0303 | 0.00164 | "         | 0.0332 |  | 91.1 | 40-140 |  |  |  |  |
| gamma-Chlordane                 | 0.0318 | 0.00164 | "         | 0.0332 |  | 95.9 | 40-140 |  |  |  |  |
| Heptachlor                      | 0.0282 | 0.00164 | "         | 0.0332 |  | 84.8 | 40-140 |  |  |  |  |
| Heptachlor epoxide              | 0.0326 | 0.00164 | "         | 0.0332 |  | 98.1 | 40-140 |  |  |  |  |
| Methoxychlor                    | 0.0215 | 0.00822 | "         | 0.0332 |  | 64.7 | 40-140 |  |  |  |  |
| Surrogate: Decachlorobiphenyl   | 0.0593 |         | "         | 0.0664 |  | 89.3 | 30-150 |  |  |  |  |
| Surrogate: Tetrachloro-m-xylene | 0.0669 |         | "         | 0.0664 |  | 101  | 30-150 |  |  |  |  |



## Polychlorinated Biphenyls by GC/ECD - Quality Control Data

### York Analytical Laboratories, Inc. - Stratford

| Analyte                                   | Result | Reporting Limit | Units     | Spike Level | Source* Result | %REC | %REC Limits | Flag | RPD | RPD Limit | Flag |
|-------------------------------------------|--------|-----------------|-----------|-------------|----------------|------|-------------|------|-----|-----------|------|
| <b>Batch BA30314 - EPA 3550C</b>          |        |                 |           |             |                |      |             |      |     |           |      |
| <b>Blank (BA30314-BLK2)</b>               |        |                 |           |             |                |      |             |      |     |           |      |
| Prepared & Analyzed: 01/09/2023           |        |                 |           |             |                |      |             |      |     |           |      |
| Aroclor 1016                              | ND     | 0.0166          | mg/kg wet |             |                |      |             |      |     |           |      |
| Aroclor 1221                              | ND     | 0.0166          | "         |             |                |      |             |      |     |           |      |
| Aroclor 1232                              | ND     | 0.0166          | "         |             |                |      |             |      |     |           |      |
| Aroclor 1242                              | ND     | 0.0166          | "         |             |                |      |             |      |     |           |      |
| Aroclor 1248                              | ND     | 0.0166          | "         |             |                |      |             |      |     |           |      |
| Aroclor 1254                              | ND     | 0.0166          | "         |             |                |      |             |      |     |           |      |
| Aroclor 1260                              | ND     | 0.0166          | "         |             |                |      |             |      |     |           |      |
| Aroclor 1262                              | ND     | 0.0166          | "         |             |                |      |             |      |     |           |      |
| Aroclor 1268                              | ND     | 0.0166          | "         |             |                |      |             |      |     |           |      |
| Total PCBs                                | ND     | 0.0166          | "         |             |                |      |             |      |     |           |      |
| Surrogate: Tetrachloro-m-xylene           | 0.0625 |                 | "         | 0.0664      |                | 94.0 | 30-140      |      |     |           |      |
| Surrogate: Decachlorobiphenyl             | 0.0608 |                 | "         | 0.0664      |                | 91.5 | 30-140      |      |     |           |      |
| <b>LCS (BA30314-BS2)</b>                  |        |                 |           |             |                |      |             |      |     |           |      |
| Prepared & Analyzed: 01/09/2023           |        |                 |           |             |                |      |             |      |     |           |      |
| Aroclor 1016                              | 0.294  | 0.0166          | mg/kg wet | 0.332       |                | 88.6 | 40-130      |      |     |           |      |
| Aroclor 1260                              | 0.330  | 0.0166          | "         | 0.332       |                | 99.3 | 40-130      |      |     |           |      |
| Surrogate: Tetrachloro-m-xylene           | 0.0561 |                 | "         | 0.0664      |                | 84.5 | 30-140      |      |     |           |      |
| Surrogate: Decachlorobiphenyl             | 0.0588 |                 | "         | 0.0664      |                | 88.5 | 30-140      |      |     |           |      |
| <b>Matrix Spike (BA30314-MS2)</b>         |        |                 |           |             |                |      |             |      |     |           |      |
| *Source sample: 23A0373-06 (B-5 0-2)      |        |                 |           |             |                |      |             |      |     |           |      |
| Prepared: 01/09/2023 Analyzed: 01/12/2023 |        |                 |           |             |                |      |             |      |     |           |      |
| Aroclor 1016                              | 0.182  | 0.0176          | mg/kg dry | 0.352       | ND             | 51.8 | 40-140      |      |     |           |      |
| Aroclor 1260                              | 0.259  | 0.0176          | "         | 0.352       | ND             | 73.6 | 40-140      |      |     |           |      |
| Surrogate: Tetrachloro-m-xylene           | 0.0596 |                 | "         | 0.0705      |                | 84.5 | 30-140      |      |     |           |      |
| Surrogate: Decachlorobiphenyl             | 0.0557 |                 | "         | 0.0705      |                | 79.0 | 30-140      |      |     |           |      |
| <b>Matrix Spike Dup (BA30314-MSD2)</b>    |        |                 |           |             |                |      |             |      |     |           |      |
| *Source sample: 23A0373-06 (B-5 0-2)      |        |                 |           |             |                |      |             |      |     |           |      |
| Prepared: 01/09/2023 Analyzed: 01/12/2023 |        |                 |           |             |                |      |             |      |     |           |      |
| Aroclor 1016                              | 0.174  | 0.0176          | mg/kg dry | 0.352       | ND             | 49.2 | 40-140      | 4.99 | 50  |           |      |
| Aroclor 1260                              | 0.253  | 0.0176          | "         | 0.352       | ND             | 71.9 | 40-140      | 2.36 | 50  |           |      |
| Surrogate: Tetrachloro-m-xylene           | 0.0617 |                 | "         | 0.0705      |                | 87.5 | 30-140      |      |     |           |      |
| Surrogate: Decachlorobiphenyl             | 0.0522 |                 | "         | 0.0705      |                | 74.0 | 30-140      |      |     |           |      |



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

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source*<br>Result | %REC | %REC<br>Limits | Flag | RPD | RPD<br>Limit | Flag |
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|

Batch BA30569 - EPA 3050B

Blank (BA30569-BLK1)

Prepared: 01/12/2023 Analyzed: 01/13/2023

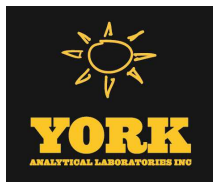
|           |      |       |           |
|-----------|------|-------|-----------|
| Aluminum  | ND   | 4.17  | mg/kg wet |
| Antimony  | ND   | 2.08  | "         |
| Arsenic   | ND   | 1.25  | "         |
| Barium    | ND   | 2.08  | "         |
| Beryllium | ND   | 0.042 | "         |
| Cadmium   | ND   | 0.250 | "         |
| Calcium   | ND   | 4.17  | "         |
| Chromium  | ND   | 0.417 | "         |
| Cobalt    | ND   | 0.333 | "         |
| Copper    | ND   | 1.67  | "         |
| Iron      | ND   | 20.8  | "         |
| Lead      | ND   | 0.417 | "         |
| Magnesium | ND   | 4.17  | "         |
| Manganese | ND   | 0.417 | "         |
| Nickel    | ND   | 0.830 | "         |
| Potassium | 4.37 | 4.17  | "         |
| Selenium  | ND   | 2.08  | "         |
| Silver    | ND   | 0.420 | "         |
| Sodium    | ND   | 41.7  | "         |
| Thallium  | ND   | 2.08  | "         |
| Vanadium  | ND   | 0.830 | "         |
| Zinc      | ND   | 2.08  | "         |

Duplicate (BA30569-DUP1)

\*Source sample: 23A0372-02 (Duplicate)

Prepared: 01/12/2023 Analyzed: 01/13/2023

|           |       |       |           |       |       |    |
|-----------|-------|-------|-----------|-------|-------|----|
| Aluminum  | 11500 | 4.46  | mg/kg dry | 11900 | 3.37  | 35 |
| Antimony  | ND    | 2.23  | "         | ND    |       | 35 |
| Arsenic   | ND    | 1.34  | "         | ND    |       | 35 |
| Barium    | 98.3  | 2.22  | "         | 104   | 5.83  | 35 |
| Beryllium | 1.60  | 0.045 | "         | 1.59  | 0.615 | 35 |
| Cadmium   | 0.416 | 0.267 | "         | 0.430 | 3.43  | 35 |
| Calcium   | 54000 | 4.46  | "         | 63700 | 16.5  | 35 |
| Chromium  | 22.2  | 0.446 | "         | 23.5  | 5.92  | 35 |
| Cobalt    | 13.1  | 0.356 | "         | 13.0  | 0.545 | 35 |
| Copper    | 24.9  | 1.78  | "         | 25.4  | 2.17  | 35 |
| Iron      | 20900 | 22.3  | "         | 20000 | 4.14  | 35 |
| Lead      | 5.84  | 0.446 | "         | 6.60  | 12.3  | 35 |
| Magnesium | 15200 | 4.46  | "         | 20800 | 31.1  | 35 |
| Manganese | 197   | 0.446 | "         | 233   | 16.9  | 35 |
| Nickel    | 20.3  | 0.888 | "         | 21.8  | 7.44  | 35 |
| Potassium | 6350  | 4.46  | "         | 6420  | 1.07  | 35 |
| Selenium  | ND    | 2.23  | "         | ND    |       | 35 |
| Silver    | ND    | 0.449 | "         | ND    |       | 35 |
| Sodium    | 305   | 44.6  | "         | 272   | 11.6  | 35 |
| Thallium  | ND    | 2.23  | "         | ND    |       | 35 |
| Vanadium  | 42.7  | 0.888 | "         | 35.6  | 18.1  | 35 |
| Zinc      | 47.9  | 2.22  | "         | 49.8  | 3.98  | 35 |



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

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

**Batch BA30569 - EPA 3050B**

|                                   |       |                                           |           |      |       |      |        |                                           |  |  |  |
|-----------------------------------|-------|-------------------------------------------|-----------|------|-------|------|--------|-------------------------------------------|--|--|--|
| <b>Matrix Spike (BA30569-MS1)</b> |       | *Source sample: 23A0372-02 (Matrix Spike) |           |      |       |      |        | Prepared: 01/12/2023 Analyzed: 01/13/2023 |  |  |  |
| Aluminum                          | 11700 | 4.46                                      | mg/kg dry | 178  | 11900 | NR   | 75-125 | Low Bias                                  |  |  |  |
| Antimony                          | ND    | 2.23                                      | "         | 22.3 | ND    |      | 75-125 | Low Bias                                  |  |  |  |
| Arsenic                           | 156   | 1.34                                      | "         | 178  | ND    | 87.5 | 75-125 |                                           |  |  |  |
| Barium                            | 250   | 2.22                                      | "         | 178  | 104   | 81.6 | 75-125 |                                           |  |  |  |
| Beryllium                         | 5.39  | 0.045                                     | "         | 4.46 | 1.59  | 85.3 | 75-125 |                                           |  |  |  |
| Cadmium                           | 3.98  | 0.267                                     | "         | 4.46 | 0.430 | 79.5 | 75-125 |                                           |  |  |  |
| Calcium                           | 55500 | 4.46                                      | "         | 89.1 | 63700 | NR   | 75-125 | Low Bias                                  |  |  |  |
| Chromium                          | 38.1  | 0.446                                     | "         | 17.8 | 23.5  | 81.8 | 75-125 |                                           |  |  |  |
| Cobalt                            | 50.9  | 0.356                                     | "         | 44.6 | 13.0  | 85.0 | 75-125 |                                           |  |  |  |
| Copper                            | 55.7  | 1.78                                      | "         | 22.3 | 25.4  | 136  | 75-125 | High Bias                                 |  |  |  |
| Iron                              | 20000 | 22.3                                      | "         | 89.1 | 20000 | NR   | 75-125 | Low Bias                                  |  |  |  |
| Lead                              | 42.0  | 0.446                                     | "         | 44.6 | 6.60  | 79.4 | 75-125 |                                           |  |  |  |
| Magnesium                         | 12000 | 4.46                                      | "         | 89.1 | 20800 | NR   | 75-125 | Low Bias                                  |  |  |  |
| Manganese                         | 237   | 0.446                                     | "         | 44.6 | 233   | 9.00 | 75-125 | Low Bias                                  |  |  |  |
| Nickel                            | 61.7  | 0.888                                     | "         | 44.6 | 21.8  | 89.4 | 75-125 |                                           |  |  |  |
| Potassium                         | 6110  | 4.46                                      | "         | 89.1 | 6420  | NR   | 75-125 | Low Bias                                  |  |  |  |
| Selenium                          | 110   | 2.23                                      | "         | 178  | ND    | 62.0 | 75-125 | Low Bias                                  |  |  |  |
| Silver                            | ND    | 0.449                                     | "         | 4.46 | ND    |      | 75-125 | Low Bias                                  |  |  |  |
| Sodium                            | 370   | 44.6                                      | "         | 89.1 | 272   | 110  | 75-125 |                                           |  |  |  |
| Thallium                          | 135   | 2.23                                      | "         | 178  | ND    | 75.5 | 75-125 |                                           |  |  |  |
| Vanadium                          | 74.1  | 0.888                                     | "         | 44.6 | 35.6  | 86.4 | 75-125 |                                           |  |  |  |
| Zinc                              | 83.8  | 2.22                                      | "         | 44.6 | 49.8  | 76.1 | 75-125 |                                           |  |  |  |

|                                 |        |                                         |       |        |        |      |        |                                           |  |  |  |
|---------------------------------|--------|-----------------------------------------|-------|--------|--------|------|--------|-------------------------------------------|--|--|--|
| <b>Post Spike (BA30569-PS1)</b> |        | *Source sample: 23A0372-02 (Post Spike) |       |        |        |      |        | Prepared: 01/12/2023 Analyzed: 01/13/2023 |  |  |  |
| Aluminum                        | 128    |                                         | ug/mL | 2.00   | 133    | NR   | 75-125 | Low Bias                                  |  |  |  |
| Antimony                        | 0.158  |                                         | "     | 0.250  | -0.092 | 63.1 | 75-125 | Low Bias                                  |  |  |  |
| Arsenic                         | 1.94   |                                         | "     | 2.00   | 0.010  | 96.7 | 75-125 |                                           |  |  |  |
| Barium                          | 2.98   |                                         | "     | 2.00   | 1.17   | 90.5 | 75-125 |                                           |  |  |  |
| Beryllium                       | 0.063  |                                         | "     | 0.0500 | 0.018  | 90.0 | 75-125 |                                           |  |  |  |
| Cadmium                         | 0.049  |                                         | "     | 0.0500 | 0.005  | 87.7 | 75-125 |                                           |  |  |  |
| Calcium                         | 686    |                                         | "     | 1.00   | 715    | NR   | 75-125 | Low Bias                                  |  |  |  |
| Chromium                        | 0.431  |                                         | "     | 0.200  | 0.264  | 83.7 | 75-125 |                                           |  |  |  |
| Cobalt                          | 0.606  |                                         | "     | 0.500  | 0.146  | 91.9 | 75-125 |                                           |  |  |  |
| Copper                          | 0.526  |                                         | "     | 0.250  | 0.285  | 96.5 | 75-125 |                                           |  |  |  |
| Iron                            | 213    |                                         | "     | 1.00   | 224    | NR   | 75-125 | Low Bias                                  |  |  |  |
| Lead                            | 0.512  |                                         | "     | 0.500  | 0.074  | 87.7 | 75-125 |                                           |  |  |  |
| Magnesium                       | 222    |                                         | "     | 1.00   | 233    | NR   | 75-125 | Low Bias                                  |  |  |  |
| Manganese                       | 2.95   |                                         | "     | 0.500  | 2.61   | 66.7 | 75-125 | Low Bias                                  |  |  |  |
| Nickel                          | 0.744  |                                         | "     | 0.500  | 0.245  | 99.7 | 75-125 |                                           |  |  |  |
| Potassium                       | 71.4   |                                         | "     | 1.00   | 72.0   | NR   | 75-125 | Low Bias                                  |  |  |  |
| Selenium                        | 1.52   |                                         | "     | 2.00   | -0.160 | 76.2 | 75-125 |                                           |  |  |  |
| Silver                          | -0.144 |                                         | "     | 0.0500 | -0.202 |      | 75-125 | Low Bias                                  |  |  |  |
| Sodium                          | 3.93   |                                         | "     | 1.00   | 3.05   | 87.9 | 75-125 |                                           |  |  |  |
| Thallium                        | 1.68   |                                         | "     | 2.00   | -0.033 | 84.0 | 75-125 |                                           |  |  |  |
| Vanadium                        | 0.851  |                                         | "     | 0.500  | 0.400  | 90.2 | 75-125 |                                           |  |  |  |
| Zinc                            | 0.980  |                                         | "     | 0.500  | 0.559  | 84.1 | 75-125 |                                           |  |  |  |





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

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source*<br>Result | %REC<br>Limits | Flag | RPD | RPD<br>Limit | Flag |
|---------|--------|--------------------|-------|----------------|-------------------|----------------|------|-----|--------------|------|
|---------|--------|--------------------|-------|----------------|-------------------|----------------|------|-----|--------------|------|

**Batch BA30569 - EPA 3050B**

**Reference (BA30569-SRM1)**

Prepared: 01/12/2023 Analyzed: 01/13/2023

|           |       |       |           |       |  |      |            |          |  |  |
|-----------|-------|-------|-----------|-------|--|------|------------|----------|--|--|
| Aluminum  | 7050  | 4.17  | mg/kg wet | 7970  |  | 88.5 | 49.7-150.6 |          |  |  |
| Antimony  | 67.7  | 2.08  | "         | 136   |  | 49.8 | 20.4-249.3 |          |  |  |
| Arsenic   | 86.7  | 1.25  | "         | 87.4  |  | 99.2 | 70-130.4   |          |  |  |
| Barium    | 341   | 2.08  | "         | 347   |  | 98.2 | 75.2-130.3 |          |  |  |
| Beryllium | 98.3  | 0.042 | "         | 103   |  | 95.4 | 74.8-132   |          |  |  |
| Cadmium   | 151   | 0.250 | "         | 160   |  | 94.1 | 75-145.6   |          |  |  |
| Calcium   | 4000  | 4.17  | "         | 4100  |  | 97.5 | 71.7-139.3 |          |  |  |
| Chromium  | 220   | 0.417 | "         | 231   |  | 95.2 | 70.1-134.2 |          |  |  |
| Cobalt    | 235   | 0.333 | "         | 241   |  | 97.4 | 75.1-141.5 |          |  |  |
| Copper    | 143   | 1.67  | "         | 144   |  | 99.5 | 75-126.4   |          |  |  |
| Iron      | 12500 | 20.8  | "         | 14200 |  | 88.2 | 35.3-164.8 |          |  |  |
| Lead      | 249   | 0.417 | "         | 266   |  | 93.6 | 74.1-125.9 |          |  |  |
| Magnesium | 2110  | 4.17  | "         | 2220  |  | 95.0 | 61.3-138.7 |          |  |  |
| Manganese | 531   | 0.417 | "         | 555   |  | 95.6 | 77.3-132.8 |          |  |  |
| Nickel    | 352   | 0.830 | "         | 350   |  | 100  | 70-144     |          |  |  |
| Potassium | 1920  | 4.17  | "         | 1940  |  | 98.9 | 58.2-141.8 |          |  |  |
| Selenium  | 82.7  | 2.08  | "         | 130   |  | 63.6 | 66.9-133.8 | Low Bias |  |  |
| Silver    | 54.3  | 0.420 | "         | 57.1  |  | 95.0 | 70.2-129.8 |          |  |  |
| Sodium    | 134   | 41.7  | "         | 117   |  | 114  | 30.5-170.1 |          |  |  |
| Thallium  | 68.5  | 2.08  | "         | 75.4  |  | 90.8 | 64.3-135.3 |          |  |  |
| Vanadium  | 78.7  | 0.830 | "         | 88.6  |  | 88.8 | 65.6-134.3 |          |  |  |
| Zinc      | 144   | 2.08  | "         | 160   |  | 90.1 | 70-130     |          |  |  |



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

### York Analytical Laboratories, Inc. - Stratford

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source*<br>Result | %REC | %REC<br>Limits | Flag | RPD | RPD<br>Limit | Flag |
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|

#### Batch BA30390 - EPA 7473 soil

##### Blank (BA30390-BLK1)

Prepared & Analyzed: 01/10/2023

Mercury ND 0.0300 mg/kg wet

##### Duplicate (BA30390-DUP1) \*Source sample: 23A0372-02 (Duplicate)

Prepared & Analyzed: 01/10/2023

Mercury ND 0.0321 mg/kg dry ND 35

##### Matrix Spike (BA30390-MS1) \*Source sample: 23A0372-02 (Matrix Spike)

Prepared & Analyzed: 01/10/2023

Mercury 0.475 mg/kg 0.500 0.00520 93.9 75-125

##### Reference (BA30390-SRM1)

Prepared & Analyzed: 01/10/2023

Mercury 20.888 mg/kg 27.2 76.8 59.9-140.1

#### Batch BA30391 - EPA 7473 soil

##### Blank (BA30391-BLK1)

Prepared & Analyzed: 01/10/2023

Mercury ND 0.0300 mg/kg wet

##### Duplicate (BA30391-DUP1) \*Source sample: 23A0373-07 (B-5 2-4)

Prepared & Analyzed: 01/10/2023

Mercury ND 0.0307 mg/kg dry ND 35

##### Matrix Spike (BA30391-MS1) \*Source sample: 23A0373-07 (B-5 2-4)

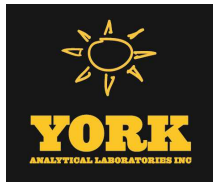
Prepared & Analyzed: 01/10/2023

Mercury 0.479 mg/kg 0.500 0.0102 93.8 75-125

##### Reference (BA30391-SRM1)

Prepared & Analyzed: 01/10/2023

Mercury 23.248 mg/kg 27.2 85.5 59.9-140.1



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source*<br>Result | %REC<br>Limits | Flag | RPD<br>Limit | Flag |
|---------|--------|--------------------|-------|----------------|-------------------|----------------|------|--------------|------|
|---------|--------|--------------------|-------|----------------|-------------------|----------------|------|--------------|------|

Batch BA30413 - % Solids Prep

|                          |      |                                        |   |  |      |  |                                 |       |    |  |  |
|--------------------------|------|----------------------------------------|---|--|------|--|---------------------------------|-------|----|--|--|
| Duplicate (BA30413-DUP1) |      | *Source sample: 23A0372-02 (Duplicate) |   |  |      |  | Prepared & Analyzed: 01/10/2023 |       |    |  |  |
| % Solids                 | 93.8 | 0.100                                  | % |  | 93.5 |  |                                 | 0.305 | 20 |  |  |



### Volatile Analysis Sample Containers

| Lab ID     | Client Sample ID | Volatile Sample Container         |
|------------|------------------|-----------------------------------|
| 23A0373-01 | B-6 0-2          | 40mL Vial with Stir Bar-Cool 4° C |
| 23A0373-02 | B-6 2-4          | 40mL Vial with Stir Bar-Cool 4° C |
| 23A0373-03 | B-4 0-2          | 40mL Vial with Stir Bar-Cool 4° C |
| 23A0373-04 | B-4 2-4          | 40mL Vial with Stir Bar-Cool 4° C |
| 23A0373-05 | B-3 0-2          | 40mL Vial with Stir Bar-Cool 4° C |
| 23A0373-06 | B-5 0-2          | 40mL Vial with Stir Bar-Cool 4° C |
| 23A0373-07 | B-5 2-4          | 40mL Vial with Stir Bar-Cool 4° C |
| 23A0373-08 | B-2W 0-2         | 40mL Vial with Stir Bar-Cool 4° C |
| 23A0373-09 | B-2W 2-4         | 40mL Vial with Stir Bar-Cool 4° C |



### Sample and Data Qualifiers Relating to This Work Order

|        |                                                                                                                                                                                                                             |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| S-09   | The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect confirmed by re-extraction and re-analysis of the sample.                                                     |
| QM-05  | The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable. |
| QL-02  | This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.                          |
| M-SPKM | The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.                                                                                                                  |
| M-PS   | This Element exhibited recovery outside control limits for the Post Spike.                                                                                                                                                  |
| M-BLK  | The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.                                                         |
| 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.                                                     |
| CCVE   | The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).                                    |
| CAL-E  | The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%)                                                                                                     |
| B      | Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.                                                                                         |

### Definitions and Other Explanations

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



Non-Dir. Non-dir. flag (Non-Directional Bias ) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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



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www.yorklab.com



# Field Chain-of-Custody Record

YORK Project No.  
**23A0373**

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.

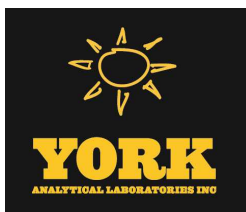
Page **1** of **2**

| YOUR Information                                                                                                                                                                          |                                        | Report To:          |                        | Invoice To:                          |                       | YOUR Project Number                                   |  | Turn-Around Time                                          |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|---------------------|------------------------|--------------------------------------|-----------------------|-------------------------------------------------------|--|-----------------------------------------------------------|--|
| Company:                                                                                                                                                                                  | GBTS                                   | Company:            | SAVE                   | Company:                             | SAVE                  | 21003-0004                                            |  | RUSH - Next Day                                           |  |
| Address:                                                                                                                                                                                  | 22 IBERD, Suite 101<br>POUGHKEEPSIE NY | Address:            | ↓                      | Address:                             | ↓                     | YOUR Project Name                                     |  | RUSH - Two Day                                            |  |
| Phone:                                                                                                                                                                                    | (845) 452-1658                         | Phone:              | ↓                      | Phone:                               | ↓                     | 21003-0004                                            |  | RUSH - Three Day                                          |  |
| Contact:                                                                                                                                                                                  | RICHARD HOOPER                         | Contact:            | ERICH SACAZAK          | Contact:                             | BRENDA WIGGS          |                                                       |  | RUSH - Four Day                                           |  |
| E-mail:                                                                                                                                                                                   | RICHARD.HOOPER@GBTS.COM                | E-mail:             | ERICH.SACAZAK@GBTS.COM | E-mail:                              | BRENDA.WIGGS@GBTS.COM |                                                       |  | 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. |                                        | Matrix Codes        |                        | Samples From                         |                       | Report / EDD Type (circle selections)                 |  | YORK Reg. Comp.                                           |  |
| AMTA 1. LITWIN-LVI<br><br>Samples Collected by: (print your name above and sign below)<br><br><i>[Signature]</i>                                                                          |                                        | S - soil / solid    |                        | New York                             |                       | <input checked="" type="checkbox"/> Summary Report    |  | Compared to the following Regulation(s): (please fill in) |  |
|                                                                                                                                                                                           |                                        | GW - groundwater    |                        | New Jersey                           |                       | QA Report                                             |  | Standard Excel EDD                                        |  |
|                                                                                                                                                                                           |                                        | DW - drinking water |                        | Connecticut                          |                       | NY ASP A Package                                      |  | EQUIS (Standard)                                          |  |
|                                                                                                                                                                                           |                                        | WW - wastewater     |                        | Pennsylvania                         |                       | NY ASP B Package                                      |  | NYSDEC EQUIS                                              |  |
|                                                                                                                                                                                           |                                        | O - Oil ; Other     |                        | Other                                |                       |                                                       |  | NJDEP SRP HazSite                                         |  |
| Sample Identification                                                                                                                                                                     |                                        | Sample Matrix       |                        | Date/Time Sampled                    |                       | Analysis Requested                                    |  | Container Description                                     |  |
| B-6 0-2                                                                                                                                                                                   |                                        | S                   |                        | 11/6/23 0943                         |                       | VOCs (METHOD 8260), SVOCs (METHOD 8270), PESTICIDES   |  | 1x 8oz jar + 1 VOC bag                                    |  |
| B-6 2-4                                                                                                                                                                                   |                                        | S                   |                        | ↓ 0951                               |                       | PCBs, TAL METALS                                      |  | ↓                                                         |  |
| B-4 0-2                                                                                                                                                                                   |                                        | S                   |                        | 11/6/23 1153                         |                       |                                                       |  | 1x 8oz jar + 1 VOC bag                                    |  |
| B-4 2-4                                                                                                                                                                                   |                                        | S                   |                        | ↓ 1207                               |                       |                                                       |  | ↓                                                         |  |
| B-3 0-2                                                                                                                                                                                   |                                        | S                   |                        | 11/6/23 1310                         |                       |                                                       |  | 1x 8oz jar + 1 VOC bag                                    |  |
| B-5 0-2                                                                                                                                                                                   |                                        | S                   |                        | 11/6/23 1315                         |                       |                                                       |  | 1x 8oz jar + 1 VOC bag                                    |  |
| B-5 2-4                                                                                                                                                                                   |                                        | S                   |                        | ↓ 1320                               |                       |                                                       |  | ↓                                                         |  |
| Comments: KEPTON ICE VOA's Retained in Queens                                                                                                                                             |                                        | 11.2                |                        | Preservation: (check all that apply) |                       | HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___ |  | Special Instruction                                       |  |
|                                                                                                                                                                                           |                                        |                     |                        | Ascorbic Acid ___ Other: ___         |                       |                                                       |  | Field Filtered ___ Lab to Filter ___                      |  |
| Samples Relinquished by / Company                                                                                                                                                         |                                        | Date/Time           |                        | Samples Received by / Company        |                       | Date/Time                                             |  | Date/Time                                                 |  |
| LITWIN-LVI GBTS                                                                                                                                                                           |                                        | 11/6/23 1529        |                        | K. Litwin                            |                       | 11.2                                                  |  | 11/6/23 1746                                              |  |
| Received by / Company                                                                                                                                                                     |                                        | Date/Time           |                        | Samples Relinquished by / Company    |                       | Date/Time                                             |  | Date/Time                                                 |  |
| Victor D. York                                                                                                                                                                            |                                        | 11/6/23 1746        |                        | Victor D. York                       |                       | 11/6/23 2015                                          |  | 11/6/23 2015                                              |  |
| Relinquished by / Company                                                                                                                                                                 |                                        | Date/Time           |                        | Samples Received in LAB by           |                       | Date/Time                                             |  | Temp. Received at Lab                                     |  |
|                                                                                                                                                                                           |                                        |                     |                        | 11/6/23 2015                         |                       | 11/6/23 2015                                          |  | 3.0                                                       |  |









# Technical Report

prepared for:

**Gallagher Bassett - Poughkeepsie, NY**

22 IBM Road, Suite 101  
Poughkeepsie NY, 12601  
**Attention: Erick Salazar**

Report Date: 01/17/2023

**Client Project ID: 21003-0004**

York Project (SDG) No.: 23A0404

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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(203) 325-1371



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

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

Report Date: 01/17/2023  
Client Project ID: 21003-0004  
York Project (SDG) No.: 23A0404

**Gallagher Bassett - Poughkeepsie, NY**  
22 IBM Road, Suite 101  
Poughkeepsie NY, 12601  
Attention: Erick Salazar

## 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 January 09, 2023 and listed below. The project was identified as your project: **21003-0004**.

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

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

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

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

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

| <u>York Sample ID</u> | <u>Client Sample ID</u> | <u>Matrix</u> | <u>Date Collected</u> | <u>Date Received</u> |
|-----------------------|-------------------------|---------------|-----------------------|----------------------|
| 23A0404-01            | B-3 11-13               | Soil          | 01/09/2023            | 01/09/2023           |

## General Notes for York Project (SDG) No.: 23A0404

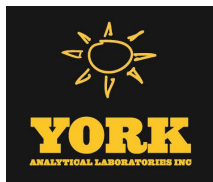
1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.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

Approved By: 

Cassie L. Mosher  
Laboratory Manager

Date: 01/17/2023





## Sample Information

**Client Sample ID:** B-3 11-13

**York Sample ID:** 23A0404-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0404

21003-0004

Soil

January 9, 2023 10:00 am

01/09/2023

### Volatile Organics, 8260 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.  | Parameter                                            | Result        | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                                 | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|------------------------------------------------------|---------------|------|-----------|------------------------|--------|----------|----------------------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 630-20-6 | 1,1,1,2-Tetrachloroethane                            | ND            |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 22:00      | JTG     |
| 71-55-6  | <b>1,1,1-Trichloroethane</b>                         | <b>0.0024</b> | J    | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA  | 01/10/2023 06:29      | 01/10/2023 22:00      | JTG     |
| 79-34-5  | 1,1,2,2-Tetrachloroethane                            | ND            | CCVE | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 22:00      | JTG     |
| 76-13-1  | 1,1,2-Trichloro-1,2,2-trifluoroethane<br>(Freon 113) | ND            |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP     | 01/10/2023 06:29      | 01/10/2023 22:00      | JTG     |
| 79-00-5  | 1,1,2-Trichloroethane                                | ND            |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 22:00      | JTG     |
| 75-34-3  | 1,1-Dichloroethane                                   | ND            |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 22:00      | JTG     |
| 75-35-4  | 1,1-Dichloroethylene                                 | ND            |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 22:00      | JTG     |
| 87-61-6  | 1,2,3-Trichlorobenzene                               | ND            |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/10/2023 06:29      | 01/10/2023 22:00      | JTG     |
| 96-18-4  | 1,2,3-Trichloropropane                               | ND            |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP                   | 01/10/2023 06:29      | 01/10/2023 22:00      | JTG     |
| 120-82-1 | 1,2,4-Trichlorobenzene                               | ND            |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/10/2023 06:29      | 01/10/2023 22:00      | JTG     |
| 95-63-6  | 1,2,4-Trimethylbenzene                               | ND            |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 22:00      | JTG     |
| 96-12-8  | 1,2-Dibromo-3-chloropropane                          | ND            |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 22:00      | JTG     |
| 106-93-4 | 1,2-Dibromoethane                                    | ND            |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 22:00      | JTG     |
| 95-50-1  | 1,2-Dichlorobenzene                                  | ND            |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 22:00      | JTG     |
| 107-06-2 | 1,2-Dichloroethane                                   | ND            |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 22:00      | JTG     |
| 78-87-5  | 1,2-Dichloropropane                                  | ND            |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 22:00      | JTG     |
| 108-67-8 | 1,3,5-Trimethylbenzene                               | ND            |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 22:00      | JTG     |
| 541-73-1 | 1,3-Dichlorobenzene                                  | ND            |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 22:00      | JTG     |
| 106-46-7 | 1,4-Dichlorobenzene                                  | ND            |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 22:00      | JTG     |
| 123-91-1 | 1,4-Dioxane                                          | ND            |      | mg/kg dry | 0.048                  | 0.096  | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/10/2023 06:29      | 01/10/2023 22:00      | JTG     |
| 78-93-3  | 2-Butanone                                           | ND            | CCVE | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 22:00      | JTG     |
| 591-78-6 | 2-Hexanone                                           | ND            |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 22:00      | JTG     |



## Sample Information

**Client Sample ID:** B-3 11-13

**York Sample ID:** 23A0404-01

York Project (SDG) No.  
23A0404

Client Project ID  
21003-0004

Matrix  
Soil

Collection Date/Time  
January 9, 2023 10:00 am

Date Received  
01/09/2023

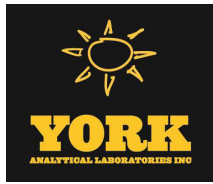
### Volatile Organics, 8260 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.    | Parameter                 | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                                 | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|---------------------------|--------|------|-----------|------------------------|--------|----------|----------------------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 108-10-1   | 4-Methyl-2-pentanone      | ND     |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 22:00      | JTG     |
| 67-64-1    | Acetone                   | 0.018  | CCVE | mg/kg dry | 0.0048                 | 0.0096 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 22:00      | JTG     |
| 107-02-8   | Acrolein                  | ND     |      | mg/kg dry | 0.0048                 | 0.0096 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 22:00      | JTG     |
| 107-13-1   | Acrylonitrile             | ND     |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 22:00      | JTG     |
| 71-43-2    | Benzene                   | ND     |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 22:00      | JTG     |
| 74-97-5    | Bromochloromethane        | ND     |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/10/2023 06:29      | 01/10/2023 22:00      | JTG     |
| 75-27-4    | Bromodichloromethane      | ND     |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 22:00      | JTG     |
| 75-25-2    | Bromoform                 | ND     |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 22:00      | JTG     |
| 74-83-9    | Bromomethane              | ND     |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 22:00      | JTG     |
| 75-15-0    | Carbon disulfide          | ND     |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 22:00      | JTG     |
| 56-23-5    | Carbon tetrachloride      | ND     |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 22:00      | JTG     |
| 108-90-7   | Chlorobenzene             | ND     |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 22:00      | JTG     |
| 75-00-3    | Chloroethane              | ND     |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 22:00      | JTG     |
| 67-66-3    | Chloroform                | ND     |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 22:00      | JTG     |
| 74-87-3    | Chloromethane             | ND     | CCVE | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 22:00      | JTG     |
| 156-59-2   | cis-1,2-Dichloroethylene  | ND     |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 22:00      | JTG     |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND     |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 22:00      | JTG     |
| 110-82-7   | Cyclohexane               | ND     |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/10/2023 06:29      | 01/10/2023 22:00      | JTG     |
| 124-48-1   | Dibromochloromethane      | ND     |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/10/2023 06:29      | 01/10/2023 22:00      | JTG     |
| 74-95-3    | Dibromomethane            | ND     |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/10/2023 06:29      | 01/10/2023 22:00      | JTG     |
| 75-71-8    | Dichlorodifluoromethane   | ND     | CCVE | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/10/2023 06:29      | 01/10/2023 22:00      | JTG     |
| 100-41-4   | Ethyl Benzene             | ND     |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 06:29      | 01/10/2023 22:00      | JTG     |
| 87-68-3    | Hexachlorobutadiene       | ND     |      | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/10/2023 06:29      | 01/10/2023 22:00      | JTG     |



## Sample Information

**Client Sample ID:** B-3 11-13

**York Sample ID:** 23A0404-01

York Project (SDG) No.

23A0404

Client Project ID

21003-0004

Matrix

Soil

Collection Date/Time

January 9, 2023 10:00 am

Date Received

01/09/2023

### Volatile Organics, 8260 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.              | Parameter                                 | Result | Flag             | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method             | Date/Time<br>Prepared                                                   | Date/Time<br>Analyzed | Analyst |
|----------------------|-------------------------------------------|--------|------------------|-----------|------------------------|--------|----------|------------------------------|-------------------------------------------------------------------------|-----------------------|---------|
| 98-82-8              | Isopropylbenzene                          | ND     |                  | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 22:00      | JTG     |
| 79-20-9              | Methyl acetate                            | ND     |                  | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/10/2023 22:00      | JTG     |
| 1634-04-4            | Methyl tert-butyl ether (MTBE)            | ND     |                  | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 22:00      | JTG     |
| 108-87-2             | Methylcyclohexane                         | ND     |                  | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/10/2023 22:00      | JTG     |
| 75-09-2              | Methylene chloride                        | ND     |                  | mg/kg dry | 0.0048                 | 0.0096 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 22:00      | JTG     |
| 104-51-8             | n-Butylbenzene                            | ND     |                  | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 22:00      | JTG     |
| 103-65-1             | n-Propylbenzene                           | ND     |                  | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 22:00      | JTG     |
| 95-47-6              | o-Xylene                                  | ND     |                  | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 22:00      | JTG     |
| 179601-23-1          | p- & m- Xylenes                           | ND     |                  | mg/kg dry | 0.0048                 | 0.0096 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 22:00      | JTG     |
| 99-87-6              | p-Isopropyltoluene                        | ND     |                  | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 22:00      | JTG     |
| 135-98-8             | sec-Butylbenzene                          | ND     |                  | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 22:00      | JTG     |
| 100-42-5             | Styrene                                   | ND     |                  | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 22:00      | JTG     |
| 75-65-0              | tert-Butyl alcohol (TBA)                  | ND     |                  | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/10/2023 22:00      | JTG     |
| 98-06-6              | tert-Butylbenzene                         | ND     |                  | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 22:00      | JTG     |
| 127-18-4             | Tetrachloroethylene                       | ND     |                  | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 22:00      | JTG     |
| 108-88-3             | Toluene                                   | ND     |                  | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 22:00      | JTG     |
| 156-60-5             | trans-1,2-Dichloroethylene                | ND     |                  | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 22:00      | JTG     |
| 10061-02-6           | trans-1,3-Dichloropropylene               | ND     |                  | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 22:00      | JTG     |
| 79-01-6              | Trichloroethylene                         | ND     |                  | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 22:00      | JTG     |
| 75-69-4              | Trichlorofluoromethane                    | ND     |                  | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 22:00      | JTG     |
| 75-01-4              | Vinyl Chloride                            | ND     |                  | mg/kg dry | 0.0024                 | 0.0048 | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/10/2023 22:00      | JTG     |
| 1330-20-7            | Xylenes, Total                            | ND     |                  | mg/kg dry | 0.0072                 | 0.014  | 1        | EPA 8260C<br>Certifications: | 01/10/2023 06:29<br>CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP     | 01/10/2023 22:00      | JTG     |
| Surrogate Recoveries |                                           | Result | Acceptance Range |           |                        |        |          |                              |                                                                         |                       |         |
| 17060-07-0           | Surrogate: SURR:<br>1,2-Dichloroethane-d4 | 115 %  | 77-125           |           |                        |        |          |                              |                                                                         |                       |         |



## Sample Information

**Client Sample ID:** B-3 11-13

**York Sample ID:** 23A0404-01

York Project (SDG) No.  
23A0404

Client Project ID  
21003-0004

Matrix  
Soil

Collection Date/Time  
January 9, 2023 10:00 am

Date Received  
01/09/2023

### Volatile Organics, 8260 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.   | Parameter                                | Result | Flag | Units | Reported to<br>LOD/MDL | LOQ | Dilution | Reference Method | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|------------------------------------------|--------|------|-------|------------------------|-----|----------|------------------|-----------------------|-----------------------|---------|
| 2037-26-5 | Surrogate: SURR: Toluene-d8              | 94.8 % |      |       | 85-120                 |     |          |                  |                       |                       |         |
| 460-00-4  | Surrogate: SURR:<br>p-Bromofluorobenzene | 91.9 % |      |       | 76-130                 |     |          |                  |                       |                       |         |

### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.  | Parameter                             | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|---------------------------------------|--------|------|-----------|------------------------|--------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 92-52-4  | 1,1-Biphenyl                          | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/12/2023 08:10      | 01/13/2023 12:48      | KH      |
| 95-94-3  | 1,2,4,5-Tetrachlorobenzene            | ND     |      | mg/kg dry | 0.0878                 | 0.175  | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/12/2023 08:10      | 01/13/2023 12:48      | KH      |
| 120-82-1 | 1,2,4-Trichlorobenzene                | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 08:10      | 01/13/2023 12:48      | KH      |
| 95-50-1  | 1,2-Dichlorobenzene                   | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP                     | 01/12/2023 08:10      | 01/13/2023 12:48      | KH      |
| 122-66-7 | 1,2-Diphenylhydrazine (as Azobenzene) | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/12/2023 08:10      | 01/13/2023 12:48      | KH      |
| 541-73-1 | 1,3-Dichlorobenzene                   | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP                     | 01/12/2023 08:10      | 01/13/2023 12:48      | KH      |
| 106-46-7 | 1,4-Dichlorobenzene                   | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP                     | 01/12/2023 08:10      | 01/13/2023 12:48      | KH      |
| 58-90-2  | 2,3,4,6-Tetrachlorophenol             | ND     |      | mg/kg dry | 0.0878                 | 0.175  | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/12/2023 08:10      | 01/13/2023 12:48      | KH      |
| 95-95-4  | 2,4,5-Trichlorophenol                 | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 08:10      | 01/13/2023 12:48      | KH      |
| 88-06-2  | 2,4,6-Trichlorophenol                 | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 08:10      | 01/13/2023 12:48      | KH      |
| 120-83-2 | 2,4-Dichlorophenol                    | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 08:10      | 01/13/2023 12:48      | KH      |
| 105-67-9 | 2,4-Dimethylphenol                    | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 08:10      | 01/13/2023 12:48      | KH      |
| 51-28-5  | 2,4-Dinitrophenol                     | ND     |      | mg/kg dry | 0.0878                 | 0.175  | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 08:10      | 01/13/2023 12:48      | KH      |
| 121-14-2 | 2,4-Dinitrotoluene                    | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 08:10      | 01/13/2023 12:48      | KH      |
| 606-20-2 | 2,6-Dinitrotoluene                    | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 08:10      | 01/13/2023 12:48      | KH      |
| 91-58-7  | 2-Chloronaphthalene                   | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 08:10      | 01/13/2023 12:48      | KH      |
| 95-57-8  | 2-Chlorophenol                        | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 08:10      | 01/13/2023 12:48      | KH      |
| 91-57-6  | 2-Methylnaphthalene                   | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 08:10      | 01/13/2023 12:48      | KH      |
| 95-48-7  | 2-Methylphenol                        | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 08:10      | 01/13/2023 12:48      | KH      |



## Sample Information

**Client Sample ID:** B-3 11-13

**York Sample ID:** 23A0404-01

York Project (SDG) No.  
23A0404

Client Project ID  
21003-0004

Matrix  
Soil

Collection Date/Time  
January 9, 2023 10:00 am

Date Received  
01/09/2023

### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.    | Parameter                   | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method             | Date/Time<br>Prepared                                       | Date/Time<br>Analyzed | Analyst |
|------------|-----------------------------|--------|------|-----------|------------------------|--------|----------|------------------------------|-------------------------------------------------------------|-----------------------|---------|
| 88-74-4    | 2-Nitroaniline              | ND     |      | mg/kg dry | 0.0878                 | 0.175  | 2        | EPA 8270D<br>Certifications: | 01/12/2023 08:10<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 12:48      | KH      |
| 88-75-5    | 2-Nitrophenol               | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: | 01/12/2023 08:10<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 12:48      | KH      |
| 65794-96-9 | 3- & 4-Methylphenols        | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: | 01/12/2023 08:10<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 12:48      | KH      |
| 91-94-1    | 3,3-Dichlorobenzidine       | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: | 01/12/2023 08:10<br>NELAC-NY10854,NJDEP,PADEP               | 01/13/2023 12:48      | KH      |
| 99-09-2    | 3-Nitroaniline              | ND     |      | mg/kg dry | 0.0878                 | 0.175  | 2        | EPA 8270D<br>Certifications: | 01/12/2023 08:10<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 12:48      | KH      |
| 534-52-1   | 4,6-Dinitro-2-methylphenol  | ND     |      | mg/kg dry | 0.0878                 | 0.175  | 2        | EPA 8270D<br>Certifications: | 01/12/2023 08:10<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 12:48      | KH      |
| 101-55-3   | 4-Bromophenyl phenyl ether  | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: | 01/12/2023 08:10<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 12:48      | KH      |
| 59-50-7    | 4-Chloro-3-methylphenol     | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: | 01/12/2023 08:10<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 12:48      | KH      |
| 106-47-8   | 4-Chloroaniline             | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: | 01/12/2023 08:10<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 12:48      | KH      |
| 7005-72-3  | 4-Chlorophenyl phenyl ether | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: | 01/12/2023 08:10<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 12:48      | KH      |
| 100-01-6   | 4-Nitroaniline              | ND     |      | mg/kg dry | 0.0878                 | 0.175  | 2        | EPA 8270D<br>Certifications: | 01/12/2023 08:10<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 12:48      | KH      |
| 100-02-7   | 4-Nitrophenol               | ND     |      | mg/kg dry | 0.0878                 | 0.175  | 2        | EPA 8270D<br>Certifications: | 01/12/2023 08:10<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 12:48      | KH      |
| 83-32-9    | Acenaphthene                | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: | 01/12/2023 08:10<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 12:48      | KH      |
| 208-96-8   | Acenaphthylene              | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: | 01/12/2023 08:10<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 12:48      | KH      |
| 98-86-2    | Acetophenone                | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: | 01/12/2023 08:10<br>NELAC-NY10854,NJDEP,PADEP               | 01/13/2023 12:48      | KH      |
| 62-53-3    | Aniline                     | ND     |      | mg/kg dry | 0.176                  | 0.352  | 2        | EPA 8270D<br>Certifications: | 01/12/2023 08:10<br>NELAC-NY10854,NJDEP,PADEP               | 01/13/2023 12:48      | KH      |
| 120-12-7   | Anthracene                  | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: | 01/12/2023 08:10<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 12:48      | KH      |
| 1912-24-9  | Atrazine                    | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: | 01/12/2023 08:10<br>NELAC-NY10854,NJDEP,PADEP               | 01/13/2023 12:48      | KH      |
| 100-52-7   | Benzaldehyde                | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: | 01/12/2023 08:10<br>NELAC-NY10854,NJDEP,PADEP               | 01/13/2023 12:48      | KH      |
| 92-87-5    | Benzidine                   | ND     |      | mg/kg dry | 0.176                  | 0.352  | 2        | EPA 8270D<br>Certifications: | 01/12/2023 08:10<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 12:48      | KH      |
| 56-55-3    | Benzo(a)anthracene          | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: | 01/12/2023 08:10<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 12:48      | KH      |
| 50-32-8    | Benzo(a)pyrene              | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: | 01/12/2023 08:10<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 12:48      | KH      |
| 205-99-2   | Benzo(b)fluoranthene        | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: | 01/12/2023 08:10<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 12:48      | KH      |





## Sample Information

**Client Sample ID:** B-3 11-13

**York Sample ID:** 23A0404-01

York Project (SDG) No.  
23A0404

Client Project ID  
21003-0004

Matrix  
Soil

Collection Date/Time  
January 9, 2023 10:00 am

Date Received  
01/09/2023

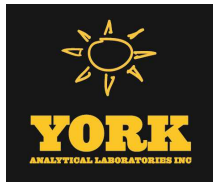
### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.  | Parameter                   | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|-----------------------------|--------|------|-----------|------------------------|--------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 191-24-2 | Benzo(g,h,i)perylene        | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 08:10      | 01/13/2023 12:48      | KH      |
| 207-08-9 | Benzo(k)fluoranthene        | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 08:10      | 01/13/2023 12:48      | KH      |
| 65-85-0  | Benzoic acid                | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/12/2023 08:10      | 01/13/2023 12:48      | KH      |
| 100-51-6 | Benzyl alcohol              | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/12/2023 08:10      | 01/13/2023 12:48      | KH      |
| 85-68-7  | Benzyl butyl phthalate      | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 08:10      | 01/13/2023 12:48      | KH      |
| 111-91-1 | Bis(2-chloroethoxy)methane  | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 08:10      | 01/13/2023 12:48      | KH      |
| 111-44-4 | Bis(2-chloroethyl)ether     | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 08:10      | 01/13/2023 12:48      | KH      |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 08:10      | 01/13/2023 12:48      | KH      |
| 117-81-7 | Bis(2-ethylhexyl)phthalate  | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 08:10      | 01/13/2023 12:48      | KH      |
| 105-60-2 | Caprolactam                 | ND     |      | mg/kg dry | 0.0878                 | 0.175  | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/12/2023 08:10      | 01/13/2023 12:48      | KH      |
| 86-74-8  | Carbazole                   | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 08:10      | 01/13/2023 12:48      | KH      |
| 218-01-9 | Chrysene                    | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 08:10      | 01/13/2023 12:48      | KH      |
| 53-70-3  | Dibenzo(a,h)anthracene      | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 08:10      | 01/13/2023 12:48      | KH      |
| 132-64-9 | Dibenzofuran                | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 08:10      | 01/13/2023 12:48      | KH      |
| 84-66-2  | Diethyl phthalate           | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 08:10      | 01/13/2023 12:48      | KH      |
| 131-11-3 | Dimethyl phthalate          | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 08:10      | 01/13/2023 12:48      | KH      |
| 84-74-2  | Di-n-butyl phthalate        | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 08:10      | 01/13/2023 12:48      | KH      |
| 117-84-0 | Di-n-octyl phthalate        | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 08:10      | 01/13/2023 12:48      | KH      |
| 206-44-0 | Fluoranthene                | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 08:10      | 01/13/2023 12:48      | KH      |
| 86-73-7  | Fluorene                    | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/12/2023 08:10      | 01/13/2023 12:48      | KH      |
| 118-74-1 | Hexachlorobenzene           | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 08:10      | 01/13/2023 12:48      | KH      |
| 87-68-3  | Hexachlorobutadiene         | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 08:10      | 01/13/2023 12:48      | KH      |
| 77-47-4  | Hexachlorocyclopentadiene   | ND     |      | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 08:10      | 01/13/2023 12:48      | KH      |



## Sample Information

**Client Sample ID:** B-3 11-13

**York Sample ID:** 23A0404-01

York Project (SDG) No.

23A0404

Client Project ID

21003-0004

Matrix

Soil

Collection Date/Time

January 9, 2023 10:00 am

Date Received

01/09/2023

### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                             | Result        | Flag                    | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|---------------------------------------|---------------|-------------------------|-----------|------------------------|--------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 67-72-1                     | Hexachloroethane                      | ND            |                         | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 08:10      | 01/13/2023 12:48      | KH      |
| 193-39-5                    | Indeno(1,2,3-cd)pyrene                | ND            |                         | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 08:10      | 01/13/2023 12:48      | KH      |
| 78-59-1                     | Isophorone                            | ND            |                         | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 08:10      | 01/13/2023 12:48      | KH      |
| 91-20-3                     | <b>Naphthalene</b>                    | <b>0.0505</b> | J                       | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 08:10      | 01/13/2023 12:48      | KH      |
| 98-95-3                     | Nitrobenzene                          | ND            |                         | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 08:10      | 01/13/2023 12:48      | KH      |
| 62-75-9                     | N-Nitrosodimethylamine                | ND            |                         | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 08:10      | 01/13/2023 12:48      | KH      |
| 621-64-7                    | N-nitroso-di-n-propylamine            | ND            |                         | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 08:10      | 01/13/2023 12:48      | KH      |
| 86-30-6                     | N-Nitrosodiphenylamine                | ND            |                         | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 08:10      | 01/13/2023 12:48      | KH      |
| 87-86-5                     | Pentachlorophenol                     | ND            |                         | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 08:10      | 01/13/2023 12:48      | KH      |
| 85-01-8                     | <b>Phenanthrene</b>                   | <b>0.0520</b> | J                       | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 08:10      | 01/13/2023 12:48      | KH      |
| 108-95-2                    | Phenol                                | ND            |                         | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 08:10      | 01/13/2023 12:48      | KH      |
| 129-00-0                    | Pyrene                                | ND            |                         | mg/kg dry | 0.0440                 | 0.0878 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/12/2023 08:10      | 01/13/2023 12:48      | KH      |
| <b>Surrogate Recoveries</b> |                                       | <b>Result</b> | <b>Acceptance Range</b> |           |                        |        |          |                                                                      |                       |                       |         |
| 367-12-4                    | Surrogate: SURR: 2-Fluorophenol       | 71.5 %        | 20-108                  |           |                        |        |          |                                                                      |                       |                       |         |
| 4165-62-2                   | Surrogate: SURR: Phenol-d5            | 71.3 %        | 23-114                  |           |                        |        |          |                                                                      |                       |                       |         |
| 4165-60-0                   | Surrogate: SURR: Nitrobenzene-d5      | 79.6 %        | 22-108                  |           |                        |        |          |                                                                      |                       |                       |         |
| 321-60-8                    | Surrogate: SURR: 2-Fluorobiphenyl     | 74.6 %        | 21-113                  |           |                        |        |          |                                                                      |                       |                       |         |
| 118-79-6                    | Surrogate: SURR: 2,4,6-Tribromophenol | 78.3 %        | 19-110                  |           |                        |        |          |                                                                      |                       |                       |         |
| 1718-51-0                   | Surrogate: SURR: Terphenyl-d14        | 78.6 %        | 24-116                  |           |                        |        |          |                                                                      |                       |                       |         |

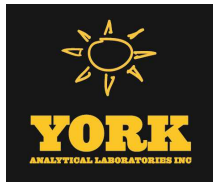
### Pesticides, 8081 target list

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.  | Parameter | Result | Flag | Units     | Reported to<br>LOQ | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|-----------|--------|------|-----------|--------------------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 72-54-8  | 4,4'-DDD  | ND     |      | mg/kg dry | 0.00174            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:22      | 01/14/2023 02:11      | BJ      |
| 72-55-9  | 4,4'-DDE  | ND     |      | mg/kg dry | 0.00174            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:22      | 01/14/2023 02:11      | BJ      |
| 50-29-3  | 4,4'-DDT  | ND     |      | mg/kg dry | 0.00174            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:22      | 01/14/2023 02:11      | BJ      |
| 309-00-2 | Aldrin    | ND     |      | mg/kg dry | 0.00174            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:22      | 01/14/2023 02:11      | BJ      |



## Sample Information

**Client Sample ID:** B-3 11-13

**York Sample ID:** 23A0404-01

York Project (SDG) No.

23A0404

Client Project ID

21003-0004

Matrix

Soil

Collection Date/Time

January 9, 2023 10:00 am

Date Received

01/09/2023

### Pesticides, 8081 target list

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.              | Parameter                       | Result | Flag             | Units     | Reported to<br>LOQ | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------------------|---------------------------------|--------|------------------|-----------|--------------------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 319-84-6             | alpha-BHC                       | ND     |                  | mg/kg dry | 0.00174            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:22      | 01/14/2023 02:11      | BJ      |
| 5103-71-9            | alpha-Chlordane                 | ND     |                  | mg/kg dry | 0.00174            | 5        | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP                     | 01/11/2023 08:22      | 01/14/2023 02:11      | BJ      |
| 319-85-7             | beta-BHC                        | ND     |                  | mg/kg dry | 0.00174            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:22      | 01/14/2023 02:11      | BJ      |
| 12789-03-6           | Chlordane, total                | ND     |                  | mg/kg dry | 0.0348             | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:22      | 01/14/2023 02:11      | BJ      |
| 319-86-8             | delta-BHC                       | ND     |                  | mg/kg dry | 0.00174            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:22      | 01/14/2023 02:11      | BJ      |
| 60-57-1              | Dieldrin                        | ND     |                  | mg/kg dry | 0.00174            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:22      | 01/14/2023 02:11      | BJ      |
| 959-98-8             | Endosulfan I                    | ND     |                  | mg/kg dry | 0.00174            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:22      | 01/14/2023 02:11      | BJ      |
| 33213-65-9           | Endosulfan II                   | ND     |                  | mg/kg dry | 0.00174            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854             | 01/11/2023 08:22      | 01/14/2023 02:11      | BJ      |
| 1031-07-8            | Endosulfan sulfate              | ND     |                  | mg/kg dry | 0.00174            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:22      | 01/14/2023 02:11      | BJ      |
| 72-20-8              | Endrin                          | ND     |                  | mg/kg dry | 0.00174            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:22      | 01/14/2023 02:11      | BJ      |
| 7421-93-4            | Endrin aldehyde                 | ND     |                  | mg/kg dry | 0.00174            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:22      | 01/14/2023 02:11      | BJ      |
| 53494-70-5           | Endrin ketone                   | ND     |                  | mg/kg dry | 0.00174            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:22      | 01/14/2023 02:11      | BJ      |
| 58-89-9              | gamma-BHC (Lindane)             | ND     |                  | mg/kg dry | 0.00174            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:22      | 01/14/2023 02:11      | BJ      |
| 5566-34-7            | gamma-Chlordane                 | ND     |                  | mg/kg dry | 0.00174            | 5        | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP                     | 01/11/2023 08:22      | 01/14/2023 02:11      | BJ      |
| 76-44-8              | Heptachlor                      | ND     |                  | mg/kg dry | 0.00174            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:22      | 01/14/2023 02:11      | BJ      |
| 1024-57-3            | Heptachlor epoxide              | ND     |                  | mg/kg dry | 0.00174            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:22      | 01/14/2023 02:11      | BJ      |
| 72-43-5              | Methoxychlor                    | ND     |                  | mg/kg dry | 0.00869            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:22      | 01/14/2023 02:11      | BJ      |
| 8001-35-2            | Toxaphene                       | ND     |                  | mg/kg dry | 0.0879             | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/11/2023 08:22      | 01/14/2023 02:11      | BJ      |
| Surrogate Recoveries |                                 | Result | Acceptance Range |           |                    |          |                                                                      |                       |                       |         |
| 2051-24-3            | Surrogate: Decachlorobiphenyl   | 93.5 % | 30-150           |           |                    |          |                                                                      |                       |                       |         |
| 877-09-8             | Surrogate: Tetrachloro-m-xylene | 97.8 % | 30-150           |           |                    |          |                                                                      |                       |                       |         |

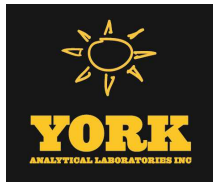
### Polychlorinated Biphenyls (PCB)

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to<br>LOQ | Dilution | Reference Method | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|-----------|--------|------|-------|--------------------|----------|------------------|-----------------------|-----------------------|---------|
|---------|-----------|--------|------|-------|--------------------|----------|------------------|-----------------------|-----------------------|---------|



## Sample Information

**Client Sample ID:** B-3 11-13

**York Sample ID:** 23A0404-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0404

21003-0004

Soil

January 9, 2023 10:00 am

01/09/2023

### Polychlorinated Biphenyls (PCB)

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                       | Result        | Flag                    | Units     | Reported to<br>LOQ | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|-------------------------|-----------|--------------------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 12674-11-2                  | Aroclor 1016                    | ND            |                         | mg/kg dry | 0.0175             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/11/2023 08:22      | 01/12/2023 17:21      | BJ      |
| 11104-28-2                  | Aroclor 1221                    | ND            |                         | mg/kg dry | 0.0175             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/11/2023 08:22      | 01/12/2023 17:21      | BJ      |
| 11141-16-5                  | Aroclor 1232                    | ND            |                         | mg/kg dry | 0.0175             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/11/2023 08:22      | 01/12/2023 17:21      | BJ      |
| 53469-21-9                  | Aroclor 1242                    | ND            |                         | mg/kg dry | 0.0175             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/11/2023 08:22      | 01/12/2023 17:21      | BJ      |
| 12672-29-6                  | Aroclor 1248                    | ND            |                         | mg/kg dry | 0.0175             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/11/2023 08:22      | 01/12/2023 17:21      | BJ      |
| 11097-69-1                  | Aroclor 1254                    | ND            |                         | mg/kg dry | 0.0175             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/11/2023 08:22      | 01/12/2023 17:21      | BJ      |
| 11096-82-5                  | Aroclor 1260                    | ND            |                         | mg/kg dry | 0.0175             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/11/2023 08:22      | 01/12/2023 17:21      | BJ      |
| 1336-36-3                   | * Total PCBs                    | ND            |                         | mg/kg dry | 0.0175             | 1        | EPA 8082A<br>Certifications:                                         | 01/11/2023 08:22      | 01/12/2023 17:21      | BJ      |
| <b>Surrogate Recoveries</b> |                                 | <b>Result</b> | <b>Acceptance Range</b> |           |                    |          |                                                                      |                       |                       |         |
| 877-09-8                    | Surrogate: Tetrachloro-m-xylene | 92.0 %        | 30-140                  |           |                    |          |                                                                      |                       |                       |         |
| 2051-24-3                   | Surrogate: Decachlorobiphenyl   | 81.0 %        | 30-140                  |           |                    |          |                                                                      |                       |                       |         |

### Metals, Target Analyte

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter       | Result       | Flag | Units     | Reported to<br>LOQ | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------------|--------------|------|-----------|--------------------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7429-90-5 | <b>Aluminum</b> | <b>887</b>   |      | mg/kg dry | 4.40               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 14:26      | 01/16/2023 15:43      | CW      |
| 7440-36-0 | <b>Antimony</b> | <b>7.26</b>  |      | mg/kg dry | 2.20               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 14:26      | 01/16/2023 15:43      | CW      |
| 7440-38-2 | <b>Arsenic</b>  | <b>6.62</b>  |      | mg/kg dry | 1.32               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 14:26      | 01/16/2023 15:43      | CW      |
| 7440-39-3 | <b>Barium</b>   | <b>4.27</b>  |      | mg/kg dry | 2.20               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 14:26      | 01/16/2023 15:43      | CW      |
| 7440-41-7 | Beryllium       | ND           |      | mg/kg dry | 0.044              | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 14:26      | 01/16/2023 15:43      | CW      |
| 7440-43-9 | <b>Cadmium</b>  | <b>0.979</b> |      | mg/kg dry | 0.264              | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 14:26      | 01/16/2023 15:43      | CW      |
| 7440-70-2 | <b>Calcium</b>  | <b>280</b>   |      | mg/kg dry | 4.40               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 14:26      | 01/16/2023 15:43      | CW      |
| 7440-47-3 | <b>Chromium</b> | <b>10.2</b>  |      | mg/kg dry | 0.441              | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 14:26      | 01/16/2023 15:43      | CW      |
| 7440-48-4 | <b>Cobalt</b>   | <b>1.98</b>  |      | mg/kg dry | 0.352              | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 14:26      | 01/16/2023 15:43      | CW      |



## Sample Information

**Client Sample ID:** B-3 11-13

**York Sample ID:** 23A0404-01

York Project (SDG) No.  
23A0404

Client Project ID  
21003-0004

Matrix  
Soil

Collection Date/Time  
January 9, 2023 10:00 am

Date Received  
01/09/2023

### Metals, Target Analyte

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter | Result | Flag | Units     | Reported to LOQ | Dilution | Reference Method                                                     | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|-----------------|----------|----------------------------------------------------------------------|--------------------|--------------------|---------|
| 7440-50-8 | Copper    | 21.3   |      | mg/kg dry | 1.76            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 14:26   | 01/16/2023 15:43   | CW      |
| 7439-89-6 | Iron      | 30400  |      | mg/kg dry | 22.0            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 14:26   | 01/16/2023 15:43   | CW      |
| 7439-92-1 | Lead      | 168    |      | mg/kg dry | 0.441           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 14:26   | 01/16/2023 15:43   | CW      |
| 7439-95-4 | Magnesium | 190    |      | mg/kg dry | 4.41            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 14:26   | 01/16/2023 15:43   | CW      |
| 7439-96-5 | Manganese | 76.1   |      | mg/kg dry | 0.441           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 14:26   | 01/16/2023 15:43   | CW      |
| 7440-02-0 | Nickel    | 4.36   |      | mg/kg dry | 0.877           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 14:26   | 01/16/2023 15:43   | CW      |
| 7440-09-7 | Potassium | 70.6   |      | mg/kg dry | 4.41            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 14:26   | 01/16/2023 15:43   | CW      |
| 7782-49-2 | Selenium  | ND     |      | mg/kg dry | 2.20            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 14:26   | 01/16/2023 15:43   | CW      |
| 7440-22-4 | Silver    | ND     |      | mg/kg dry | 0.444           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 14:26   | 01/16/2023 15:43   | CW      |
| 7440-23-5 | Sodium    | ND     |      | mg/kg dry | 44.0            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 14:26   | 01/16/2023 15:43   | CW      |
| 7440-28-0 | Thallium  | ND     |      | mg/kg dry | 2.20            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 14:26   | 01/16/2023 15:43   | CW      |
| 7440-62-2 | Vanadium  | 3.61   |      | mg/kg dry | 0.877           | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 14:26   | 01/16/2023 15:43   | CW      |
| 7440-66-6 | Zinc      | 242    |      | mg/kg dry | 2.19            | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 14:26   | 01/16/2023 15:43   | CW      |

### Mercury by 7473

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 7473 soil

| CAS No.   | Parameter | Result | Flag | Units     | Reported to LOQ | Dilution | Reference Method                                                    | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|-----------------|----------|---------------------------------------------------------------------|--------------------|--------------------|---------|
| 7439-97-6 | Mercury   | ND     |      | mg/kg dry | 0.0317          | 1        | EPA 7473<br>Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP | 01/11/2023 08:53   | 01/11/2023 14:15   | MR      |

### 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 | 94.6   |      | %     | 0.100           | 1        | SM 2540G<br>Certifications: CTDOH-PH-0723 | 01/10/2023 16:37   | 01/10/2023 19:36   | AJS     |



## Analytical Batch Summary

**Batch ID:** BA30369      **Preparation Method:** EPA 5035A      **Prepared By:** JTG

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 23A0404-01     | B-3 11-13        | 01/10/23         |
| BA30369-BLK1   | Blank            | 01/10/23         |
| BA30369-BS1    | LCS              | 01/10/23         |
| BA30369-BSD1   | LCS Dup          | 01/10/23         |

**Batch ID:** BA30437      **Preparation Method:** % Solids Prep      **Prepared By:** AJS

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 23A0404-01     | B-3 11-13        | 01/10/23         |
| BA30437-DUP1   | Duplicate        | 01/10/23         |

**Batch ID:** BA30462      **Preparation Method:** EPA 3550C      **Prepared By:** FK

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 23A0404-01     | B-3 11-13        | 01/11/23         |
| 23A0404-01     | B-3 11-13        | 01/11/23         |
| BA30462-BLK1   | Blank            | 01/11/23         |
| BA30462-BLK2   | Blank            | 01/11/23         |
| BA30462-BS1    | LCS              | 01/11/23         |
| BA30462-BS2    | LCS              | 01/11/23         |
| BA30462-MS2    | Matrix Spike     | 01/11/23         |
| BA30462-MSD2   | Matrix Spike Dup | 01/11/23         |

**Batch ID:** BA30473      **Preparation Method:** EPA 7473 soil      **Prepared By:** MR

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 23A0404-01     | B-3 11-13        | 01/11/23         |
| BA30473-BLK1   | Blank            | 01/11/23         |
| BA30473-DUP1   | Duplicate        | 01/11/23         |
| BA30473-MS1    | Matrix Spike     | 01/11/23         |
| BA30473-SRM1   | Reference        | 01/11/23         |

**Batch ID:** BA30535      **Preparation Method:** EPA 3550C      **Prepared By:** JM

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 23A0404-01     | B-3 11-13        | 01/12/23         |
| BA30535-BLK1   | Blank            | 01/12/23         |
| BA30535-BS1    | LCS              | 01/12/23         |
| BA30535-MS1    | Matrix Spike     | 01/12/23         |
| BA30535-MSD1   | Matrix Spike Dup | 01/12/23         |



**Batch ID:** BA30653

**Preparation Method:** EPA 3050B

**Prepared By:** KMQ

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 23A0404-01     | B-3 11-13        | 01/13/23         |
| BA30653-BLK1   | Blank            | 01/13/23         |
| BA30653-DUP1   | Duplicate        | 01/13/23         |
| BA30653-MS1    | Matrix Spike     | 01/13/23         |
| BA30653-PS1    | Post Spike       | 01/13/23         |
| BA30653-SRM1   | Reference        | 01/13/23         |





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

### York Analytical Laboratories, Inc. - Stratford

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source*<br>Result | %REC | %REC<br>Limits | Flag | RPD | RPD<br>Limit | Flag |
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|

#### Batch BA30369 - EPA 5035A

##### Blank (BA30369-BLK1)

Prepared & Analyzed: 01/10/2023

|                                                   |    |        |           |
|---------------------------------------------------|----|--------|-----------|
| 1,1,1,2-Tetrachloroethane                         | ND | 0.0050 | mg/kg wet |
| 1,1,1-Trichloroethane                             | ND | 0.0050 | "         |
| 1,1,2,2-Tetrachloroethane                         | ND | 0.0050 | "         |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | 0.0050 | "         |
| 1,1,2-Trichloroethane                             | ND | 0.0050 | "         |
| 1,1-Dichloroethane                                | ND | 0.0050 | "         |
| 1,1-Dichloroethylene                              | ND | 0.0050 | "         |
| 1,2,3-Trichlorobenzene                            | ND | 0.0050 | "         |
| 1,2,3-Trichloropropane                            | ND | 0.0050 | "         |
| 1,2,4-Trichlorobenzene                            | ND | 0.0050 | "         |
| 1,2,4-Trimethylbenzene                            | ND | 0.0050 | "         |
| 1,2-Dibromo-3-chloropropane                       | ND | 0.0050 | "         |
| 1,2-Dibromoethane                                 | ND | 0.0050 | "         |
| 1,2-Dichlorobenzene                               | ND | 0.0050 | "         |
| 1,2-Dichloroethane                                | ND | 0.0050 | "         |
| 1,2-Dichloropropane                               | ND | 0.0050 | "         |
| 1,3,5-Trimethylbenzene                            | ND | 0.0050 | "         |
| 1,3-Dichlorobenzene                               | ND | 0.0050 | "         |
| 1,4-Dichlorobenzene                               | ND | 0.0050 | "         |
| 1,4-Dioxane                                       | ND | 0.10   | "         |
| 2-Butanone                                        | ND | 0.0050 | "         |
| 2-Hexanone                                        | ND | 0.0050 | "         |
| 4-Methyl-2-pentanone                              | ND | 0.0050 | "         |
| Acetone                                           | ND | 0.010  | "         |
| Acrolein                                          | ND | 0.010  | "         |
| Acrylonitrile                                     | ND | 0.0050 | "         |
| Benzene                                           | ND | 0.0050 | "         |
| Bromochloromethane                                | ND | 0.0050 | "         |
| Bromodichloromethane                              | ND | 0.0050 | "         |
| Bromoform                                         | ND | 0.0050 | "         |
| Bromomethane                                      | ND | 0.0050 | "         |
| Carbon disulfide                                  | ND | 0.0050 | "         |
| Carbon tetrachloride                              | ND | 0.0050 | "         |
| Chlorobenzene                                     | ND | 0.0050 | "         |
| Chloroethane                                      | ND | 0.0050 | "         |
| Chloroform                                        | ND | 0.0050 | "         |
| Chloromethane                                     | ND | 0.0050 | "         |
| cis-1,2-Dichloroethylene                          | ND | 0.0050 | "         |
| cis-1,3-Dichloropropylene                         | ND | 0.0050 | "         |
| Cyclohexane                                       | ND | 0.0050 | "         |
| Dibromochloromethane                              | ND | 0.0050 | "         |
| Dibromomethane                                    | ND | 0.0050 | "         |
| Dichlorodifluoromethane                           | ND | 0.0050 | "         |
| Ethyl Benzene                                     | ND | 0.0050 | "         |
| Hexachlorobutadiene                               | ND | 0.0050 | "         |
| Isopropylbenzene                                  | ND | 0.0050 | "         |
| Methyl acetate                                    | ND | 0.0050 | "         |
| Methyl tert-butyl ether (MTBE)                    | ND | 0.0050 | "         |
| Methylcyclohexane                                 | ND | 0.0050 | "         |



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

### York Analytical Laboratories, Inc. - Stratford

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

#### Batch BA30369 - EPA 5035A

##### Blank (BA30369-BLK1)

Prepared & Analyzed: 01/10/2023

|                             |    |        |           |
|-----------------------------|----|--------|-----------|
| Methylene chloride          | ND | 0.010  | mg/kg wet |
| n-Butylbenzene              | ND | 0.0050 | "         |
| n-Propylbenzene             | ND | 0.0050 | "         |
| o-Xylene                    | ND | 0.0050 | "         |
| p- & m- Xylenes             | ND | 0.010  | "         |
| p-Isopropyltoluene          | ND | 0.0050 | "         |
| sec-Butylbenzene            | ND | 0.0050 | "         |
| Styrene                     | ND | 0.0050 | "         |
| tert-Butyl alcohol (TBA)    | ND | 0.0050 | "         |
| tert-Butylbenzene           | ND | 0.0050 | "         |
| Tetrachloroethylene         | ND | 0.0050 | "         |
| Toluene                     | ND | 0.0050 | "         |
| trans-1,2-Dichloroethylene  | ND | 0.0050 | "         |
| trans-1,3-Dichloropropylene | ND | 0.0050 | "         |
| Trichloroethylene           | ND | 0.0050 | "         |
| Trichlorofluoromethane      | ND | 0.0050 | "         |
| Vinyl Chloride              | ND | 0.0050 | "         |
| Xylenes, Total              | ND | 0.015  | "         |

|                                         |      |      |      |      |        |
|-----------------------------------------|------|------|------|------|--------|
| Surrogate: SURRE: 1,2-Dichloroethane-d4 | 56.9 | ug/L | 50.0 | 114  | 77-125 |
| Surrogate: SURRE: Toluene-d8            | 47.8 | "    | 50.0 | 95.5 | 85-120 |
| Surrogate: SURRE: p-Bromofluorobenzene  | 47.6 | "    | 50.0 | 95.3 | 76-130 |

##### LCS (BA30369-BS1)

Prepared & Analyzed: 01/10/2023

|                                                   |      |      |      |      |        |
|---------------------------------------------------|------|------|------|------|--------|
| 1,1,1,2-Tetrachloroethane                         | 51   | ug/L | 50.0 | 102  | 75-129 |
| 1,1,1-Trichloroethane                             | 53   | "    | 50.0 | 105  | 71-137 |
| 1,1,2,2-Tetrachloroethane                         | 42   | "    | 50.0 | 84.0 | 79-129 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 55   | "    | 50.0 | 110  | 58-146 |
| 1,1,2-Trichloroethane                             | 44   | "    | 50.0 | 87.3 | 83-123 |
| 1,1-Dichloroethane                                | 44   | "    | 50.0 | 88.2 | 75-130 |
| 1,1-Dichloroethylene                              | 53   | "    | 50.0 | 106  | 64-137 |
| 1,2,3-Trichlorobenzene                            | 43   | "    | 50.0 | 85.2 | 81-140 |
| 1,2,3-Trichloropropane                            | 47   | "    | 50.0 | 93.3 | 81-126 |
| 1,2,4-Trichlorobenzene                            | 43   | "    | 50.0 | 86.2 | 80-141 |
| 1,2,4-Trimethylbenzene                            | 43   | "    | 50.0 | 86.2 | 84-125 |
| 1,2-Dibromo-3-chloropropane                       | 48   | "    | 50.0 | 96.1 | 74-142 |
| 1,2-Dibromoethane                                 | 48   | "    | 50.0 | 95.9 | 86-123 |
| 1,2-Dichlorobenzene                               | 43   | "    | 50.0 | 86.4 | 85-122 |
| 1,2-Dichloroethane                                | 52   | "    | 50.0 | 103  | 71-133 |
| 1,2-Dichloropropane                               | 43   | "    | 50.0 | 85.8 | 81-122 |
| 1,3,5-Trimethylbenzene                            | 44   | "    | 50.0 | 87.7 | 82-126 |
| 1,3-Dichlorobenzene                               | 43   | "    | 50.0 | 85.8 | 84-124 |
| 1,4-Dichlorobenzene                               | 43   | "    | 50.0 | 85.4 | 84-124 |
| 1,4-Dioxane                                       | 1600 | "    | 1050 | 148  | 10-228 |
| 2-Butanone                                        | 44   | "    | 50.0 | 88.3 | 58-147 |
| 2-Hexanone                                        | 43   | "    | 50.0 | 86.3 | 70-139 |
| 4-Methyl-2-pentanone                              | 43   | "    | 50.0 | 85.4 | 72-132 |
| Acetone                                           | 66   | "    | 50.0 | 132  | 36-155 |
| Acrolein                                          | 40   | "    | 50.0 | 80.2 | 10-238 |
| Acrylonitrile                                     | 43   | "    | 50.0 | 85.1 | 66-141 |
| Benzene                                           | 44   | "    | 50.0 | 88.7 | 77-127 |



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

### York Analytical Laboratories, Inc. - Stratford

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

#### Batch BA30369 - EPA 5035A

#### LCS (BA30369-BS1)

Prepared & Analyzed: 01/10/2023

|                                        |      |  |      |      |  |      |        |           |  |  |  |
|----------------------------------------|------|--|------|------|--|------|--------|-----------|--|--|--|
| Bromochloromethane                     | 47   |  | ug/L | 50.0 |  | 93.4 | 74-129 |           |  |  |  |
| Bromodichloromethane                   | 50   |  | "    | 50.0 |  | 99.4 | 81-124 |           |  |  |  |
| Bromoform                              | 54   |  | "    | 50.0 |  | 108  | 80-136 |           |  |  |  |
| Bromomethane                           | 51   |  | "    | 50.0 |  | 101  | 32-177 |           |  |  |  |
| Carbon disulfide                       | 68   |  | "    | 50.0 |  | 137  | 10-136 | High Bias |  |  |  |
| Carbon tetrachloride                   | 56   |  | "    | 50.0 |  | 112  | 66-143 |           |  |  |  |
| Chlorobenzene                          | 46   |  | "    | 50.0 |  | 92.2 | 86-120 |           |  |  |  |
| Chloroethane                           | 62   |  | "    | 50.0 |  | 124  | 51-142 |           |  |  |  |
| Chloroform                             | 48   |  | "    | 50.0 |  | 96.2 | 76-131 |           |  |  |  |
| Chloromethane                          | 41   |  | "    | 50.0 |  | 82.7 | 49-132 |           |  |  |  |
| cis-1,2-Dichloroethylene               | 47   |  | "    | 50.0 |  | 93.6 | 74-132 |           |  |  |  |
| cis-1,3-Dichloropropylene              | 46   |  | "    | 50.0 |  | 92.1 | 81-129 |           |  |  |  |
| Cyclohexane                            | 41   |  | "    | 50.0 |  | 82.4 | 70-130 |           |  |  |  |
| Dibromochloromethane                   | 54   |  | "    | 50.0 |  | 108  | 10-200 |           |  |  |  |
| Dibromomethane                         | 46   |  | "    | 50.0 |  | 92.3 | 83-124 |           |  |  |  |
| Dichlorodifluoromethane                | 46   |  | "    | 50.0 |  | 91.7 | 28-158 |           |  |  |  |
| Ethyl Benzene                          | 44   |  | "    | 50.0 |  | 88.7 | 84-125 |           |  |  |  |
| Hexachlorobutadiene                    | 46   |  | "    | 50.0 |  | 92.6 | 83-133 |           |  |  |  |
| Isopropylbenzene                       | 45   |  | "    | 50.0 |  | 89.8 | 81-127 |           |  |  |  |
| Methyl acetate                         | 41   |  | "    | 50.0 |  | 83.0 | 41-143 |           |  |  |  |
| Methyl tert-butyl ether (MTBE)         | 48   |  | "    | 50.0 |  | 95.6 | 74-131 |           |  |  |  |
| Methylcyclohexane                      | 40   |  | "    | 50.0 |  | 79.8 | 70-130 |           |  |  |  |
| Methylene chloride                     | 44   |  | "    | 50.0 |  | 87.2 | 57-141 |           |  |  |  |
| n-Butylbenzene                         | 42   |  | "    | 50.0 |  | 83.6 | 80-130 |           |  |  |  |
| n-Propylbenzene                        | 43   |  | "    | 50.0 |  | 86.0 | 74-136 |           |  |  |  |
| o-Xylene                               | 46   |  | "    | 50.0 |  | 91.2 | 83-123 |           |  |  |  |
| p- & m- Xylenes                        | 89   |  | "    | 100  |  | 89.0 | 82-128 |           |  |  |  |
| p-Isopropyltoluene                     | 45   |  | "    | 50.0 |  | 89.3 | 85-125 |           |  |  |  |
| sec-Butylbenzene                       | 45   |  | "    | 50.0 |  | 89.1 | 83-125 |           |  |  |  |
| Styrene                                | 45   |  | "    | 50.0 |  | 90.3 | 86-126 |           |  |  |  |
| tert-Butyl alcohol (TBA)               | 310  |  | "    | 250  |  | 125  | 70-130 |           |  |  |  |
| tert-Butylbenzene                      | 45   |  | "    | 50.0 |  | 90.9 | 80-127 |           |  |  |  |
| Tetrachloroethylene                    | 42   |  | "    | 50.0 |  | 83.8 | 80-129 |           |  |  |  |
| Toluene                                | 43   |  | "    | 50.0 |  | 85.1 | 85-121 |           |  |  |  |
| trans-1,2-Dichloroethylene             | 45   |  | "    | 50.0 |  | 90.8 | 72-132 |           |  |  |  |
| trans-1,3-Dichloropropylene            | 49   |  | "    | 50.0 |  | 97.3 | 78-132 |           |  |  |  |
| Trichloroethylene                      | 45   |  | "    | 50.0 |  | 90.9 | 84-123 |           |  |  |  |
| Trichlorofluoromethane                 | 60   |  | "    | 50.0 |  | 119  | 62-140 |           |  |  |  |
| Vinyl Chloride                         | 51   |  | "    | 50.0 |  | 103  | 52-130 |           |  |  |  |
| Surrogate: SURR: 1,2-Dichloroethane-d4 | 55.7 |  | "    | 50.0 |  | 111  | 77-125 |           |  |  |  |
| Surrogate: SURR: Toluene-d8            | 48.6 |  | "    | 50.0 |  | 97.1 | 85-120 |           |  |  |  |
| Surrogate: SURR: p-Bromofluorobenzene  | 48.9 |  | "    | 50.0 |  | 97.9 | 76-130 |           |  |  |  |



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

### York Analytical Laboratories, Inc. - Stratford

| Analyte                                           | Result | Reporting Limit | Units | Spike Level | Source* Result | %REC                            | %REC Limits | Flag      | RPD    | RPD Limit | Flag |
|---------------------------------------------------|--------|-----------------|-------|-------------|----------------|---------------------------------|-------------|-----------|--------|-----------|------|
| <b>Batch BA30369 - EPA 5035A</b>                  |        |                 |       |             |                |                                 |             |           |        |           |      |
| <b>LCS Dup (BA30369-BSD1)</b>                     |        |                 |       |             |                | Prepared & Analyzed: 01/10/2023 |             |           |        |           |      |
| 1,1,1,2-Tetrachloroethane                         | 52     |                 | ug/L  | 50.0        |                | 105                             | 75-129      |           | 2.53   | 30        |      |
| 1,1,1-Trichloroethane                             | 54     |                 | "     | 50.0        |                | 108                             | 71-137      |           | 2.53   | 30        |      |
| 1,1,2,2-Tetrachloroethane                         | 44     |                 | "     | 50.0        |                | 87.1                            | 79-129      |           | 3.65   | 30        |      |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 55     |                 | "     | 50.0        |                | 111                             | 58-146      |           | 0.742  | 30        |      |
| 1,1,2-Trichloroethane                             | 44     |                 | "     | 50.0        |                | 88.5                            | 83-123      |           | 1.43   | 30        |      |
| 1,1-Dichloroethane                                | 44     |                 | "     | 50.0        |                | 88.2                            | 75-130      |           | 0.0680 | 30        |      |
| 1,1-Dichloroethylene                              | 54     |                 | "     | 50.0        |                | 108                             | 64-137      |           | 1.76   | 30        |      |
| 1,2,3-Trichlorobenzene                            | 46     |                 | "     | 50.0        |                | 91.4                            | 81-140      |           | 6.95   | 30        |      |
| 1,2,3-Trichloropropane                            | 47     |                 | "     | 50.0        |                | 94.5                            | 81-126      |           | 1.28   | 30        |      |
| 1,2,4-Trichlorobenzene                            | 48     |                 | "     | 50.0        |                | 95.2                            | 80-141      |           | 9.94   | 30        |      |
| 1,2,4-Trimethylbenzene                            | 45     |                 | "     | 50.0        |                | 89.6                            | 84-125      |           | 3.80   | 30        |      |
| 1,2-Dibromo-3-chloropropane                       | 48     |                 | "     | 50.0        |                | 95.7                            | 74-142      |           | 0.417  | 30        |      |
| 1,2-Dibromoethane                                 | 49     |                 | "     | 50.0        |                | 98.5                            | 86-123      |           | 2.69   | 30        |      |
| 1,2-Dichlorobenzene                               | 45     |                 | "     | 50.0        |                | 89.3                            | 85-122      |           | 3.32   | 30        |      |
| 1,2-Dichloroethane                                | 53     |                 | "     | 50.0        |                | 105                             | 71-133      |           | 2.11   | 30        |      |
| 1,2-Dichloropropane                               | 44     |                 | "     | 50.0        |                | 87.7                            | 81-122      |           | 2.21   | 30        |      |
| 1,3,5-Trimethylbenzene                            | 46     |                 | "     | 50.0        |                | 91.0                            | 82-126      |           | 3.76   | 30        |      |
| 1,3-Dichlorobenzene                               | 45     |                 | "     | 50.0        |                | 90.6                            | 84-124      |           | 5.40   | 30        |      |
| 1,4-Dichlorobenzene                               | 45     |                 | "     | 50.0        |                | 89.8                            | 84-124      |           | 5.07   | 30        |      |
| 1,4-Dioxane                                       | 1500   |                 | "     | 1050        |                | 147                             | 10-228      |           | 0.672  | 30        |      |
| 2-Butanone                                        | 42     |                 | "     | 50.0        |                | 83.4                            | 58-147      |           | 5.61   | 30        |      |
| 2-Hexanone                                        | 45     |                 | "     | 50.0        |                | 89.1                            | 70-139      |           | 3.10   | 30        |      |
| 4-Methyl-2-pentanone                              | 45     |                 | "     | 50.0        |                | 89.0                            | 72-132      |           | 4.10   | 30        |      |
| Acetone                                           | 64     |                 | "     | 50.0        |                | 129                             | 36-155      |           | 2.40   | 30        |      |
| Acrolein                                          | 43     |                 | "     | 50.0        |                | 85.9                            | 10-238      |           | 6.79   | 30        |      |
| Acrylonitrile                                     | 43     |                 | "     | 50.0        |                | 86.6                            | 66-141      |           | 1.72   | 30        |      |
| Benzene                                           | 44     |                 | "     | 50.0        |                | 88.9                            | 77-127      |           | 0.203  | 30        |      |
| Bromochloromethane                                | 47     |                 | "     | 50.0        |                | 94.5                            | 74-129      |           | 1.13   | 30        |      |
| Bromodichloromethane                              | 51     |                 | "     | 50.0        |                | 101                             | 81-124      |           | 1.73   | 30        |      |
| Bromoform                                         | 56     |                 | "     | 50.0        |                | 112                             | 80-136      |           | 3.44   | 30        |      |
| Bromomethane                                      | 53     |                 | "     | 50.0        |                | 107                             | 32-177      |           | 5.18   | 30        |      |
| Carbon disulfide                                  | 69     |                 | "     | 50.0        |                | 137                             | 10-136      | High Bias | 0.0876 | 30        |      |
| Carbon tetrachloride                              | 56     |                 | "     | 50.0        |                | 113                             | 66-143      |           | 0.160  | 30        |      |
| Chlorobenzene                                     | 47     |                 | "     | 50.0        |                | 94.4                            | 86-120      |           | 2.36   | 30        |      |
| Chloroethane                                      | 59     |                 | "     | 50.0        |                | 117                             | 51-142      |           | 5.73   | 30        |      |
| Chloroform                                        | 49     |                 | "     | 50.0        |                | 97.8                            | 76-131      |           | 1.65   | 30        |      |
| Chloromethane                                     | 40     |                 | "     | 50.0        |                | 80.2                            | 49-132      |           | 3.14   | 30        |      |
| cis-1,2-Dichloroethylene                          | 48     |                 | "     | 50.0        |                | 96.3                            | 74-132      |           | 2.82   | 30        |      |
| cis-1,3-Dichloropropylene                         | 48     |                 | "     | 50.0        |                | 96.4                            | 81-129      |           | 4.48   | 30        |      |
| Cyclohexane                                       | 42     |                 | "     | 50.0        |                | 83.4                            | 70-130      |           | 1.18   | 30        |      |
| Dibromochloromethane                              | 55     |                 | "     | 50.0        |                | 110                             | 10-200      |           | 2.30   | 30        |      |
| Dibromomethane                                    | 47     |                 | "     | 50.0        |                | 94.3                            | 83-124      |           | 2.21   | 30        |      |
| Dichlorodifluoromethane                           | 43     |                 | "     | 50.0        |                | 86.5                            | 28-158      |           | 5.82   | 30        |      |
| Ethyl Benzene                                     | 45     |                 | "     | 50.0        |                | 90.8                            | 84-125      |           | 2.34   | 30        |      |
| Hexachlorobutadiene                               | 47     |                 | "     | 50.0        |                | 94.6                            | 83-133      |           | 2.14   | 30        |      |
| Isopropylbenzene                                  | 46     |                 | "     | 50.0        |                | 92.2                            | 81-127      |           | 2.70   | 30        |      |
| Methyl acetate                                    | 41     |                 | "     | 50.0        |                | 82.6                            | 41-143      |           | 0.411  | 30        |      |
| Methyl tert-butyl ether (MTBE)                    | 48     |                 | "     | 50.0        |                | 96.4                            | 74-131      |           | 0.792  | 30        |      |
| Methylcyclohexane                                 | 41     |                 | "     | 50.0        |                | 81.6                            | 70-130      |           | 2.18   | 30        |      |
| Methylene chloride                                | 44     |                 | "     | 50.0        |                | 87.5                            | 57-141      |           | 0.298  | 30        |      |



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

### York Analytical Laboratories, Inc. - Stratford

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source*<br>Result | %REC | %REC<br>Limits | Flag | RPD | RPD<br>Limit | Flag |
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|

#### Batch BA30369 - EPA 5035A

#### LCS Dup (BA30369-BSD1)

Prepared & Analyzed: 01/10/2023

|                                        |      |  |      |      |  |      |        |  |      |    |  |
|----------------------------------------|------|--|------|------|--|------|--------|--|------|----|--|
| n-Butylbenzene                         | 44   |  | ug/L | 50.0 |  | 88.7 | 80-130 |  | 5.92 | 30 |  |
| n-Propylbenzene                        | 44   |  | "    | 50.0 |  | 88.7 | 74-136 |  | 3.09 | 30 |  |
| o-Xylene                               | 46   |  | "    | 50.0 |  | 92.2 | 83-123 |  | 1.09 | 30 |  |
| p- & m- Xylenes                        | 92   |  | "    | 100  |  | 92.1 | 82-128 |  | 3.38 | 30 |  |
| p-Isopropyltoluene                     | 47   |  | "    | 50.0 |  | 94.1 | 85-125 |  | 5.28 | 30 |  |
| sec-Butylbenzene                       | 46   |  | "    | 50.0 |  | 91.1 | 83-125 |  | 2.22 | 30 |  |
| Styrene                                | 47   |  | "    | 50.0 |  | 93.7 | 86-126 |  | 3.69 | 30 |  |
| tert-Butyl alcohol (TBA)               | 320  |  | "    | 250  |  | 128  | 70-130 |  | 2.34 | 30 |  |
| tert-Butylbenzene                      | 47   |  | "    | 50.0 |  | 94.0 | 80-127 |  | 3.31 | 30 |  |
| Tetrachloroethylene                    | 43   |  | "    | 50.0 |  | 86.0 | 80-129 |  | 2.59 | 30 |  |
| Toluene                                | 43   |  | "    | 50.0 |  | 86.4 | 85-121 |  | 1.52 | 30 |  |
| trans-1,2-Dichloroethylene             | 46   |  | "    | 50.0 |  | 92.3 | 72-132 |  | 1.66 | 30 |  |
| trans-1,3-Dichloropropylene            | 51   |  | "    | 50.0 |  | 102  | 78-132 |  | 5.19 | 30 |  |
| Trichloroethylene                      | 46   |  | "    | 50.0 |  | 92.4 | 84-123 |  | 1.64 | 30 |  |
| Trichlorofluoromethane                 | 60   |  | "    | 50.0 |  | 121  | 62-140 |  | 1.60 | 30 |  |
| Vinyl Chloride                         | 50   |  | "    | 50.0 |  | 99.3 | 52-130 |  | 3.47 | 30 |  |
| Surrogate: SURR: 1,2-Dichloroethane-d4 | 56.2 |  | "    | 50.0 |  | 112  | 77-125 |  |      |    |  |
| Surrogate: SURR: Toluene-d8            | 48.6 |  | "    | 50.0 |  | 97.2 | 85-120 |  |      |    |  |
| Surrogate: SURR: p-Bromofluorobenzene  | 49.6 |  | "    | 50.0 |  | 99.2 | 76-130 |  |      |    |  |



## Semivolatile Organic Compounds by GC/MS - Quality Control Data

### York Analytical Laboratories, Inc. - Stratford

| Analyte                               | Result | Reporting<br>Limit | Units     | Spike<br>Level | Source*<br>Result | %REC | %REC<br>Limits | Flag | RPD | RPD<br>Limit | Flag |
|---------------------------------------|--------|--------------------|-----------|----------------|-------------------|------|----------------|------|-----|--------------|------|
| <b>Batch BA30535 - EPA 3550C</b>      |        |                    |           |                |                   |      |                |      |     |              |      |
| <b>Blank (BA30535-BLK1)</b>           |        |                    |           |                |                   |      |                |      |     |              |      |
| Prepared & Analyzed: 01/12/2023       |        |                    |           |                |                   |      |                |      |     |              |      |
| 1,1-Biphenyl                          | ND     | 0.0416             | mg/kg wet |                |                   |      |                |      |     |              |      |
| 1,2,4,5-Tetrachlorobenzene            | ND     | 0.0830             | "         |                |                   |      |                |      |     |              |      |
| 1,2,4-Trichlorobenzene                | ND     | 0.0416             | "         |                |                   |      |                |      |     |              |      |
| 1,2-Dichlorobenzene                   | ND     | 0.0416             | "         |                |                   |      |                |      |     |              |      |
| 1,2-Diphenylhydrazine (as Azobenzene) | ND     | 0.0416             | "         |                |                   |      |                |      |     |              |      |
| 1,3-Dichlorobenzene                   | ND     | 0.0416             | "         |                |                   |      |                |      |     |              |      |
| 1,4-Dichlorobenzene                   | ND     | 0.0416             | "         |                |                   |      |                |      |     |              |      |
| 2,3,4,6-Tetrachlorophenol             | ND     | 0.0830             | "         |                |                   |      |                |      |     |              |      |
| 2,4,5-Trichlorophenol                 | ND     | 0.0416             | "         |                |                   |      |                |      |     |              |      |
| 2,4,6-Trichlorophenol                 | ND     | 0.0416             | "         |                |                   |      |                |      |     |              |      |
| 2,4-Dichlorophenol                    | ND     | 0.0416             | "         |                |                   |      |                |      |     |              |      |
| 2,4-Dimethylphenol                    | ND     | 0.0416             | "         |                |                   |      |                |      |     |              |      |
| 2,4-Dinitrophenol                     | ND     | 0.0830             | "         |                |                   |      |                |      |     |              |      |
| 2,4-Dinitrotoluene                    | ND     | 0.0416             | "         |                |                   |      |                |      |     |              |      |
| 2,6-Dinitrotoluene                    | ND     | 0.0416             | "         |                |                   |      |                |      |     |              |      |
| 2-Chloronaphthalene                   | ND     | 0.0416             | "         |                |                   |      |                |      |     |              |      |
| 2-Chlorophenol                        | ND     | 0.0416             | "         |                |                   |      |                |      |     |              |      |
| 2-Methylnaphthalene                   | ND     | 0.0416             | "         |                |                   |      |                |      |     |              |      |
| 2-Methylphenol                        | ND     | 0.0416             | "         |                |                   |      |                |      |     |              |      |
| 2-Nitroaniline                        | ND     | 0.0830             | "         |                |                   |      |                |      |     |              |      |
| 2-Nitrophenol                         | ND     | 0.0416             | "         |                |                   |      |                |      |     |              |      |
| 3- & 4-Methylphenols                  | ND     | 0.0416             | "         |                |                   |      |                |      |     |              |      |
| 3,3-Dichlorobenzidine                 | ND     | 0.0416             | "         |                |                   |      |                |      |     |              |      |
| 3-Nitroaniline                        | ND     | 0.0830             | "         |                |                   |      |                |      |     |              |      |
| 4,6-Dinitro-2-methylphenol            | ND     | 0.0830             | "         |                |                   |      |                |      |     |              |      |
| 4-Bromophenyl phenyl ether            | ND     | 0.0416             | "         |                |                   |      |                |      |     |              |      |
| 4-Chloro-3-methylphenol               | ND     | 0.0416             | "         |                |                   |      |                |      |     |              |      |
| 4-Chloroaniline                       | ND     | 0.0416             | "         |                |                   |      |                |      |     |              |      |
| 4-Chlorophenyl phenyl ether           | ND     | 0.0416             | "         |                |                   |      |                |      |     |              |      |
| 4-Nitroaniline                        | ND     | 0.0830             | "         |                |                   |      |                |      |     |              |      |
| 4-Nitrophenol                         | ND     | 0.0830             | "         |                |                   |      |                |      |     |              |      |
| Acenaphthene                          | ND     | 0.0416             | "         |                |                   |      |                |      |     |              |      |
| Acenaphthylene                        | ND     | 0.0416             | "         |                |                   |      |                |      |     |              |      |
| Acetophenone                          | ND     | 0.0416             | "         |                |                   |      |                |      |     |              |      |
| Aniline                               | ND     | 0.166              | "         |                |                   |      |                |      |     |              |      |
| Anthracene                            | ND     | 0.0416             | "         |                |                   |      |                |      |     |              |      |
| Atrazine                              | ND     | 0.0416             | "         |                |                   |      |                |      |     |              |      |
| Benzaldehyde                          | ND     | 0.0416             | "         |                |                   |      |                |      |     |              |      |
| Benzidine                             | ND     | 0.166              | "         |                |                   |      |                |      |     |              |      |
| Benzo(a)anthracene                    | ND     | 0.0416             | "         |                |                   |      |                |      |     |              |      |
| Benzo(a)pyrene                        | ND     | 0.0416             | "         |                |                   |      |                |      |     |              |      |
| Benzo(b)fluoranthene                  | ND     | 0.0416             | "         |                |                   |      |                |      |     |              |      |
| Benzo(g,h,i)perylene                  | ND     | 0.0416             | "         |                |                   |      |                |      |     |              |      |
| Benzo(k)fluoranthene                  | ND     | 0.0416             | "         |                |                   |      |                |      |     |              |      |
| Benzoic acid                          | ND     | 0.0416             | "         |                |                   |      |                |      |     |              |      |
| Benzyl alcohol                        | ND     | 0.0416             | "         |                |                   |      |                |      |     |              |      |
| Benzyl butyl phthalate                | ND     | 0.0416             | "         |                |                   |      |                |      |     |              |      |
| Bis(2-chloroethoxy)methane            | ND     | 0.0416             | "         |                |                   |      |                |      |     |              |      |
| Bis(2-chloroethyl)ether               | ND     | 0.0416             | "         |                |                   |      |                |      |     |              |      |
| Bis(2-chloroisopropyl)ether           | ND     | 0.0416             | "         |                |                   |      |                |      |     |              |      |
| Bis(2-ethylhexyl)phthalate            | 0.0236 | 0.0416             | "         |                |                   |      |                |      |     |              |      |



## Semivolatile Organic Compounds by GC/MS - Quality Control Data

### York Analytical Laboratories, Inc. - Stratford

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source*<br>Result | %REC | %REC<br>Limits | Flag | RPD | RPD<br>Limit | Flag |
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|

#### Batch BA30535 - EPA 3550C

##### Blank (BA30535-BLK1)

Prepared & Analyzed: 01/12/2023

|                                       |       |        |           |       |  |      |        |  |  |  |  |
|---------------------------------------|-------|--------|-----------|-------|--|------|--------|--|--|--|--|
| Caprolactam                           | ND    | 0.0830 | mg/kg wet |       |  |      |        |  |  |  |  |
| Carbazole                             | ND    | 0.0416 | "         |       |  |      |        |  |  |  |  |
| Chrysene                              | ND    | 0.0416 | "         |       |  |      |        |  |  |  |  |
| Dibenzo(a,h)anthracene                | ND    | 0.0416 | "         |       |  |      |        |  |  |  |  |
| Dibenzofuran                          | ND    | 0.0416 | "         |       |  |      |        |  |  |  |  |
| Diethyl phthalate                     | ND    | 0.0416 | "         |       |  |      |        |  |  |  |  |
| Dimethyl phthalate                    | ND    | 0.0416 | "         |       |  |      |        |  |  |  |  |
| Di-n-butyl phthalate                  | ND    | 0.0416 | "         |       |  |      |        |  |  |  |  |
| Di-n-octyl phthalate                  | ND    | 0.0416 | "         |       |  |      |        |  |  |  |  |
| Fluoranthene                          | ND    | 0.0416 | "         |       |  |      |        |  |  |  |  |
| Fluorene                              | ND    | 0.0416 | "         |       |  |      |        |  |  |  |  |
| Hexachlorobenzene                     | ND    | 0.0416 | "         |       |  |      |        |  |  |  |  |
| Hexachlorobutadiene                   | ND    | 0.0416 | "         |       |  |      |        |  |  |  |  |
| Hexachlorocyclopentadiene             | ND    | 0.0416 | "         |       |  |      |        |  |  |  |  |
| Hexachloroethane                      | ND    | 0.0416 | "         |       |  |      |        |  |  |  |  |
| Indeno(1,2,3-cd)pyrene                | ND    | 0.0416 | "         |       |  |      |        |  |  |  |  |
| Isophorone                            | ND    | 0.0416 | "         |       |  |      |        |  |  |  |  |
| Naphthalene                           | ND    | 0.0416 | "         |       |  |      |        |  |  |  |  |
| Nitrobenzene                          | ND    | 0.0416 | "         |       |  |      |        |  |  |  |  |
| N-Nitrosodimethylamine                | ND    | 0.0416 | "         |       |  |      |        |  |  |  |  |
| N-nitroso-di-n-propylamine            | ND    | 0.0416 | "         |       |  |      |        |  |  |  |  |
| N-Nitrosodiphenylamine                | ND    | 0.0416 | "         |       |  |      |        |  |  |  |  |
| Pentachlorophenol                     | ND    | 0.0416 | "         |       |  |      |        |  |  |  |  |
| Phenanthrene                          | ND    | 0.0416 | "         |       |  |      |        |  |  |  |  |
| Phenol                                | ND    | 0.0416 | "         |       |  |      |        |  |  |  |  |
| Pyrene                                | ND    | 0.0416 | "         |       |  |      |        |  |  |  |  |
| Surrogate: SURR: 2-Fluorophenol       | 0.821 |        | "         | 1.66  |  | 49.4 | 20-108 |  |  |  |  |
| Surrogate: SURR: Phenol-d5            | 0.796 |        | "         | 1.66  |  | 47.9 | 23-114 |  |  |  |  |
| Surrogate: SURR: Nitrobenzene-d5      | 0.408 |        | "         | 0.831 |  | 49.2 | 22-108 |  |  |  |  |
| Surrogate: SURR: 2-Fluorobiphenyl     | 0.434 |        | "         | 0.831 |  | 52.2 | 21-113 |  |  |  |  |
| Surrogate: SURR: 2,4,6-Tribromophenol | 1.18  |        | "         | 1.66  |  | 70.9 | 19-110 |  |  |  |  |
| Surrogate: SURR: Terphenyl-d14        | 0.556 |        | "         | 0.831 |  | 67.0 | 24-116 |  |  |  |  |





## Semivolatile Organic Compounds by GC/MS - Quality Control Data

### York Analytical Laboratories, Inc. - Stratford

| Analyte                               | Result | Reporting Limit | Units     | Spike Level | Source* Result | %REC                            | %REC Limits | Flag     | RPD | RPD Limit | Flag |
|---------------------------------------|--------|-----------------|-----------|-------------|----------------|---------------------------------|-------------|----------|-----|-----------|------|
| <b>Batch BA30535 - EPA 3550C</b>      |        |                 |           |             |                |                                 |             |          |     |           |      |
| <b>LCS (BA30535-BS1)</b>              |        |                 |           |             |                | Prepared & Analyzed: 01/12/2023 |             |          |     |           |      |
| 1,1-Biphenyl                          | 0.492  | 0.0416          | mg/kg wet | 0.831       |                | 59.3                            | 18-111      |          |     |           |      |
| 1,2,4,5-Tetrachlorobenzene            | 0.536  | 0.0830          | "         | 0.831       |                | 64.5                            | 21-131      |          |     |           |      |
| 1,2,4-Trichlorobenzene                | 0.487  | 0.0416          | "         | 0.831       |                | 58.6                            | 10-140      |          |     |           |      |
| 1,2-Dichlorobenzene                   | 0.417  | 0.0416          | "         | 0.831       |                | 50.2                            | 34-108      |          |     |           |      |
| 1,2-Diphenylhydrazine (as Azobenzene) | 0.322  | 0.0416          | "         | 0.831       |                | 38.8                            | 17-137      |          |     |           |      |
| 1,3-Dichlorobenzene                   | 0.426  | 0.0416          | "         | 0.831       |                | 51.2                            | 33-110      |          |     |           |      |
| 1,4-Dichlorobenzene                   | 0.414  | 0.0416          | "         | 0.831       |                | 49.8                            | 32-104      |          |     |           |      |
| 2,3,4,6-Tetrachlorophenol             | 0.611  | 0.0830          | "         | 0.831       |                | 73.6                            | 30-130      |          |     |           |      |
| 2,4,5-Trichlorophenol                 | 0.515  | 0.0416          | "         | 0.831       |                | 62.0                            | 27-118      |          |     |           |      |
| 2,4,6-Trichlorophenol                 | 0.548  | 0.0416          | "         | 0.831       |                | 66.0                            | 31-120      |          |     |           |      |
| 2,4-Dichlorophenol                    | 0.526  | 0.0416          | "         | 0.831       |                | 63.3                            | 20-127      |          |     |           |      |
| 2,4-Dimethylphenol                    | 0.509  | 0.0416          | "         | 0.831       |                | 61.3                            | 14-132      |          |     |           |      |
| 2,4-Dinitrophenol                     | ND     | 0.0830          | "         | 0.831       |                |                                 | 10-171      | Low Bias |     |           |      |
| 2,4-Dinitrotoluene                    | 0.440  | 0.0416          | "         | 0.831       |                | 53.0                            | 34-131      |          |     |           |      |
| 2,6-Dinitrotoluene                    | 0.501  | 0.0416          | "         | 0.831       |                | 60.3                            | 31-128      |          |     |           |      |
| 2-Chloronaphthalene                   | 0.476  | 0.0416          | "         | 0.831       |                | 57.4                            | 31-117      |          |     |           |      |
| 2-Chlorophenol                        | 0.450  | 0.0416          | "         | 0.831       |                | 54.1                            | 33-113      |          |     |           |      |
| 2-Methylnaphthalene                   | 0.496  | 0.0416          | "         | 0.831       |                | 59.7                            | 12-138      |          |     |           |      |
| 2-Methylphenol                        | 0.472  | 0.0416          | "         | 0.831       |                | 56.9                            | 10-136      |          |     |           |      |
| 2-Nitroaniline                        | 0.559  | 0.0830          | "         | 0.831       |                | 67.3                            | 27-132      |          |     |           |      |
| 2-Nitrophenol                         | 0.342  | 0.0416          | "         | 0.831       |                | 41.2                            | 17-129      |          |     |           |      |
| 3- & 4-Methylphenols                  | 0.417  | 0.0416          | "         | 0.831       |                | 50.2                            | 29-103      |          |     |           |      |
| 3,3-Dichlorobenzidine                 | 0.556  | 0.0416          | "         | 0.831       |                | 67.0                            | 22-149      |          |     |           |      |
| 3-Nitroaniline                        | 0.586  | 0.0830          | "         | 0.831       |                | 70.6                            | 20-133      |          |     |           |      |
| 4,6-Dinitro-2-methylphenol            | ND     | 0.0830          | "         | 0.831       |                |                                 | 10-143      | Low Bias |     |           |      |
| 4-Bromophenyl phenyl ether            | 0.528  | 0.0416          | "         | 0.831       |                | 63.6                            | 29-120      |          |     |           |      |
| 4-Chloro-3-methylphenol               | 0.503  | 0.0416          | "         | 0.831       |                | 60.5                            | 24-129      |          |     |           |      |
| 4-Chloroaniline                       | 0.416  | 0.0416          | "         | 0.831       |                | 50.0                            | 10-132      |          |     |           |      |
| 4-Chlorophenyl phenyl ether           | 0.490  | 0.0416          | "         | 0.831       |                | 59.0                            | 27-124      |          |     |           |      |
| 4-Nitroaniline                        | 0.568  | 0.0830          | "         | 0.831       |                | 68.4                            | 16-128      |          |     |           |      |
| 4-Nitrophenol                         | 0.469  | 0.0830          | "         | 0.831       |                | 56.4                            | 10-141      |          |     |           |      |
| Acenaphthene                          | 0.468  | 0.0416          | "         | 0.831       |                | 56.4                            | 30-121      |          |     |           |      |
| Acenaphthylene                        | 0.441  | 0.0416          | "         | 0.831       |                | 53.1                            | 30-115      |          |     |           |      |
| Acetophenone                          | 0.451  | 0.0416          | "         | 0.831       |                | 54.3                            | 20-112      |          |     |           |      |
| Aniline                               | 0.424  | 0.166           | "         | 0.831       |                | 51.0                            | 10-119      |          |     |           |      |
| Anthracene                            | 0.520  | 0.0416          | "         | 0.831       |                | 62.6                            | 34-118      |          |     |           |      |
| Atrazine                              | 0.518  | 0.0416          | "         | 0.831       |                | 62.4                            | 26-112      |          |     |           |      |
| Benzaldehyde                          | 0.441  | 0.0416          | "         | 0.831       |                | 53.0                            | 21-100      |          |     |           |      |
| Benzo(a)anthracene                    | 0.527  | 0.0416          | "         | 0.831       |                | 63.5                            | 32-122      |          |     |           |      |
| Benzo(a)pyrene                        | 0.455  | 0.0416          | "         | 0.831       |                | 54.8                            | 29-133      |          |     |           |      |
| Benzo(b)fluoranthene                  | 0.504  | 0.0416          | "         | 0.831       |                | 60.6                            | 25-133      |          |     |           |      |
| Benzo(g,h,i)perylene                  | 0.504  | 0.0416          | "         | 0.831       |                | 60.7                            | 10-143      |          |     |           |      |
| Benzo(k)fluoranthene                  | 0.483  | 0.0416          | "         | 0.831       |                | 58.2                            | 25-128      |          |     |           |      |
| Benzoic acid                          | 0.0671 | 0.0416          | "         | 0.831       |                | 8.08                            | 10-140      | Low Bias |     |           |      |
| Benzyl alcohol                        | 0.437  | 0.0416          | "         | 0.831       |                | 52.6                            | 30-115      |          |     |           |      |
| Benzyl butyl phthalate                | 0.531  | 0.0416          | "         | 0.831       |                | 63.9                            | 26-126      |          |     |           |      |
| Bis(2-chloroethoxy)methane            | 0.454  | 0.0416          | "         | 0.831       |                | 54.6                            | 19-132      |          |     |           |      |
| Bis(2-chloroethyl)ether               | 0.399  | 0.0416          | "         | 0.831       |                | 48.0                            | 19-125      |          |     |           |      |
| Bis(2-chloroisopropyl)ether           | 0.414  | 0.0416          | "         | 0.831       |                | 49.8                            | 20-135      |          |     |           |      |
| Bis(2-ethylhexyl)phthalate            | 0.557  | 0.0416          | "         | 0.831       |                | 67.1                            | 10-155      |          |     |           |      |
| Caprolactam                           | 0.535  | 0.0830          | "         | 0.831       |                | 64.4                            | 10-127      |          |     |           |      |



## Semivolatile Organic Compounds by GC/MS - Quality Control Data

### York Analytical Laboratories, Inc. - Stratford

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

#### Batch BA30535 - EPA 3550C

#### LCS (BA30535-BS1)

Prepared & Analyzed: 01/12/2023

|                                       |        |        |           |       |  |      |        |          |  |  |  |
|---------------------------------------|--------|--------|-----------|-------|--|------|--------|----------|--|--|--|
| Carbazole                             | 0.515  | 0.0416 | mg/kg wet | 0.831 |  | 62.0 | 35-123 |          |  |  |  |
| Chrysene                              | 0.478  | 0.0416 | "         | 0.831 |  | 57.5 | 32-123 |          |  |  |  |
| Dibenzo(a,h)anthracene                | 0.509  | 0.0416 | "         | 0.831 |  | 61.3 | 10-136 |          |  |  |  |
| Dibenzofuran                          | 0.476  | 0.0416 | "         | 0.831 |  | 57.4 | 29-121 |          |  |  |  |
| Diethyl phthalate                     | 0.481  | 0.0416 | "         | 0.831 |  | 58.0 | 34-116 |          |  |  |  |
| Dimethyl phthalate                    | 0.478  | 0.0416 | "         | 0.831 |  | 57.5 | 35-124 |          |  |  |  |
| Di-n-butyl phthalate                  | 0.512  | 0.0416 | "         | 0.831 |  | 61.6 | 31-116 |          |  |  |  |
| Di-n-octyl phthalate                  | 0.531  | 0.0416 | "         | 0.831 |  | 63.9 | 26-136 |          |  |  |  |
| Fluoranthene                          | 0.472  | 0.0416 | "         | 0.831 |  | 56.8 | 33-122 |          |  |  |  |
| Fluorene                              | 0.477  | 0.0416 | "         | 0.831 |  | 57.4 | 29-123 |          |  |  |  |
| Hexachlorobenzene                     | 0.486  | 0.0416 | "         | 0.831 |  | 58.6 | 21-124 |          |  |  |  |
| Hexachlorobutadiene                   | 0.491  | 0.0416 | "         | 0.831 |  | 59.1 | 10-149 |          |  |  |  |
| Hexachlorocyclopentadiene             | 0.0571 | 0.0416 | "         | 0.831 |  | 6.88 | 10-129 | Low Bias |  |  |  |
| Hexachloroethane                      | 0.276  | 0.0416 | "         | 0.831 |  | 33.2 | 28-108 |          |  |  |  |
| Indeno(1,2,3-cd)pyrene                | 0.635  | 0.0416 | "         | 0.831 |  | 76.5 | 10-135 |          |  |  |  |
| Isophorone                            | 0.490  | 0.0416 | "         | 0.831 |  | 59.0 | 20-132 |          |  |  |  |
| Naphthalene                           | 0.473  | 0.0416 | "         | 0.831 |  | 57.0 | 23-124 |          |  |  |  |
| Nitrobenzene                          | 0.465  | 0.0416 | "         | 0.831 |  | 56.0 | 13-132 |          |  |  |  |
| N-Nitrosodimethylamine                | 0.344  | 0.0416 | "         | 0.831 |  | 41.4 | 11-129 |          |  |  |  |
| N-nitroso-di-n-propylamine            | 0.429  | 0.0416 | "         | 0.831 |  | 51.7 | 24-119 |          |  |  |  |
| N-Nitrosodiphenylamine                | 0.566  | 0.0416 | "         | 0.831 |  | 68.1 | 22-152 |          |  |  |  |
| Pentachlorophenol                     | 0.604  | 0.0416 | "         | 0.831 |  | 72.8 | 10-139 |          |  |  |  |
| Phenanthrene                          | 0.504  | 0.0416 | "         | 0.831 |  | 60.6 | 33-123 |          |  |  |  |
| Phenol                                | 0.473  | 0.0416 | "         | 0.831 |  | 57.0 | 23-115 |          |  |  |  |
| Pyrene                                | 0.524  | 0.0416 | "         | 0.831 |  | 63.0 | 32-130 |          |  |  |  |
| Surrogate: SURR: 2-Fluorophenol       | 0.913  |        | "         | 1.66  |  | 55.0 | 20-108 |          |  |  |  |
| Surrogate: SURR: Phenol-d5            | 0.867  |        | "         | 1.66  |  | 52.2 | 23-114 |          |  |  |  |
| Surrogate: SURR: Nitrobenzene-d5      | 0.467  |        | "         | 0.831 |  | 56.2 | 22-108 |          |  |  |  |
| Surrogate: SURR: 2-Fluorobiphenyl     | 0.463  |        | "         | 0.831 |  | 55.8 | 21-113 |          |  |  |  |
| Surrogate: SURR: 2,4,6-Tribromophenol | 1.24   |        | "         | 1.66  |  | 74.7 | 19-110 |          |  |  |  |
| Surrogate: SURR: Terphenyl-d14        | 0.576  |        | "         | 0.831 |  | 69.4 | 24-116 |          |  |  |  |



## Semivolatile Organic Compounds by GC/MS - Quality Control Data

### York Analytical Laboratories, Inc. - Stratford

| Analyte                               | Result | Reporting Limit                                  | Units     | Spike Level | Source* Result | %REC | %REC Limits | Flag                                       | RPD | RPD Limit | Flag |
|---------------------------------------|--------|--------------------------------------------------|-----------|-------------|----------------|------|-------------|--------------------------------------------|-----|-----------|------|
| <b>Batch BA30535 - EPA 3550C</b>      |        |                                                  |           |             |                |      |             |                                            |     |           |      |
| <b>Matrix Spike (BA30535-MS1)</b>     |        | <b>*Source sample: 23A0400-01 (Matrix Spike)</b> |           |             |                |      |             | <b>Prepared &amp; Analyzed: 01/12/2023</b> |     |           |      |
| 1,1-Biphenyl                          | 0.514  | 0.0965                                           | mg/kg dry | 0.964       | ND             | 53.3 | 10-130      |                                            |     |           |      |
| 1,2,4,5-Tetrachlorobenzene            | 0.581  | 0.193                                            | "         | 0.964       | ND             | 60.2 | 10-133      |                                            |     |           |      |
| 1,2,4-Trichlorobenzene                | 0.526  | 0.0965                                           | "         | 0.964       | ND             | 54.6 | 10-127      |                                            |     |           |      |
| 1,2-Dichlorobenzene                   | 0.463  | 0.0965                                           | "         | 0.964       | ND             | 48.1 | 14-111      |                                            |     |           |      |
| 1,2-Diphenylhydrazine (as Azobenzene) | 0.345  | 0.0965                                           | "         | 0.964       | ND             | 35.8 | 10-144      |                                            |     |           |      |
| 1,3-Dichlorobenzene                   | 0.452  | 0.0965                                           | "         | 0.964       | ND             | 46.9 | 11-111      |                                            |     |           |      |
| 1,4-Dichlorobenzene                   | 0.443  | 0.0965                                           | "         | 0.964       | ND             | 46.0 | 10-106      |                                            |     |           |      |
| 2,3,4,6-Tetrachlorophenol             | 0.703  | 0.193                                            | "         | 0.964       | ND             | 73.0 | 30-130      |                                            |     |           |      |
| 2,4,5-Trichlorophenol                 | 0.588  | 0.0965                                           | "         | 0.964       | ND             | 61.0 | 10-127      |                                            |     |           |      |
| 2,4,6-Trichlorophenol                 | 0.606  | 0.0965                                           | "         | 0.964       | ND             | 62.9 | 10-132      |                                            |     |           |      |
| 2,4-Dichlorophenol                    | 0.584  | 0.0965                                           | "         | 0.964       | ND             | 60.6 | 10-128      |                                            |     |           |      |
| 2,4-Dimethylphenol                    | 0.564  | 0.0965                                           | "         | 0.964       | ND             | 58.5 | 10-137      |                                            |     |           |      |
| 2,4-Dinitrophenol                     | ND     | 0.193                                            | "         | 0.964       | ND             |      | 10-171      | Low Bias                                   |     |           |      |
| 2,4-Dinitrotoluene                    | 0.426  | 0.0965                                           | "         | 0.964       | ND             | 44.2 | 16-135      |                                            |     |           |      |
| 2,6-Dinitrotoluene                    | 0.511  | 0.0965                                           | "         | 0.964       | ND             | 53.0 | 18-131      |                                            |     |           |      |
| 2-Chloronaphthalene                   | 0.514  | 0.0965                                           | "         | 0.964       | ND             | 53.3 | 10-129      |                                            |     |           |      |
| 2-Chlorophenol                        | 0.517  | 0.0965                                           | "         | 0.964       | ND             | 53.6 | 15-116      |                                            |     |           |      |
| 2-Methylnaphthalene                   | 0.531  | 0.0965                                           | "         | 0.964       | ND             | 55.0 | 10-147      |                                            |     |           |      |
| 2-Methylphenol                        | 0.536  | 0.0965                                           | "         | 0.964       | ND             | 55.6 | 10-136      |                                            |     |           |      |
| 2-Nitroaniline                        | 0.641  | 0.193                                            | "         | 0.964       | ND             | 66.5 | 10-137      |                                            |     |           |      |
| 2-Nitrophenol                         | 0.315  | 0.0965                                           | "         | 0.964       | ND             | 32.6 | 10-129      |                                            |     |           |      |
| 3- & 4-Methylphenols                  | 0.494  | 0.0965                                           | "         | 0.964       | ND             | 51.3 | 10-123      |                                            |     |           |      |
| 3,3-Dichlorobenzidine                 | 0.561  | 0.0965                                           | "         | 0.964       | ND             | 58.2 | 10-155      |                                            |     |           |      |
| 3-Nitroaniline                        | 0.689  | 0.193                                            | "         | 0.964       | ND             | 71.5 | 12-133      |                                            |     |           |      |
| 4,6-Dinitro-2-methylphenol            | ND     | 0.193                                            | "         | 0.964       | ND             |      | 10-155      | Low Bias                                   |     |           |      |
| 4-Bromophenyl phenyl ether            | 0.565  | 0.0965                                           | "         | 0.964       | ND             | 58.6 | 14-128      |                                            |     |           |      |
| 4-Chloro-3-methylphenol               | 0.585  | 0.0965                                           | "         | 0.964       | ND             | 60.7 | 10-134      |                                            |     |           |      |
| 4-Chloroaniline                       | 0.531  | 0.0965                                           | "         | 0.964       | ND             | 55.1 | 10-145      |                                            |     |           |      |
| 4-Chlorophenyl phenyl ether           | 0.555  | 0.0965                                           | "         | 0.964       | ND             | 57.6 | 14-130      |                                            |     |           |      |
| 4-Nitroaniline                        | 0.669  | 0.193                                            | "         | 0.964       | ND             | 69.4 | 10-147      |                                            |     |           |      |
| 4-Nitrophenol                         | 0.477  | 0.193                                            | "         | 0.964       | ND             | 49.4 | 10-137      |                                            |     |           |      |
| Acenaphthene                          | 0.516  | 0.0965                                           | "         | 0.964       | ND             | 53.5 | 10-146      |                                            |     |           |      |
| Acenaphthylene                        | 0.484  | 0.0965                                           | "         | 0.964       | ND             | 50.2 | 10-134      |                                            |     |           |      |
| Acetophenone                          | 0.516  | 0.0965                                           | "         | 0.964       | ND             | 53.5 | 10-116      |                                            |     |           |      |
| Aniline                               | 0.512  | 0.386                                            | "         | 0.964       | ND             | 53.1 | 10-123      |                                            |     |           |      |
| Anthracene                            | 0.564  | 0.0965                                           | "         | 0.964       | ND             | 58.6 | 10-142      |                                            |     |           |      |
| Atrazine                              | 0.581  | 0.0965                                           | "         | 0.964       | ND             | 60.2 | 19-115      |                                            |     |           |      |
| Benzaldehyde                          | 0.467  | 0.0965                                           | "         | 0.964       | ND             | 48.5 | 10-125      |                                            |     |           |      |
| Benzo(a)anthracene                    | 0.556  | 0.0965                                           | "         | 0.964       | 0.0490         | 52.6 | 10-158      |                                            |     |           |      |
| Benzo(a)pyrene                        | 0.463  | 0.0965                                           | "         | 0.964       | 0.0497         | 42.8 | 10-180      |                                            |     |           |      |
| Benzo(b)fluoranthene                  | 0.510  | 0.0965                                           | "         | 0.964       | ND             | 52.9 | 10-200      |                                            |     |           |      |
| Benzo(g,h,i)perylene                  | 0.495  | 0.0965                                           | "         | 0.964       | ND             | 51.4 | 10-138      |                                            |     |           |      |
| Benzo(k)fluoranthene                  | 0.490  | 0.0965                                           | "         | 0.964       | 0.0497         | 45.7 | 10-197      |                                            |     |           |      |
| Benzoic acid                          | ND     | 0.0965                                           | "         | 0.964       | ND             |      | 10-166      | Low Bias                                   |     |           |      |
| Benzyl alcohol                        | 0.516  | 0.0965                                           | "         | 0.964       | ND             | 53.5 | 12-124      |                                            |     |           |      |
| Benzyl butyl phthalate                | 0.588  | 0.0965                                           | "         | 0.964       | ND             | 61.0 | 10-154      |                                            |     |           |      |
| Bis(2-chloroethoxy)methane            | 0.522  | 0.0965                                           | "         | 0.964       | ND             | 54.2 | 10-132      |                                            |     |           |      |
| Bis(2-chloroethyl)ether               | 0.468  | 0.0965                                           | "         | 0.964       | ND             | 48.6 | 10-119      |                                            |     |           |      |
| Bis(2-chloroisopropyl)ether           | 0.475  | 0.0965                                           | "         | 0.964       | ND             | 49.3 | 10-139      |                                            |     |           |      |
| Bis(2-ethylhexyl)phthalate            | 0.601  | 0.0965                                           | "         | 0.964       | ND             | 62.4 | 10-167      |                                            |     |           |      |
| Caprolactam                           | 0.601  | 0.193                                            | "         | 0.964       | ND             | 62.3 | 10-132      |                                            |     |           |      |



## Semivolatile Organic Compounds by GC/MS - Quality Control Data

### York Analytical Laboratories, Inc. - Stratford

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

#### Batch BA30535 - EPA 3550C

| Matrix Spike (BA30535-MS1)            |       | *Source sample: 23A0400-01 (Matrix Spike) |           |       |        |      | Prepared & Analyzed: 01/12/2023 |          |  |  |  |
|---------------------------------------|-------|-------------------------------------------|-----------|-------|--------|------|---------------------------------|----------|--|--|--|
| Carbazole                             | 0.564 | 0.0965                                    | mg/kg dry | 0.964 | ND     | 58.5 | 10-167                          |          |  |  |  |
| Chrysene                              | 0.519 | 0.0965                                    | "         | 0.964 | 0.0535 | 48.3 | 10-156                          |          |  |  |  |
| Dibenzo(a,h)anthracene                | 0.513 | 0.0965                                    | "         | 0.964 | ND     | 53.2 | 10-137                          |          |  |  |  |
| Dibenzofuran                          | 0.534 | 0.0965                                    | "         | 0.964 | ND     | 55.4 | 10-147                          |          |  |  |  |
| Diethyl phthalate                     | 0.525 | 0.0965                                    | "         | 0.964 | ND     | 54.5 | 20-120                          |          |  |  |  |
| Dimethyl phthalate                    | 0.548 | 0.0965                                    | "         | 0.964 | ND     | 56.9 | 18-131                          |          |  |  |  |
| Di-n-butyl phthalate                  | 0.552 | 0.0965                                    | "         | 0.964 | ND     | 57.3 | 10-137                          |          |  |  |  |
| Di-n-octyl phthalate                  | 0.578 | 0.0965                                    | "         | 0.964 | ND     | 59.9 | 10-180                          |          |  |  |  |
| Fluoranthene                          | 0.500 | 0.0965                                    | "         | 0.964 | 0.0919 | 42.3 | 10-160                          |          |  |  |  |
| Fluorene                              | 0.533 | 0.0965                                    | "         | 0.964 | ND     | 55.3 | 10-157                          |          |  |  |  |
| Hexachlorobenzene                     | 0.527 | 0.0965                                    | "         | 0.964 | ND     | 54.7 | 10-137                          |          |  |  |  |
| Hexachlorobutadiene                   | 0.485 | 0.0965                                    | "         | 0.964 | ND     | 50.3 | 10-132                          |          |  |  |  |
| Hexachlorocyclopentadiene             | ND    | 0.0965                                    | "         | 0.964 | ND     |      | 10-106                          | Low Bias |  |  |  |
| Hexachloroethane                      | 0.234 | 0.0965                                    | "         | 0.964 | ND     | 24.3 | 10-110                          |          |  |  |  |
| Indeno(1,2,3-cd)pyrene                | 0.632 | 0.0965                                    | "         | 0.964 | ND     | 65.6 | 10-144                          |          |  |  |  |
| Isophorone                            | 0.554 | 0.0965                                    | "         | 0.964 | ND     | 57.4 | 10-132                          |          |  |  |  |
| Naphthalene                           | 0.514 | 0.0965                                    | "         | 0.964 | ND     | 53.3 | 10-141                          |          |  |  |  |
| Nitrobenzene                          | 0.512 | 0.0965                                    | "         | 0.964 | ND     | 53.1 | 10-131                          |          |  |  |  |
| N-Nitrosodimethylamine                | 0.416 | 0.0965                                    | "         | 0.964 | ND     | 43.2 | 10-126                          |          |  |  |  |
| N-nitroso-di-n-propylamine            | 0.507 | 0.0965                                    | "         | 0.964 | ND     | 52.6 | 10-125                          |          |  |  |  |
| N-Nitrosodiphenylamine                | 0.605 | 0.0965                                    | "         | 0.964 | ND     | 62.7 | 10-177                          |          |  |  |  |
| Pentachlorophenol                     | 0.620 | 0.0965                                    | "         | 0.964 | ND     | 64.3 | 10-153                          |          |  |  |  |
| Phenanthrene                          | 0.553 | 0.0965                                    | "         | 0.964 | 0.0656 | 50.6 | 10-148                          |          |  |  |  |
| Phenol                                | 0.517 | 0.0965                                    | "         | 0.964 | ND     | 53.7 | 10-126                          |          |  |  |  |
| Pyrene                                | 0.544 | 0.0965                                    | "         | 0.964 | 0.0957 | 46.6 | 10-165                          |          |  |  |  |
| Surrogate: SURR: 2-Fluorophenol       | 1.01  |                                           | "         | 1.93  |        | 52.2 | 20-108                          |          |  |  |  |
| Surrogate: SURR: Phenol-d5            | 1.01  |                                           | "         | 1.93  |        | 52.4 | 23-114                          |          |  |  |  |
| Surrogate: SURR: Nitrobenzene-d5      | 0.508 |                                           | "         | 0.964 |        | 52.7 | 22-108                          |          |  |  |  |
| Surrogate: SURR: 2-Fluorobiphenyl     | 0.517 |                                           | "         | 0.964 |        | 53.7 | 21-113                          |          |  |  |  |
| Surrogate: SURR: 2,4,6-Tribromophenol | 1.38  |                                           | "         | 1.93  |        | 71.6 | 19-110                          |          |  |  |  |
| Surrogate: SURR: Terphenyl-d14        | 0.655 |                                           | "         | 0.964 |        | 67.9 | 24-116                          |          |  |  |  |



## Semivolatile Organic Compounds by GC/MS - Quality Control Data

### York Analytical Laboratories, Inc. - Stratford

| Analyte                                | Result                                               | Reporting Limit | Units     | Spike Level | Source* Result | %REC | %REC Limits                                | Flag     | RPD   | RPD Limit | Flag |
|----------------------------------------|------------------------------------------------------|-----------------|-----------|-------------|----------------|------|--------------------------------------------|----------|-------|-----------|------|
| <b>Batch BA30535 - EPA 3550C</b>       |                                                      |                 |           |             |                |      |                                            |          |       |           |      |
| <b>Matrix Spike Dup (BA30535-MSD1)</b> | <b>*Source sample: 23A0400-01 (Matrix Spike Dup)</b> |                 |           |             |                |      | <b>Prepared &amp; Analyzed: 01/12/2023</b> |          |       |           |      |
| 1,1-Biphenyl                           | 0.496                                                | 0.0965          | mg/kg dry | 0.964       | ND             | 51.4 | 10-130                                     |          | 3.51  | 30        |      |
| 1,2,4,5-Tetrachlorobenzene             | 0.555                                                | 0.193           | "         | 0.964       | ND             | 57.6 | 10-133                                     |          | 4.48  | 30        |      |
| 1,2,4-Trichlorobenzene                 | 0.499                                                | 0.0965          | "         | 0.964       | ND             | 51.8 | 10-127                                     |          | 5.27  | 30        |      |
| 1,2-Dichlorobenzene                    | 0.402                                                | 0.0965          | "         | 0.964       | ND             | 41.7 | 14-111                                     |          | 14.3  | 30        |      |
| 1,2-Diphenylhydrazine (as Azobenzene)  | 0.352                                                | 0.0965          | "         | 0.964       | ND             | 36.6 | 10-144                                     |          | 2.21  | 30        |      |
| 1,3-Dichlorobenzene                    | 0.389                                                | 0.0965          | "         | 0.964       | ND             | 40.3 | 11-111                                     |          | 15.0  | 30        |      |
| 1,4-Dichlorobenzene                    | 0.396                                                | 0.0965          | "         | 0.964       | ND             | 41.1 | 10-106                                     |          | 11.2  | 30        |      |
| 2,3,4,6-Tetrachlorophenol              | 0.661                                                | 0.193           | "         | 0.964       | ND             | 68.6 | 30-130                                     |          | 6.22  | 30        |      |
| 2,4,5-Trichlorophenol                  | 0.564                                                | 0.0965          | "         | 0.964       | ND             | 58.5 | 10-127                                     |          | 4.28  | 30        |      |
| 2,4,6-Trichlorophenol                  | 0.592                                                | 0.0965          | "         | 0.964       | ND             | 61.4 | 10-132                                     |          | 2.32  | 30        |      |
| 2,4-Dichlorophenol                     | 0.604                                                | 0.0965          | "         | 0.964       | ND             | 62.6 | 10-128                                     |          | 3.24  | 30        |      |
| 2,4-Dimethylphenol                     | 0.575                                                | 0.0965          | "         | 0.964       | ND             | 59.7 | 10-137                                     |          | 2.03  | 30        |      |
| 2,4-Dinitrophenol                      | ND                                                   | 0.193           | "         | 0.964       | ND             |      | 10-171                                     | Low Bias |       | 30        |      |
| 2,4-Dinitrotoluene                     | 0.422                                                | 0.0965          | "         | 0.964       | ND             | 43.8 | 16-135                                     |          | 1.09  | 30        |      |
| 2,6-Dinitrotoluene                     | 0.513                                                | 0.0965          | "         | 0.964       | ND             | 53.2 | 18-131                                     |          | 0.301 | 30        |      |
| 2-Chloronaphthalene                    | 0.485                                                | 0.0965          | "         | 0.964       | ND             | 50.3 | 10-129                                     |          | 5.71  | 30        |      |
| 2-Chlorophenol                         | 0.510                                                | 0.0965          | "         | 0.964       | ND             | 52.9 | 15-116                                     |          | 1.35  | 30        |      |
| 2-Methylnaphthalene                    | 0.512                                                | 0.0965          | "         | 0.964       | ND             | 53.1 | 10-147                                     |          | 3.55  | 30        |      |
| 2-Methylphenol                         | 0.528                                                | 0.0965          | "         | 0.964       | ND             | 54.8 | 10-136                                     |          | 1.45  | 30        |      |
| 2-Nitroaniline                         | 0.630                                                | 0.193           | "         | 0.964       | ND             | 65.4 | 10-137                                     |          | 1.70  | 30        |      |
| 2-Nitrophenol                          | 0.331                                                | 0.0965          | "         | 0.964       | ND             | 34.3 | 10-129                                     |          | 5.02  | 30        |      |
| 3- & 4-Methylphenols                   | 0.479                                                | 0.0965          | "         | 0.964       | ND             | 49.7 | 10-123                                     |          | 3.17  | 30        |      |
| 3,3-Dichlorobenzidine                  | 0.517                                                | 0.0965          | "         | 0.964       | ND             | 53.7 | 10-155                                     |          | 8.15  | 30        |      |
| 3-Nitroaniline                         | 0.669                                                | 0.193           | "         | 0.964       | ND             | 69.4 | 12-133                                     |          | 2.95  | 30        |      |
| 4,6-Dinitro-2-methylphenol             | ND                                                   | 0.193           | "         | 0.964       | ND             |      | 10-155                                     | Low Bias |       | 30        |      |
| 4-Bromophenyl phenyl ether             | 0.539                                                | 0.0965          | "         | 0.964       | ND             | 55.9 | 14-128                                     |          | 4.75  | 30        |      |
| 4-Chloro-3-methylphenol                | 0.568                                                | 0.0965          | "         | 0.964       | ND             | 59.0 | 10-134                                     |          | 2.94  | 30        |      |
| 4-Chloroaniline                        | 0.543                                                | 0.0965          | "         | 0.964       | ND             | 56.3 | 10-145                                     |          | 2.15  | 30        |      |
| 4-Chlorophenyl phenyl ether            | 0.501                                                | 0.0965          | "         | 0.964       | ND             | 52.0 | 14-130                                     |          | 10.2  | 30        |      |
| 4-Nitroaniline                         | 0.643                                                | 0.193           | "         | 0.964       | ND             | 66.7 | 10-147                                     |          | 4.00  | 30        |      |
| 4-Nitrophenol                          | 0.483                                                | 0.193           | "         | 0.964       | ND             | 50.2 | 10-137                                     |          | 1.45  | 30        |      |
| Acenaphthene                           | 0.485                                                | 0.0965          | "         | 0.964       | ND             | 50.3 | 10-146                                     |          | 6.16  | 30        |      |
| Acenaphthylene                         | 0.459                                                | 0.0965          | "         | 0.964       | ND             | 47.6 | 10-134                                     |          | 5.40  | 30        |      |
| Acetophenone                           | 0.507                                                | 0.0965          | "         | 0.964       | ND             | 52.6 | 10-116                                     |          | 1.66  | 30        |      |
| Aniline                                | 0.507                                                | 0.386           | "         | 0.964       | ND             | 52.6 | 10-123                                     |          | 0.908 | 30        |      |
| Anthracene                             | 0.526                                                | 0.0965          | "         | 0.964       | ND             | 54.6 | 10-142                                     |          | 7.07  | 30        |      |
| Atrazine                               | 0.581                                                | 0.0965          | "         | 0.964       | ND             | 60.3 | 19-115                                     |          | 0.133 | 30        |      |
| Benzaldehyde                           | 0.463                                                | 0.0965          | "         | 0.964       | ND             | 48.0 | 10-125                                     |          | 0.995 | 30        |      |
| Benzo(a)anthracene                     | 0.528                                                | 0.0965          | "         | 0.964       | 0.0490         | 49.7 | 10-158                                     |          | 5.12  | 30        |      |
| Benzo(a)pyrene                         | 0.459                                                | 0.0965          | "         | 0.964       | 0.0497         | 42.4 | 10-180                                     |          | 0.837 | 30        |      |
| Benzo(b)fluoranthene                   | 0.498                                                | 0.0965          | "         | 0.964       | ND             | 51.7 | 10-200                                     |          | 2.30  | 30        |      |
| Benzo(g,h,i)perylene                   | 0.450                                                | 0.0965          | "         | 0.964       | ND             | 46.6 | 10-138                                     |          | 9.63  | 30        |      |
| Benzo(k)fluoranthene                   | 0.482                                                | 0.0965          | "         | 0.964       | 0.0497         | 44.8 | 10-197                                     |          | 1.74  | 30        |      |
| Benzoic acid                           | ND                                                   | 0.0965          | "         | 0.964       | ND             |      | 10-166                                     | Low Bias |       | 30        |      |
| Benzyl alcohol                         | 0.496                                                | 0.0965          | "         | 0.964       | ND             | 51.4 | 12-124                                     |          | 3.96  | 30        |      |
| Benzyl butyl phthalate                 | 0.518                                                | 0.0965          | "         | 0.964       | ND             | 53.8 | 10-154                                     |          | 12.6  | 30        |      |
| Bis(2-chloroethoxy)methane             | 0.530                                                | 0.0965          | "         | 0.964       | ND             | 55.0 | 10-132                                     |          | 1.47  | 30        |      |
| Bis(2-chloroethyl)ether                | 0.462                                                | 0.0965          | "         | 0.964       | ND             | 47.9 | 10-119                                     |          | 1.33  | 30        |      |
| Bis(2-chloroisopropyl)ether            | 0.455                                                | 0.0965          | "         | 0.964       | ND             | 47.2 | 10-139                                     |          | 4.31  | 30        |      |
| Bis(2-ethylhexyl)phthalate             | 0.568                                                | 0.0965          | "         | 0.964       | ND             | 59.0 | 10-167                                     |          | 5.67  | 30        |      |
| Caprolactam                            | 0.559                                                | 0.193           | "         | 0.964       | ND             | 58.0 | 10-132                                     |          | 7.18  | 30        |      |



## Semivolatile Organic Compounds by GC/MS - Quality Control Data

### York Analytical Laboratories, Inc. - Stratford

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

#### Batch BA30535 - EPA 3550C

| Matrix Spike Dup (BA30535-MSD1)       | *Source sample: 23A0400-01 (Matrix Spike Dup) |        |           |       |        | Prepared & Analyzed: 01/12/2023 |        |          |       |    |  |
|---------------------------------------|-----------------------------------------------|--------|-----------|-------|--------|---------------------------------|--------|----------|-------|----|--|
| Carbazole                             | 0.557                                         | 0.0965 | mg/kg dry | 0.964 | ND     | 57.8                            | 10-167 |          | 1.10  | 30 |  |
| Chrysene                              | 0.496                                         | 0.0965 | "         | 0.964 | 0.0535 | 45.9                            | 10-156 |          | 4.56  | 30 |  |
| Dibenzo(a,h)anthracene                | 0.478                                         | 0.0965 | "         | 0.964 | ND     | 49.6                            | 10-137 |          | 7.00  | 30 |  |
| Dibenzofuran                          | 0.489                                         | 0.0965 | "         | 0.964 | ND     | 50.7                            | 10-147 |          | 8.75  | 30 |  |
| Diethyl phthalate                     | 0.495                                         | 0.0965 | "         | 0.964 | ND     | 51.4                            | 20-120 |          | 5.90  | 30 |  |
| Dimethyl phthalate                    | 0.536                                         | 0.0965 | "         | 0.964 | ND     | 55.6                            | 18-131 |          | 2.28  | 30 |  |
| Di-n-butyl phthalate                  | 0.525                                         | 0.0965 | "         | 0.964 | ND     | 54.5                            | 10-137 |          | 5.01  | 30 |  |
| Di-n-octyl phthalate                  | 0.562                                         | 0.0965 | "         | 0.964 | ND     | 58.3                            | 10-180 |          | 2.71  | 30 |  |
| Fluoranthene                          | 0.480                                         | 0.0965 | "         | 0.964 | 0.0919 | 40.3                            | 10-160 |          | 3.93  | 30 |  |
| Fluorene                              | 0.483                                         | 0.0965 | "         | 0.964 | ND     | 50.2                            | 10-157 |          | 9.71  | 30 |  |
| Hexachlorobenzene                     | 0.520                                         | 0.0965 | "         | 0.964 | ND     | 53.9                            | 10-137 |          | 1.47  | 30 |  |
| Hexachlorobutadiene                   | 0.452                                         | 0.0965 | "         | 0.964 | ND     | 46.9                            | 10-132 |          | 7.08  | 30 |  |
| Hexachlorocyclopentadiene             | ND                                            | 0.0965 | "         | 0.964 | ND     |                                 | 10-106 | Low Bias |       | 30 |  |
| Hexachloroethane                      | 0.204                                         | 0.0965 | "         | 0.964 | ND     | 21.1                            | 10-110 |          | 14.1  | 30 |  |
| Indeno(1,2,3-cd)pyrene                | 0.578                                         | 0.0965 | "         | 0.964 | ND     | 59.9                            | 10-144 |          | 9.05  | 30 |  |
| Isophorone                            | 0.561                                         | 0.0965 | "         | 0.964 | ND     | 58.2                            | 10-132 |          | 1.25  | 30 |  |
| Naphthalene                           | 0.502                                         | 0.0965 | "         | 0.964 | ND     | 52.1                            | 10-141 |          | 2.28  | 30 |  |
| Nitrobenzene                          | 0.520                                         | 0.0965 | "         | 0.964 | ND     | 54.0                            | 10-131 |          | 1.64  | 30 |  |
| N-Nitrosodimethylamine                | 0.408                                         | 0.0965 | "         | 0.964 | ND     | 42.3                            | 10-126 |          | 2.06  | 30 |  |
| N-nitroso-di-n-propylamine            | 0.486                                         | 0.0965 | "         | 0.964 | ND     | 50.4                            | 10-125 |          | 4.20  | 30 |  |
| N-Nitrosodiphenylamine                | 0.586                                         | 0.0965 | "         | 0.964 | ND     | 60.8                            | 10-177 |          | 3.11  | 30 |  |
| Pentachlorophenol                     | 0.639                                         | 0.0965 | "         | 0.964 | ND     | 66.3                            | 10-153 |          | 3.06  | 30 |  |
| Phenanthrene                          | 0.513                                         | 0.0965 | "         | 0.964 | 0.0656 | 46.4                            | 10-148 |          | 7.53  | 30 |  |
| Phenol                                | 0.515                                         | 0.0965 | "         | 0.964 | ND     | 53.4                            | 10-126 |          | 0.448 | 30 |  |
| Pyrene                                | 0.500                                         | 0.0965 | "         | 0.964 | 0.0957 | 41.9                            | 10-165 |          | 8.57  | 30 |  |
| Surrogate: SURR: 2-Fluorophenol       | 0.958                                         |        | "         | 1.93  |        | 49.7                            | 20-108 |          |       |    |  |
| Surrogate: SURR: Phenol-d5            | 0.938                                         |        | "         | 1.93  |        | 48.7                            | 23-114 |          |       |    |  |
| Surrogate: SURR: Nitrobenzene-d5      | 0.502                                         |        | "         | 0.964 |        | 52.1                            | 22-108 |          |       |    |  |
| Surrogate: SURR: 2-Fluorobiphenyl     | 0.503                                         |        | "         | 0.964 |        | 52.2                            | 21-113 |          |       |    |  |
| Surrogate: SURR: 2,4,6-Tribromophenol | 1.34                                          |        | "         | 1.93  |        | 69.4                            | 19-110 |          |       |    |  |
| Surrogate: SURR: Terphenyl-d14        | 0.581                                         |        | "         | 0.964 |        | 60.2                            | 24-116 |          |       |    |  |



## Organochlorine Pesticides by GC/ECD - Quality Control Data

### York Analytical Laboratories, Inc. - Stratford

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

#### Batch BA30462 - EPA 3550C

##### Blank (BA30462-BLK1)

Prepared: 01/11/2023 Analyzed: 01/12/2023

|                                 |        |         |           |        |  |      |        |  |  |  |  |
|---------------------------------|--------|---------|-----------|--------|--|------|--------|--|--|--|--|
| 4,4'-DDD                        | ND     | 0.00164 | mg/kg wet |        |  |      |        |  |  |  |  |
| 4,4'-DDE                        | ND     | 0.00164 | "         |        |  |      |        |  |  |  |  |
| 4,4'-DDT                        | ND     | 0.00164 | "         |        |  |      |        |  |  |  |  |
| Aldrin                          | ND     | 0.00164 | "         |        |  |      |        |  |  |  |  |
| alpha-BHC                       | ND     | 0.00164 | "         |        |  |      |        |  |  |  |  |
| alpha-Chlordane                 | ND     | 0.00164 | "         |        |  |      |        |  |  |  |  |
| beta-BHC                        | ND     | 0.00164 | "         |        |  |      |        |  |  |  |  |
| Chlordane, total                | ND     | 0.0329  | "         |        |  |      |        |  |  |  |  |
| delta-BHC                       | ND     | 0.00164 | "         |        |  |      |        |  |  |  |  |
| Dieldrin                        | ND     | 0.00164 | "         |        |  |      |        |  |  |  |  |
| Endosulfan I                    | ND     | 0.00164 | "         |        |  |      |        |  |  |  |  |
| Endosulfan II                   | ND     | 0.00164 | "         |        |  |      |        |  |  |  |  |
| Endosulfan sulfate              | ND     | 0.00164 | "         |        |  |      |        |  |  |  |  |
| Endrin                          | ND     | 0.00164 | "         |        |  |      |        |  |  |  |  |
| Endrin aldehyde                 | ND     | 0.00164 | "         |        |  |      |        |  |  |  |  |
| Endrin ketone                   | ND     | 0.00164 | "         |        |  |      |        |  |  |  |  |
| gamma-BHC (Lindane)             | ND     | 0.00164 | "         |        |  |      |        |  |  |  |  |
| gamma-Chlordane                 | ND     | 0.00164 | "         |        |  |      |        |  |  |  |  |
| Heptachlor                      | ND     | 0.00164 | "         |        |  |      |        |  |  |  |  |
| Heptachlor epoxide              | ND     | 0.00164 | "         |        |  |      |        |  |  |  |  |
| Methoxychlor                    | ND     | 0.00822 | "         |        |  |      |        |  |  |  |  |
| Toxaphene                       | ND     | 0.0832  | "         |        |  |      |        |  |  |  |  |
| Surrogate: Decachlorobiphenyl   | 0.0656 |         | "         | 0.0664 |  | 98.7 | 30-150 |  |  |  |  |
| Surrogate: Tetrachloro-m-xylene | 0.0718 |         | "         | 0.0664 |  | 108  | 30-150 |  |  |  |  |

##### LCS (BA30462-BS1)

Prepared: 01/11/2023 Analyzed: 01/12/2023

|                                 |        |         |           |        |  |      |        |  |  |  |  |
|---------------------------------|--------|---------|-----------|--------|--|------|--------|--|--|--|--|
| 4,4'-DDD                        | 0.0303 | 0.00165 | mg/kg wet | 0.0333 |  | 90.8 | 40-140 |  |  |  |  |
| 4,4'-DDE                        | 0.0305 | 0.00165 | "         | 0.0333 |  | 91.4 | 40-140 |  |  |  |  |
| 4,4'-DDT                        | 0.0234 | 0.00165 | "         | 0.0333 |  | 70.1 | 40-140 |  |  |  |  |
| Aldrin                          | 0.0300 | 0.00165 | "         | 0.0333 |  | 90.0 | 40-140 |  |  |  |  |
| alpha-BHC                       | 0.0259 | 0.00165 | "         | 0.0333 |  | 77.7 | 40-140 |  |  |  |  |
| alpha-Chlordane                 | 0.0317 | 0.00165 | "         | 0.0333 |  | 95.0 | 40-140 |  |  |  |  |
| beta-BHC                        | 0.0320 | 0.00165 | "         | 0.0333 |  | 95.9 | 40-140 |  |  |  |  |
| delta-BHC                       | 0.0286 | 0.00165 | "         | 0.0333 |  | 85.8 | 40-140 |  |  |  |  |
| Dieldrin                        | 0.0325 | 0.00165 | "         | 0.0333 |  | 97.4 | 40-140 |  |  |  |  |
| Endosulfan I                    | 0.0332 | 0.00165 | "         | 0.0333 |  | 99.5 | 40-140 |  |  |  |  |
| Endosulfan II                   | 0.0317 | 0.00165 | "         | 0.0333 |  | 95.1 | 40-140 |  |  |  |  |
| Endosulfan sulfate              | 0.0296 | 0.00165 | "         | 0.0333 |  | 88.7 | 40-140 |  |  |  |  |
| Endrin                          | 0.0285 | 0.00165 | "         | 0.0333 |  | 85.4 | 40-140 |  |  |  |  |
| Endrin aldehyde                 | 0.0311 | 0.00165 | "         | 0.0333 |  | 93.4 | 40-140 |  |  |  |  |
| Endrin ketone                   | 0.0307 | 0.00165 | "         | 0.0333 |  | 92.1 | 40-140 |  |  |  |  |
| gamma-BHC (Lindane)             | 0.0306 | 0.00165 | "         | 0.0333 |  | 91.7 | 40-140 |  |  |  |  |
| gamma-Chlordane                 | 0.0322 | 0.00165 | "         | 0.0333 |  | 96.8 | 40-140 |  |  |  |  |
| Heptachlor                      | 0.0290 | 0.00165 | "         | 0.0333 |  | 86.9 | 40-140 |  |  |  |  |
| Heptachlor epoxide              | 0.0330 | 0.00165 | "         | 0.0333 |  | 98.9 | 40-140 |  |  |  |  |
| Methoxychlor                    | 0.0236 | 0.00825 | "         | 0.0333 |  | 70.7 | 40-140 |  |  |  |  |
| Surrogate: Decachlorobiphenyl   | 0.0584 |         | "         | 0.0667 |  | 87.6 | 30-150 |  |  |  |  |
| Surrogate: Tetrachloro-m-xylene | 0.0677 |         | "         | 0.0667 |  | 102  | 30-150 |  |  |  |  |



## Polychlorinated Biphenyls by GC/ECD - Quality Control Data

### York Analytical Laboratories, Inc. - Stratford

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

#### Batch BA30462 - EPA 3550C

##### Blank (BA30462-BLK2)

Prepared & Analyzed: 01/11/2023

|                                 |        |        |           |        |  |      |        |  |  |  |  |
|---------------------------------|--------|--------|-----------|--------|--|------|--------|--|--|--|--|
| Aroclor 1016                    | ND     | 0.0166 | mg/kg wet |        |  |      |        |  |  |  |  |
| Aroclor 1221                    | ND     | 0.0166 | "         |        |  |      |        |  |  |  |  |
| Aroclor 1232                    | ND     | 0.0166 | "         |        |  |      |        |  |  |  |  |
| Aroclor 1242                    | ND     | 0.0166 | "         |        |  |      |        |  |  |  |  |
| Aroclor 1248                    | ND     | 0.0166 | "         |        |  |      |        |  |  |  |  |
| Aroclor 1254                    | ND     | 0.0166 | "         |        |  |      |        |  |  |  |  |
| Aroclor 1260                    | ND     | 0.0166 | "         |        |  |      |        |  |  |  |  |
| Total PCBs                      | ND     | 0.0166 | "         |        |  |      |        |  |  |  |  |
| Surrogate: Tetrachloro-m-xylene | 0.0711 |        | "         | 0.0664 |  | 107  | 30-140 |  |  |  |  |
| Surrogate: Decachlorobiphenyl   | 0.0651 |        | "         | 0.0664 |  | 98.0 | 30-140 |  |  |  |  |

##### LCS (BA30462-BS2)

Prepared & Analyzed: 01/11/2023

|                                 |        |        |           |        |  |     |        |  |  |  |  |
|---------------------------------|--------|--------|-----------|--------|--|-----|--------|--|--|--|--|
| Aroclor 1016                    | 0.350  | 0.0167 | mg/kg wet | 0.333  |  | 105 | 40-130 |  |  |  |  |
| Aroclor 1260                    | 0.385  | 0.0167 | "         | 0.333  |  | 115 | 40-130 |  |  |  |  |
| Surrogate: Tetrachloro-m-xylene | 0.0673 |        | "         | 0.0667 |  | 101 | 30-140 |  |  |  |  |
| Surrogate: Decachlorobiphenyl   | 0.0720 |        | "         | 0.0667 |  | 108 | 30-140 |  |  |  |  |

##### Matrix Spike (BA30462-MS2)

\*Source sample: 23A0402-02 (Matrix Spike)

Prepared: 01/11/2023 Analyzed: 01/12/2023

|                                 |        |        |           |        |    |      |        |  |  |  |  |
|---------------------------------|--------|--------|-----------|--------|----|------|--------|--|--|--|--|
| Aroclor 1016                    | 0.435  | 0.0211 | mg/kg dry | 0.422  | ND | 103  | 40-140 |  |  |  |  |
| Aroclor 1260                    | 0.472  | 0.0211 | "         | 0.422  | ND | 112  | 40-140 |  |  |  |  |
| Surrogate: Tetrachloro-m-xylene | 0.0763 |        | "         | 0.0844 |    | 90.5 | 30-140 |  |  |  |  |
| Surrogate: Decachlorobiphenyl   | 0.0742 |        | "         | 0.0844 |    | 88.0 | 30-140 |  |  |  |  |

##### Matrix Spike Dup (BA30462-MSD2)

\*Source sample: 23A0402-02 (Matrix Spike Dup)

Prepared: 01/11/2023 Analyzed: 01/12/2023

|                                 |        |        |           |        |    |      |        |      |    |  |  |
|---------------------------------|--------|--------|-----------|--------|----|------|--------|------|----|--|--|
| Aroclor 1016                    | 0.426  | 0.0211 | mg/kg dry | 0.422  | ND | 101  | 40-140 | 1.98 | 50 |  |  |
| Aroclor 1260                    | 0.440  | 0.0211 | "         | 0.422  | ND | 104  | 40-140 | 6.81 | 50 |  |  |
| Surrogate: Tetrachloro-m-xylene | 0.0772 |        | "         | 0.0844 |    | 91.5 | 30-140 |      |    |  |  |
| Surrogate: Decachlorobiphenyl   | 0.0713 |        | "         | 0.0844 |    | 84.5 | 30-140 |      |    |  |  |





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

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

Batch BA30653 - EPA 3050B

Blank (BA30653-BLK1)

Prepared: 01/13/2023 Analyzed: 01/16/2023

|           |    |       |           |
|-----------|----|-------|-----------|
| Aluminum  | ND | 4.17  | mg/kg wet |
| Antimony  | ND | 2.08  | "         |
| Arsenic   | ND | 1.25  | "         |
| Barium    | ND | 2.08  | "         |
| Beryllium | ND | 0.042 | "         |
| Cadmium   | ND | 0.250 | "         |
| Calcium   | ND | 4.17  | "         |
| Chromium  | ND | 0.417 | "         |
| Cobalt    | ND | 0.333 | "         |
| Copper    | ND | 1.67  | "         |
| Iron      | ND | 20.8  | "         |
| Lead      | ND | 0.417 | "         |
| Magnesium | ND | 4.17  | "         |
| Manganese | ND | 0.417 | "         |
| Nickel    | ND | 0.830 | "         |
| Potassium | ND | 4.17  | "         |
| Selenium  | ND | 2.08  | "         |
| Silver    | ND | 0.420 | "         |
| Sodium    | ND | 41.7  | "         |
| Thallium  | ND | 2.08  | "         |
| Vanadium  | ND | 0.830 | "         |
| Zinc      | ND | 2.08  | "         |

Duplicate (BA30653-DUP1)

\*Source sample: 23A0574-03 (Duplicate)

Prepared: 01/13/2023 Analyzed: 01/16/2023

|           |       |       |           |       |       |    |          |
|-----------|-------|-------|-----------|-------|-------|----|----------|
| Aluminum  | 9440  | 4.54  | mg/kg dry | 9200  | 2.60  | 35 |          |
| Antimony  | ND    | 2.27  | "         | 5.38  |       | 35 |          |
| Arsenic   | 3.97  | 1.36  | "         | 38.3  | 162   | 35 | Non-dir. |
| Barium    | 161   | 2.27  | "         | 119   | 30.1  | 35 |          |
| Beryllium | 0.758 | 0.046 | "         | 0.752 | 0.719 | 35 |          |
| Cadmium   | 1.38  | 0.272 | "         | 1.11  | 22.1  | 35 |          |
| Calcium   | 16600 | 4.54  | "         | 16700 | 0.660 | 35 |          |
| Chromium  | 25.4  | 0.454 | "         | 64.3  | 86.7  | 35 | Non-dir. |
| Cobalt    | 8.21  | 0.363 | "         | 7.72  | 6.17  | 35 |          |
| Copper    | 111   | 1.82  | "         | 58.4  | 62.3  | 35 | Non-dir. |
| Iron      | 19700 | 22.7  | "         | 32100 | 47.9  | 35 | Non-dir. |
| Lead      | 266   | 0.454 | "         | 221   | 18.3  | 35 |          |
| Magnesium | 5980  | 4.54  | "         | 6970  | 15.3  | 35 |          |
| Manganese | 312   | 0.454 | "         | 315   | 0.924 | 35 |          |
| Nickel    | 29.0  | 0.904 | "         | 27.5  | 5.34  | 35 |          |
| Potassium | 1520  | 4.54  | "         | 1360  | 10.7  | 35 |          |
| Selenium  | ND    | 2.27  | "         | ND    |       | 35 |          |
| Silver    | ND    | 0.458 | "         | ND    |       | 35 |          |
| Sodium    | 404   | 45.4  | "         | 362   | 11.1  | 35 |          |
| Thallium  | ND    | 2.27  | "         | ND    |       | 35 |          |
| Vanadium  | 27.7  | 0.904 | "         | 31.0  | 11.2  | 35 |          |
| Zinc      | 430   | 2.26  | "         | 297   | 36.9  | 35 | Non-dir. |



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

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

**Batch BA30653 - EPA 3050B**

| <b>Matrix Spike (BA30653-MS1)</b> |       | <b>*Source sample: 23A0574-03 (Matrix Spike)</b> |           |      |       |      | <b>Prepared: 01/13/2023 Analyzed: 01/16/2023</b> |          |  |  |  |
|-----------------------------------|-------|--------------------------------------------------|-----------|------|-------|------|--------------------------------------------------|----------|--|--|--|
| Aluminum                          | 9210  | 4.54                                             | mg/kg dry | 182  | 9200  | 7.89 | 75-125                                           | Low Bias |  |  |  |
| Antimony                          | 7.66  | 2.27                                             | "         | 22.7 | 5.38  | 10.0 | 75-125                                           | Low Bias |  |  |  |
| Arsenic                           | 186   | 1.36                                             | "         | 182  | 38.3  | 81.4 | 75-125                                           |          |  |  |  |
| Barium                            | 298   | 2.27                                             | "         | 182  | 119   | 98.4 | 75-125                                           |          |  |  |  |
| Beryllium                         | 5.16  | 0.046                                            | "         | 4.54 | 0.752 | 97.0 | 75-125                                           |          |  |  |  |
| Cadmium                           | 5.37  | 0.272                                            | "         | 4.54 | 1.11  | 93.9 | 75-125                                           |          |  |  |  |
| Calcium                           | 14200 | 4.54                                             | "         | 90.8 | 16700 | NR   | 75-125                                           | Low Bias |  |  |  |
| Chromium                          | 38.9  | 0.454                                            | "         | 18.2 | 64.3  | NR   | 75-125                                           | Low Bias |  |  |  |
| Cobalt                            | 53.6  | 0.363                                            | "         | 45.4 | 7.72  | 101  | 75-125                                           |          |  |  |  |
| Copper                            | 74.1  | 1.82                                             | "         | 22.7 | 58.4  | 69.4 | 75-125                                           | Low Bias |  |  |  |
| Iron                              | 18100 | 22.7                                             | "         | 90.8 | 32100 | NR   | 75-125                                           | Low Bias |  |  |  |
| Lead                              | 257   | 0.454                                            | "         | 45.4 | 221   | 77.5 | 75-125                                           |          |  |  |  |
| Magnesium                         | 5160  | 4.54                                             | "         | 90.8 | 6970  | NR   | 75-125                                           | Low Bias |  |  |  |
| Manganese                         | 346   | 0.454                                            | "         | 45.4 | 315   | 69.5 | 75-125                                           | Low Bias |  |  |  |
| Nickel                            | 70.6  | 0.904                                            | "         | 45.4 | 27.5  | 95.0 | 75-125                                           |          |  |  |  |
| Potassium                         | 1430  | 4.54                                             | "         | 90.8 | 1360  | 71.5 | 75-125                                           | Low Bias |  |  |  |
| Selenium                          | 123   | 2.27                                             | "         | 182  | ND    | 67.8 | 75-125                                           | Low Bias |  |  |  |
| Silver                            | ND    | 0.458                                            | "         | 4.54 | ND    |      | 75-125                                           | Low Bias |  |  |  |
| Sodium                            | 426   | 45.4                                             | "         | 90.8 | 362   | 70.5 | 75-125                                           | Low Bias |  |  |  |
| Thallium                          | 164   | 2.27                                             | "         | 182  | ND    | 90.2 | 75-125                                           |          |  |  |  |
| Vanadium                          | 71.7  | 0.904                                            | "         | 45.4 | 31.0  | 89.7 | 75-125                                           |          |  |  |  |
| Zinc                              | 298   | 2.26                                             | "         | 45.4 | 297   | 3.13 | 75-125                                           | Low Bias |  |  |  |

| <b>Post Spike (BA30653-PS1)</b> |        | <b>*Source sample: 23A0574-03 (Post Spike)</b> |       |        |        |      | <b>Prepared: 01/13/2023 Analyzed: 01/16/2023</b> |           |  |  |  |
|---------------------------------|--------|------------------------------------------------|-------|--------|--------|------|--------------------------------------------------|-----------|--|--|--|
| Aluminum                        | 102    |                                                | ug/mL | 2.00   | 101    | 51.9 | 75-125                                           | Low Bias  |  |  |  |
| Antimony                        | 0.325  |                                                | "     | 0.250  | 0.059  | 106  | 75-125                                           |           |  |  |  |
| Arsenic                         | 2.66   |                                                | "     | 2.00   | 0.422  | 112  | 75-125                                           |           |  |  |  |
| Barium                          | 3.47   |                                                | "     | 2.00   | 1.31   | 108  | 75-125                                           |           |  |  |  |
| Beryllium                       | 0.061  |                                                | "     | 0.0500 | 0.008  | 105  | 75-125                                           |           |  |  |  |
| Cadmium                         | 0.066  |                                                | "     | 0.0500 | 0.012  | 108  | 75-125                                           |           |  |  |  |
| Calcium                         | 187    |                                                | "     | 1.00   | 184    | 278  | 75-125                                           | High Bias |  |  |  |
| Chromium                        | 0.904  |                                                | "     | 0.200  | 0.708  | 98.0 | 75-125                                           |           |  |  |  |
| Cobalt                          | 0.629  |                                                | "     | 0.500  | 0.085  | 109  | 75-125                                           |           |  |  |  |
| Copper                          | 0.911  |                                                | "     | 0.250  | 0.643  | 107  | 75-125                                           |           |  |  |  |
| Iron                            | 355    |                                                | "     | 1.00   | 354    | 82.2 | 75-125                                           |           |  |  |  |
| Lead                            | 3.02   |                                                | "     | 0.500  | 2.44   | 115  | 75-125                                           |           |  |  |  |
| Magnesium                       | 78.1   |                                                | "     | 1.00   | 76.8   | 132  | 75-125                                           | High Bias |  |  |  |
| Manganese                       | 3.99   |                                                | "     | 0.500  | 3.46   | 106  | 75-125                                           |           |  |  |  |
| Nickel                          | 0.858  |                                                | "     | 0.500  | 0.303  | 111  | 75-125                                           |           |  |  |  |
| Potassium                       | 16.1   |                                                | "     | 1.00   | 15.0   | 107  | 75-125                                           |           |  |  |  |
| Selenium                        | 1.24   |                                                | "     | 2.00   | -0.571 | 62.1 | 75-125                                           | Low Bias  |  |  |  |
| Silver                          | 0.0006 |                                                | "     | 0.0500 | -0.052 | 1.15 | 75-125                                           | Low Bias  |  |  |  |
| Sodium                          | 4.97   |                                                | "     | 1.00   | 3.98   | 98.3 | 75-125                                           |           |  |  |  |
| Thallium                        | 1.97   |                                                | "     | 2.00   | 0.001  | 98.5 | 75-125                                           |           |  |  |  |
| Vanadium                        | 0.860  |                                                | "     | 0.500  | 0.341  | 104  | 75-125                                           |           |  |  |  |
| Zinc                            | 3.70   |                                                | "     | 0.500  | 3.27   | 86.7 | 75-125                                           |           |  |  |  |



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

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source*<br>Result | %REC<br>Limits | Flag | RPD | RPD<br>Limit | Flag |
|---------|--------|--------------------|-------|----------------|-------------------|----------------|------|-----|--------------|------|
|---------|--------|--------------------|-------|----------------|-------------------|----------------|------|-----|--------------|------|

**Batch BA30653 - EPA 3050B**

**Reference (BA30653-SRM1)**

Prepared: 01/13/2023 Analyzed: 01/16/2023

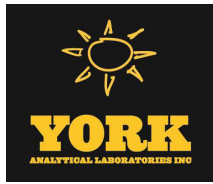
|           |       |       |           |       |  |      |            |  |  |  |
|-----------|-------|-------|-----------|-------|--|------|------------|--|--|--|
| Aluminum  | 8370  | 4.17  | mg/kg wet | 7970  |  | 105  | 49.7-150.6 |  |  |  |
| Antimony  | 70.3  | 2.08  | "         | 136   |  | 51.7 | 20.4-249.3 |  |  |  |
| Arsenic   | 102   | 1.25  | "         | 87.4  |  | 117  | 70-130.4   |  |  |  |
| Barium    | 418   | 2.08  | "         | 347   |  | 120  | 75.2-130.3 |  |  |  |
| Beryllium | 111   | 0.042 | "         | 103   |  | 108  | 74.8-132   |  |  |  |
| Cadmium   | 177   | 0.250 | "         | 160   |  | 110  | 75-145.6   |  |  |  |
| Calcium   | 4460  | 4.17  | "         | 4100  |  | 109  | 71.7-139.3 |  |  |  |
| Chromium  | 250   | 0.417 | "         | 231   |  | 108  | 70.1-134.2 |  |  |  |
| Cobalt    | 269   | 0.333 | "         | 241   |  | 112  | 75.1-141.5 |  |  |  |
| Copper    | 162   | 1.67  | "         | 144   |  | 113  | 75-126.4   |  |  |  |
| Iron      | 15000 | 20.8  | "         | 14200 |  | 106  | 35.3-164.8 |  |  |  |
| Lead      | 296   | 0.417 | "         | 266   |  | 111  | 74.1-125.9 |  |  |  |
| Magnesium | 2480  | 4.17  | "         | 2220  |  | 112  | 61.3-138.7 |  |  |  |
| Manganese | 633   | 0.417 | "         | 555   |  | 114  | 77.3-132.8 |  |  |  |
| Nickel    | 394   | 0.830 | "         | 350   |  | 113  | 70-144     |  |  |  |
| Potassium | 2220  | 4.17  | "         | 1940  |  | 114  | 58.2-141.8 |  |  |  |
| Selenium  | 95.5  | 2.08  | "         | 130   |  | 73.4 | 66.9-133.8 |  |  |  |
| Silver    | 62.2  | 0.420 | "         | 57.1  |  | 109  | 70.2-129.8 |  |  |  |
| Sodium    | 140   | 41.7  | "         | 117   |  | 119  | 30.5-170.1 |  |  |  |
| Thallium  | 80.6  | 2.08  | "         | 75.4  |  | 107  | 64.3-135.3 |  |  |  |
| Vanadium  | 90.9  | 0.830 | "         | 88.6  |  | 103  | 65.6-134.3 |  |  |  |
| Zinc      | 172   | 2.08  | "         | 160   |  | 108  | 70-130     |  |  |  |



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

### York Analytical Laboratories, Inc. - Stratford

| Analyte                                   | Result | Reporting<br>Limit | Units     | Spike<br>Level | Source*<br>Result | %REC | %REC<br>Limits | Flag | RPD | RPD<br>Limit                    | Flag |
|-------------------------------------------|--------|--------------------|-----------|----------------|-------------------|------|----------------|------|-----|---------------------------------|------|
| <b>Batch BA30473 - EPA 7473 soil</b>      |        |                    |           |                |                   |      |                |      |     |                                 |      |
| <b>Blank (BA30473-BLK1)</b>               |        |                    |           |                |                   |      |                |      |     |                                 |      |
|                                           |        |                    |           |                |                   |      |                |      |     | Prepared & Analyzed: 01/11/2023 |      |
| Mercury                                   | ND     | 0.0300             | mg/kg wet |                |                   |      |                |      |     |                                 |      |
| <b>Duplicate (BA30473-DUP1)</b>           |        |                    |           |                |                   |      |                |      |     |                                 |      |
| *Source sample: 23A0400-01 (Duplicate)    |        |                    |           |                |                   |      |                |      |     | Prepared & Analyzed: 01/11/2023 |      |
| Mercury                                   | ND     | 0.0348             | mg/kg dry |                | 0.0388            |      |                |      |     | 35                              |      |
| <b>Matrix Spike (BA30473-MS1)</b>         |        |                    |           |                |                   |      |                |      |     |                                 |      |
| *Source sample: 23A0400-01 (Matrix Spike) |        |                    |           |                |                   |      |                |      |     | Prepared & Analyzed: 01/11/2023 |      |
| Mercury                                   | 0.537  |                    | mg/kg     | 0.500          | 0.0334            | 101  | 75-125         |      |     |                                 |      |
| <b>Reference (BA30473-SRM1)</b>           |        |                    |           |                |                   |      |                |      |     |                                 |      |
|                                           |        |                    |           |                |                   |      |                |      |     | Prepared & Analyzed: 01/11/2023 |      |
| Mercury                                   | 21.510 |                    | mg/kg     | 27.2           |                   | 79.1 | 59.9-140.1     |      |     |                                 |      |



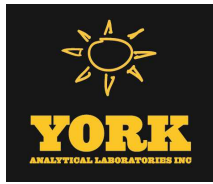
Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source*<br>Result | %REC<br>Limits | Flag | RPD<br>Limit | Flag |
|---------|--------|--------------------|-------|----------------|-------------------|----------------|------|--------------|------|
|---------|--------|--------------------|-------|----------------|-------------------|----------------|------|--------------|------|

Batch BA30437 - % Solids Prep

|                          |      |                                        |   |  |      |  |                                 |      |    |  |  |
|--------------------------|------|----------------------------------------|---|--|------|--|---------------------------------|------|----|--|--|
| Duplicate (BA30437-DUP1) |      | *Source sample: 23A0404-01 (B-3 11-13) |   |  |      |  | Prepared & Analyzed: 01/10/2023 |      |    |  |  |
| % Solids                 | 93.3 | 0.100                                  | % |  | 94.6 |  |                                 | 1.41 | 20 |  |  |



### Volatile Analysis Sample Containers

| Lab ID     | Client Sample ID | Volatile Sample Container         |
|------------|------------------|-----------------------------------|
| 23A0404-01 | B-3 11-13        | 40mL Vial with Stir Bar-Cool 4° C |



### Sample and Data Qualifiers Relating to This Work Order

|        |                                                                                                                                                                                                                             |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| QM-05  | The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable. |
| QL-02  | This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.                          |
| M-SPKM | The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.                                                                                                                  |
| M-PS   | This Element exhibited recovery outside control limits for the Post Spike.                                                                                                                                                  |
| M-DUPS | The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity                                                                                                                      |
| 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.                                                     |
| CCVE   | The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).                                    |

### Definitions and Other Explanations

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

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



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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

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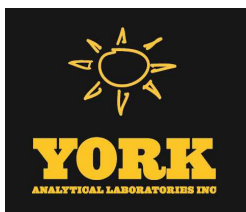
# Field Chain-of-Custody Record

YORK Project No. 23A0906

Page 1 of 1

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

[illegible]



# Technical Report

prepared for:

**Gallagher Bassett - Poughkeepsie, NY**

22 IBM Road, Suite 101  
Poughkeepsie NY, 12601  
**Attention: Erick Salazar**

Report Date: 01/19/2023

**Client Project ID: 21003-0004**

York Project (SDG) No.: 23A0461

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  
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(203) 325-1371



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

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

Report Date: 01/19/2023  
Client Project ID: 21003-0004  
York Project (SDG) No.: 23A0461

**Gallagher Bassett - Poughkeepsie, NY**  
22 IBM Road, Suite 101  
Poughkeepsie NY, 12601  
Attention: Erick Salazar

---

## 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 January 11, 2023 and listed below. The project was identified as your project: **21003-0004**.

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

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

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

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

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

| <u>York Sample ID</u> | <u>Client Sample ID</u> | <u>Matrix</u> | <u>Date Collected</u> | <u>Date Received</u> |
|-----------------------|-------------------------|---------------|-----------------------|----------------------|
| 23A0461-01            | B-8W 0-2                | Soil          | 01/10/2023            | 01/11/2023           |
| 23A0461-02            | B-8W 2-4                | Soil          | 01/10/2023            | 01/11/2023           |
| 23A0461-03            | DUPLICATE               | Soil          | 01/10/2023            | 01/11/2023           |

## **General Notes for York Project (SDG) No.: 23A0461**

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:** 01/19/2023

Cassie L. Mosher  
Laboratory Manager





## Sample Information

**Client Sample ID:** B-8W 0-2

**York Sample ID:** 23A0461-01

**York Project (SDG) No.**

**Client Project ID**

**Matrix**

**Collection Date/Time**

**Date Received**

23A0461

21003-0004

Soil

January 10, 2023 9:57 am

01/11/2023

### Volatile Organics, 8260 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.  | Parameter                                            | Result        | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|------------------------------------------------------|---------------|------|-----------|------------------------|--------|----------|------------------------------|-----------------------|-----------------------|---------|
| 630-20-6 | 1,1,1,2-Tetrachloroethane                            | ND            |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 71-55-6  | 1,1,1-Trichloroethane                                | ND            |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 79-34-5  | 1,1,2,2-Tetrachloroethane                            | ND            |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 76-13-1  | 1,1,2-Trichloro-1,2,2-trifluoroethane<br>(Freon 113) | ND            |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 79-00-5  | 1,1,2-Trichloroethane                                | ND            |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 75-34-3  | 1,1-Dichloroethane                                   | ND            |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 75-35-4  | 1,1-Dichloroethylene                                 | ND            |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 87-61-6  | 1,2,3-Trichlorobenzene                               | ND            |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 96-18-4  | 1,2,3-Trichloropropane                               | ND            |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 120-82-1 | 1,2,4-Trichlorobenzene                               | ND            |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 95-63-6  | <b>1,2,4-Trimethylbenzene</b>                        | <b>0.034</b>  |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 96-12-8  | 1,2-Dibromo-3-chloropropane                          | ND            |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 106-93-4 | 1,2-Dibromoethane                                    | ND            |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 95-50-1  | 1,2-Dichlorobenzene                                  | ND            |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 107-06-2 | 1,2-Dichloroethane                                   | ND            |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 78-87-5  | 1,2-Dichloropropane                                  | ND            |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 108-67-8 | <b>1,3,5-Trimethylbenzene</b>                        | <b>0.0077</b> |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 541-73-1 | 1,3-Dichlorobenzene                                  | ND            |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 106-46-7 | 1,4-Dichlorobenzene                                  | ND            |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 123-91-1 | 1,4-Dioxane                                          | ND            |      | mg/kg dry | 0.044                  | 0.087  | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 78-93-3  | 2-Butanone                                           | ND            |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 591-78-6 | 2-Hexanone                                           | ND            |      | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |



## Sample Information

**Client Sample ID:** B-8W 0-2

**York Sample ID:** 23A0461-01

York Project (SDG) No.  
23A0461

Client Project ID  
21003-0004

Matrix  
Soil

Collection Date/Time  
January 10, 2023 9:57 am

Date Received  
01/11/2023

### Volatile Organics, 8260 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.    | Parameter                 | Result | Flag  | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                                | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|---------------------------|--------|-------|-----------|------------------------|--------|----------|---------------------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 108-10-1   | 4-Methyl-2-pentanone      | 0.016  |       | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 67-64-1    | Acetone                   | 0.0073 | J     | mg/kg dry | 0.0044                 | 0.0087 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 107-02-8   | Acrolein                  | ND     |       | mg/kg dry | 0.0044                 | 0.0087 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 107-13-1   | Acrylonitrile             | ND     |       | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 71-43-2    | Benzene                   | ND     |       | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 74-97-5    | Bromochloromethane        | ND     |       | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP            | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 75-27-4    | Bromodichloromethane      | ND     |       | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 75-25-2    | Bromoform                 | ND     |       | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 74-83-9    | Bromomethane              | ND     |       | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 75-15-0    | Carbon disulfide          | ND     |       | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 56-23-5    | Carbon tetrachloride      | ND     | CAL-E | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 108-90-7   | Chlorobenzene             | ND     |       | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 75-00-3    | Chloroethane              | ND     |       | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 67-66-3    | Chloroform                | ND     |       | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 74-87-3    | Chloromethane             | ND     |       | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 156-59-2   | cis-1,2-Dichloroethylene  | ND     |       | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND     |       | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 110-82-7   | Cyclohexane               | ND     |       | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP            | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 124-48-1   | Dibromochloromethane      | ND     |       | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP            | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 74-95-3    | Dibromomethane            | ND     |       | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP            | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 75-71-8    | Dichlorodifluoromethane   | ND     |       | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP            | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 100-41-4   | Ethyl Benzene             | 0.013  |       | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 87-68-3    | Hexachlorobutadiene       | ND     |       | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP            | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |





## Sample Information

**Client Sample ID:** B-8W 0-2

**York Sample ID:** 23A0461-01

York Project (SDG) No.

23A0461

Client Project ID

21003-0004

Matrix

Soil

Collection Date/Time

January 10, 2023 9:57 am

Date Received

01/11/2023

### Volatile Organics, 8260 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.              | Parameter                      | Result | Flag             | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                                 | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------------------|--------------------------------|--------|------------------|-----------|------------------------|--------|----------|----------------------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 98-82-8              | Isopropylbenzene               | 0.0030 | J                | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 79-20-9              | Methyl acetate                 | ND     |                  | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 1634-04-4            | Methyl tert-butyl ether (MTBE) | ND     |                  | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 108-87-2             | Methylcyclohexane              | ND     |                  | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 75-09-2              | Methylene chloride             | ND     |                  | mg/kg dry | 0.0044                 | 0.0087 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 104-51-8             | n-Butylbenzene                 | ND     |                  | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 103-65-1             | n-Propylbenzene                | 0.0048 |                  | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 95-47-6              | o-Xylene                       | 0.028  |                  | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 179601-23-1          | p- & m- Xylenes                | 0.062  |                  | mg/kg dry | 0.0044                 | 0.0087 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 99-87-6              | p-Isopropyltoluene             | ND     |                  | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 135-98-8             | sec-Butylbenzene               | ND     |                  | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 100-42-5             | Styrene                        | ND     |                  | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 75-65-0              | tert-Butyl alcohol (TBA)       | ND     |                  | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 98-06-6              | tert-Butylbenzene              | ND     |                  | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 127-18-4             | Tetrachloroethylene            | 0.0076 | CCVE             | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 108-88-3             | Toluene                        | 0.0096 |                  | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 156-60-5             | trans-1,2-Dichloroethylene     | ND     |                  | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 10061-02-6           | trans-1,3-Dichloropropylene    | ND     |                  | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 79-01-6              | Trichloroethylene              | ND     |                  | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 75-69-4              | Trichlorofluoromethane         | ND     |                  | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 75-01-4              | Vinyl Chloride                 | ND     |                  | mg/kg dry | 0.0022                 | 0.0044 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| 1330-20-7            | Xylenes, Total                 | 0.090  |                  | mg/kg dry | 0.0066                 | 0.013  | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP     | 01/14/2023 06:54      | 01/15/2023 06:20      | JTG     |
| Surrogate Recoveries |                                | Result | Acceptance Range |           |                        |        |          |                                                                                  |                       |                       |         |



## Sample Information

**Client Sample ID:** B-8W 0-2

**York Sample ID:** 23A0461-01

York Project (SDG) No.  
23A0461

Client Project ID  
21003-0004

Matrix  
Soil

Collection Date/Time  
January 10, 2023 9:57 am

Date Received  
01/11/2023

### Volatile Organics, 8260 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.    | Parameter                                 | Result | Flag | Units | Reported to<br>LOD/MDL | LOQ | Dilution | Reference Method | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|-------------------------------------------|--------|------|-------|------------------------|-----|----------|------------------|-----------------------|-----------------------|---------|
| 17060-07-0 | Surrogate: SURR:<br>1,2-Dichloroethane-d4 | 113 %  |      |       | 77-125                 |     |          |                  |                       |                       |         |
| 2037-26-5  | Surrogate: SURR: Toluene-d8               | 104 %  |      |       | 85-120                 |     |          |                  |                       |                       |         |
| 460-00-4   | Surrogate: SURR:<br>p-Bromofluorobenzene  | 114 %  |      |       | 76-130                 |     |          |                  |                       |                       |         |

### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.  | Parameter                             | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|---------------------------------------|--------|------|-----------|------------------------|--------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 92-52-4  | 1,1-Biphenyl                          | ND     |      | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/15/2023 10:06      | 01/16/2023 12:54      | KH      |
| 95-94-3  | 1,2,4,5-Tetrachlorobenzene            | ND     |      | mg/kg dry | 0.0913                 | 0.182  | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/15/2023 10:06      | 01/16/2023 12:54      | KH      |
| 120-82-1 | 1,2,4-Trichlorobenzene                | ND     |      | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/15/2023 10:06      | 01/16/2023 12:54      | KH      |
| 95-50-1  | 1,2-Dichlorobenzene                   | ND     |      | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP                     | 01/15/2023 10:06      | 01/16/2023 12:54      | KH      |
| 122-66-7 | 1,2-Diphenylhydrazine (as Azobenzene) | ND     |      | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/15/2023 10:06      | 01/16/2023 12:54      | KH      |
| 541-73-1 | 1,3-Dichlorobenzene                   | ND     |      | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP                     | 01/15/2023 10:06      | 01/16/2023 12:54      | KH      |
| 106-46-7 | 1,4-Dichlorobenzene                   | ND     |      | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP                     | 01/15/2023 10:06      | 01/16/2023 12:54      | KH      |
| 58-90-2  | 2,3,4,6-Tetrachlorophenol             | ND     |      | mg/kg dry | 0.0913                 | 0.182  | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/15/2023 10:06      | 01/16/2023 12:54      | KH      |
| 95-95-4  | 2,4,5-Trichlorophenol                 | ND     |      | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/15/2023 10:06      | 01/16/2023 12:54      | KH      |
| 88-06-2  | 2,4,6-Trichlorophenol                 | ND     |      | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/15/2023 10:06      | 01/16/2023 12:54      | KH      |
| 120-83-2 | 2,4-Dichlorophenol                    | ND     |      | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/15/2023 10:06      | 01/16/2023 12:54      | KH      |
| 105-67-9 | 2,4-Dimethylphenol                    | ND     |      | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/15/2023 10:06      | 01/16/2023 12:54      | KH      |
| 51-28-5  | 2,4-Dinitrophenol                     | ND     |      | mg/kg dry | 0.0913                 | 0.182  | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/15/2023 10:06      | 01/16/2023 12:54      | KH      |
| 121-14-2 | 2,4-Dinitrotoluene                    | ND     |      | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/15/2023 10:06      | 01/16/2023 12:54      | KH      |
| 606-20-2 | 2,6-Dinitrotoluene                    | ND     |      | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/15/2023 10:06      | 01/16/2023 12:54      | KH      |
| 91-58-7  | 2-Chloronaphthalene                   | ND     |      | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/15/2023 10:06      | 01/16/2023 12:54      | KH      |
| 95-57-8  | 2-Chlorophenol                        | ND     |      | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/15/2023 10:06      | 01/16/2023 12:54      | KH      |
| 91-57-6  | 2-Methylnaphthalene                   | ND     |      | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/15/2023 10:06      | 01/16/2023 12:54      | KH      |





## Sample Information

**Client Sample ID:** B-8W 0-2

**York Sample ID:** 23A0461-01

York Project (SDG) No.  
23A0461

Client Project ID  
21003-0004

Matrix  
Soil

Collection Date/Time  
January 10, 2023 9:57 am

Date Received  
01/11/2023

### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.    | Parameter                   | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method             | Date/Time<br>Prepared                                       | Date/Time<br>Analyzed | Analyst |
|------------|-----------------------------|--------|------|-----------|------------------------|--------|----------|------------------------------|-------------------------------------------------------------|-----------------------|---------|
| 95-48-7    | 2-Methylphenol              | ND     |      | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 12:54      | KH      |
| 88-74-4    | 2-Nitroaniline              | ND     |      | mg/kg dry | 0.0913                 | 0.182  | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 12:54      | KH      |
| 88-75-5    | 2-Nitrophenol               | ND     |      | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 12:54      | KH      |
| 65794-96-9 | 3- & 4-Methylphenols        | ND     |      | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 12:54      | KH      |
| 91-94-1    | 3,3-Dichlorobenzidine       | ND     |      | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>NELAC-NY10854,NJDEP,PADEP               | 01/16/2023 12:54      | KH      |
| 99-09-2    | 3-Nitroaniline              | ND     |      | mg/kg dry | 0.0913                 | 0.182  | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 12:54      | KH      |
| 534-52-1   | 4,6-Dinitro-2-methylphenol  | ND     |      | mg/kg dry | 0.0913                 | 0.182  | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 12:54      | KH      |
| 101-55-3   | 4-Bromophenyl phenyl ether  | ND     |      | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 12:54      | KH      |
| 59-50-7    | 4-Chloro-3-methylphenol     | ND     |      | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 12:54      | KH      |
| 106-47-8   | 4-Chloroaniline             | ND     |      | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 12:54      | KH      |
| 7005-72-3  | 4-Chlorophenyl phenyl ether | ND     |      | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 12:54      | KH      |
| 100-01-6   | 4-Nitroaniline              | ND     |      | mg/kg dry | 0.0913                 | 0.182  | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 12:54      | KH      |
| 100-02-7   | 4-Nitrophenol               | ND     |      | mg/kg dry | 0.0913                 | 0.182  | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 12:54      | KH      |
| 83-32-9    | Acenaphthene                | ND     |      | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 12:54      | KH      |
| 208-96-8   | Acenaphthylene              | ND     |      | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 12:54      | KH      |
| 98-86-2    | Acetophenone                | ND     |      | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>NELAC-NY10854,NJDEP,PADEP               | 01/16/2023 12:54      | KH      |
| 62-53-3    | Aniline                     | ND     |      | mg/kg dry | 0.183                  | 0.366  | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>NELAC-NY10854,NJDEP,PADEP               | 01/16/2023 12:54      | KH      |
| 120-12-7   | Anthracene                  | ND     |      | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 12:54      | KH      |
| 1912-24-9  | Atrazine                    | ND     |      | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>NELAC-NY10854,NJDEP,PADEP               | 01/16/2023 12:54      | KH      |
| 100-52-7   | Benzaldehyde                | ND     |      | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>NELAC-NY10854,NJDEP,PADEP               | 01/16/2023 12:54      | KH      |
| 92-87-5    | Benzidine                   | ND     |      | mg/kg dry | 0.183                  | 0.366  | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 12:54      | KH      |
| 56-55-3    | Benzo(a)anthracene          | ND     |      | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 12:54      | KH      |
| 50-32-8    | Benzo(a)pyrene              | ND     |      | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 12:54      | KH      |



## Sample Information

**Client Sample ID:** B-8W 0-2

**York Sample ID:** 23A0461-01

York Project (SDG) No.  
23A0461

Client Project ID  
21003-0004

Matrix  
Soil

Collection Date/Time  
January 10, 2023 9:57 am

Date Received  
01/11/2023

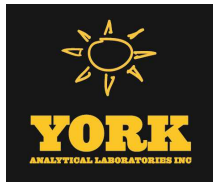
### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.  | Parameter                   | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method             | Date/Time<br>Prepared                                       | Date/Time<br>Analyzed | Analyst |
|----------|-----------------------------|--------|------|-----------|------------------------|--------|----------|------------------------------|-------------------------------------------------------------|-----------------------|---------|
| 205-99-2 | Benzo(b)fluoranthene        | ND     |      | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 12:54      | KH      |
| 191-24-2 | Benzo(g,h,i)perylene        | ND     |      | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 12:54      | KH      |
| 207-08-9 | Benzo(k)fluoranthene        | ND     |      | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 12:54      | KH      |
| 65-85-0  | Benzoic acid                | ND     |      | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>NELAC-NY10854,NJDEP,PADEP               | 01/16/2023 12:54      | KH      |
| 100-51-6 | Benzyl alcohol              | ND     |      | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>NELAC-NY10854,NJDEP,PADEP               | 01/16/2023 12:54      | KH      |
| 85-68-7  | Benzyl butyl phthalate      | ND     |      | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 12:54      | KH      |
| 111-91-1 | Bis(2-chloroethoxy)methane  | ND     |      | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 12:54      | KH      |
| 111-44-4 | Bis(2-chloroethyl)ether     | ND     |      | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 12:54      | KH      |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND     |      | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 12:54      | KH      |
| 117-81-7 | Bis(2-ethylhexyl)phthalate  | ND     |      | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 12:54      | KH      |
| 105-60-2 | Caprolactam                 | ND     |      | mg/kg dry | 0.0913                 | 0.182  | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>NELAC-NY10854,NJDEP,PADEP               | 01/16/2023 12:54      | KH      |
| 86-74-8  | Carbazole                   | ND     |      | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 12:54      | KH      |
| 218-01-9 | Chrysene                    | ND     |      | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 12:54      | KH      |
| 53-70-3  | Dibenzo(a,h)anthracene      | ND     |      | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 12:54      | KH      |
| 132-64-9 | Dibenzofuran                | ND     |      | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 12:54      | KH      |
| 84-66-2  | Diethyl phthalate           | ND     |      | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 12:54      | KH      |
| 131-11-3 | Dimethyl phthalate          | ND     |      | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 12:54      | KH      |
| 84-74-2  | Di-n-butyl phthalate        | ND     |      | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 12:54      | KH      |
| 117-84-0 | Di-n-octyl phthalate        | ND     |      | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 12:54      | KH      |
| 206-44-0 | Fluoranthene                | ND     |      | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 12:54      | KH      |
| 86-73-7  | Fluorene                    | ND     |      | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>NELAC-NY10854,NJDEP,PADEP               | 01/16/2023 12:54      | KH      |
| 118-74-1 | Hexachlorobenzene           | ND     |      | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 12:54      | KH      |
| 87-68-3  | Hexachlorobutadiene         | ND     |      | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 12:54      | KH      |



## Sample Information

**Client Sample ID:** B-8W 0-2

**York Sample ID:** 23A0461-01

York Project (SDG) No.

23A0461

Client Project ID

21003-0004

Matrix

Soil

Collection Date/Time

January 10, 2023 9:57 am

Date Received

01/11/2023

### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                                | Result        | Flag                    | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|------------------------------------------|---------------|-------------------------|-----------|------------------------|--------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 77-47-4                     | Hexachlorocyclopentadiene                | ND            |                         | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/15/2023 10:06      | 01/16/2023 12:54      | KH      |
| 67-72-1                     | Hexachloroethane                         | ND            |                         | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/15/2023 10:06      | 01/16/2023 12:54      | KH      |
| 193-39-5                    | Indeno(1,2,3-cd)pyrene                   | ND            |                         | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/15/2023 10:06      | 01/16/2023 12:54      | KH      |
| 78-59-1                     | Isophorone                               | ND            |                         | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/15/2023 10:06      | 01/16/2023 12:54      | KH      |
| 91-20-3                     | Naphthalene                              | ND            |                         | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/15/2023 10:06      | 01/16/2023 12:54      | KH      |
| 98-95-3                     | Nitrobenzene                             | ND            |                         | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/15/2023 10:06      | 01/16/2023 12:54      | KH      |
| 62-75-9                     | N-Nitrosodimethylamine                   | ND            |                         | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/15/2023 10:06      | 01/16/2023 12:54      | KH      |
| 621-64-7                    | N-nitroso-di-n-propylamine               | ND            |                         | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/15/2023 10:06      | 01/16/2023 12:54      | KH      |
| 86-30-6                     | N-Nitrosodiphenylamine                   | ND            |                         | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/15/2023 10:06      | 01/16/2023 12:54      | KH      |
| 87-86-5                     | Pentachlorophenol                        | ND            |                         | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/15/2023 10:06      | 01/16/2023 12:54      | KH      |
| 85-01-8                     | Phenanthrene                             | ND            |                         | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/15/2023 10:06      | 01/16/2023 12:54      | KH      |
| 108-95-2                    | Phenol                                   | ND            |                         | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/15/2023 10:06      | 01/16/2023 12:54      | KH      |
| 129-00-0                    | Pyrene                                   | ND            |                         | mg/kg dry | 0.0458                 | 0.0913 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/15/2023 10:06      | 01/16/2023 12:54      | KH      |
| <b>Surrogate Recoveries</b> |                                          | <b>Result</b> | <b>Acceptance Range</b> |           |                        |        |          |                                                                      |                       |                       |         |
| 367-12-4                    | Surrogate: SURR: 2-Fluorophenol          | 62.7 %        | 20-108                  |           |                        |        |          |                                                                      |                       |                       |         |
| 4165-62-2                   | Surrogate: SURR: Phenol-d5               | 57.6 %        | 23-114                  |           |                        |        |          |                                                                      |                       |                       |         |
| 4165-60-0                   | Surrogate: SURR: Nitrobenzene-d5         | 71.1 %        | 22-108                  |           |                        |        |          |                                                                      |                       |                       |         |
| 321-60-8                    | Surrogate: SURR: 2-Fluorobiphenyl        | 59.0 %        | 21-113                  |           |                        |        |          |                                                                      |                       |                       |         |
| 118-79-6                    | Surrogate: SURR:<br>2,4,6-Tribromophenol | 97.8 %        | 19-110                  |           |                        |        |          |                                                                      |                       |                       |         |
| 1718-51-0                   | Surrogate: SURR: Terphenyl-d14           | 68.9 %        | 24-116                  |           |                        |        |          |                                                                      |                       |                       |         |

### Pesticides, 8081 target list

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units     | Reported to<br>LOQ | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|-----------|--------|------|-----------|--------------------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 72-54-8 | 4,4'-DDD  | ND     |      | mg/kg dry | 0.00177            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 08:48      | 01/17/2023 00:09      | BJ      |
| 72-55-9 | 4,4'-DDE  | ND     |      | mg/kg dry | 0.00177            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 08:48      | 01/17/2023 00:09      | BJ      |
| 50-29-3 | 4,4'-DDT  | ND     |      | mg/kg dry | 0.00177            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 08:48      | 01/17/2023 00:09      | BJ      |



**York Sample ID:**            **23A0461-01**

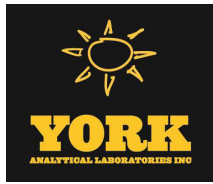
Date Received  
01/11/2023

**Sample Notes:**

[illegible]

**Sample Notes:**

| CAS No.            | Parameter | Result              | Flag | Units | Reported to<br>LOQ | Dilution           | Reference Method | Date/Time<br>Prepared   | Date/Time<br>Analyzed | Analyst |
|--------------------|-----------|---------------------|------|-------|--------------------|--------------------|------------------|-------------------------|-----------------------|---------|
| 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@         |                       |         |



## Sample Information

**Client Sample ID:** B-8W 0-2

**York Sample ID:** 23A0461-01

| <u>York Project (SDG) No.</u> | <u>Client Project ID</u> | <u>Matrix</u> | <u>Collection Date/Time</u> | <u>Date Received</u> |
|-------------------------------|--------------------------|---------------|-----------------------------|----------------------|
| 23A0461                       | 21003-0004               | Soil          | January 10, 2023 9:57 am    | 01/11/2023           |

|            |              |    |           |        |   |                              |                                                             |                  |    |
|------------|--------------|----|-----------|--------|---|------------------------------|-------------------------------------------------------------|------------------|----|
| 12674-11-2 | Aroclor 1016 | ND | mg/kg dry | 0.0179 | 1 | EPA 8082A<br>Certifications: | 01/13/2023 08:48<br>NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/16/2023 18:03 | BJ |
| 11104-28-2 | Aroclor 1221 | ND | mg/kg dry | 0.0179 | 1 | EPA 8082A<br>Certifications: | 01/13/2023 08:48<br>NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/16/2023 18:03 | BJ |
| 11141-16-5 | Aroclor 1232 | ND | mg/kg dry | 0.0179 | 1 | EPA 8082A<br>Certifications: | 01/13/2023 08:48<br>NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/16/2023 18:03 | BJ |
| 53469-21-9 | Aroclor 1242 | ND | mg/kg dry | 0.0179 | 1 | EPA 8082A<br>Certifications: | 01/13/2023 08:48<br>NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/16/2023 18:03 | BJ |
| 12672-29-6 | Aroclor 1248 | ND | mg/kg dry | 0.0179 | 1 | EPA 8082A<br>Certifications: | 01/13/2023 08:48<br>NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/16/2023 18:03 | BJ |
| 11097-69-1 | Aroclor 1254 | ND | mg/kg dry | 0.0179 | 1 | EPA 8082A<br>Certifications: | 01/13/2023 08:48<br>NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/16/2023 18:03 | BJ |
| 11096-82-5 | Aroclor 1260 | ND | mg/kg dry | 0.0179 | 1 | EPA 8082A<br>Certifications: | 01/13/2023 08:48<br>NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/16/2023 18:03 | BJ |
| 1336-36-3  | * Total PCBs | ND | mg/kg dry | 0.0179 | 1 | EPA 8082A<br>Certifications: | 01/13/2023 08:48<br>NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/16/2023 18:03 | BJ |

| Surrogate Recoveries |                                 | Result | Acceptance Range |
|----------------------|---------------------------------|--------|------------------|
| 877-09-8             | Surrogate: Tetrachloro-m-xylene | 86.0 % | 30-140           |
| 2051-24-3            | Surrogate: Decachlorobiphenyl   | 74.5 % | 30-140           |

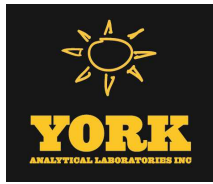
### Metals, Target Analyte

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter | Result | Flag | Units     | Reported to LOQ | Dilution | Reference Method             | Date/Time Prepared                                          | Date/Time Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|-----------------|----------|------------------------------|-------------------------------------------------------------|--------------------|---------|
| 7429-90-5 | Aluminum  | 11000  |      | mg/kg dry | 4.59            | 1        | EPA 6010D<br>Certifications: | 01/16/2023 14:11<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/17/2023 12:12   | CW      |
| 7440-36-0 | Antimony  | ND     |      | mg/kg dry | 2.30            | 1        | EPA 6010D<br>Certifications: | 01/16/2023 14:11<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/17/2023 12:12   | CW      |
| 7440-38-2 | Arsenic   | 2.72   |      | mg/kg dry | 1.38            | 1        | EPA 6010D<br>Certifications: | 01/16/2023 14:11<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/17/2023 12:12   | CW      |
| 7440-39-3 | Barium    | 19.6   |      | mg/kg dry | 2.29            | 1        | EPA 6010D<br>Certifications: | 01/16/2023 14:11<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/17/2023 12:12   | CW      |
| 7440-41-7 | Beryllium | 0.320  |      | mg/kg dry | 0.046           | 1        | EPA 6010D<br>Certifications: | 01/16/2023 14:11<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/17/2023 12:12   | CW      |
| 7440-43-9 | Cadmium   | ND     |      | mg/kg dry | 0.276           | 1        | EPA 6010D<br>Certifications: | 01/16/2023 14:11<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/17/2023 12:12   | CW      |
| 7440-70-2 | Calcium   | 1050   |      | mg/kg dry | 4.59            | 1        | EPA 6010D<br>Certifications: | 01/16/2023 14:11<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/17/2023 12:12   | CW      |
| 7440-47-3 | Chromium  | 14.5   |      | mg/kg dry | 0.460           | 1        | EPA 6010D<br>Certifications: | 01/16/2023 14:11<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/17/2023 12:12   | CW      |
| 7440-48-4 | Cobalt    | 1.92   |      | mg/kg dry | 0.367           | 1        | EPA 6010D<br>Certifications: | 01/16/2023 14:11<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/17/2023 12:12   | CW      |
| 7440-50-8 | Copper    | 4.44   |      | mg/kg dry | 1.84            | 1        | EPA 6010D<br>Certifications: | 01/16/2023 14:11<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/17/2023 12:12   | CW      |
| 7439-89-6 | Iron      | 12500  |      | mg/kg dry | 23.0            | 1        | EPA 6010D<br>Certifications: | 01/16/2023 14:11<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/17/2023 12:12   | CW      |



## Sample Information

**Client Sample ID:** B-8W 0-2

**York Sample ID:** 23A0461-01

York Project (SDG) No.

23A0461

Client Project ID

21003-0004

Matrix

Soil

Collection Date/Time

January 10, 2023 9:57 am

Date Received

01/11/2023

### Metals, Target Analyte

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter | Result | Flag | Units     | Reported to<br>LOQ | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|--------------------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7439-92-1 | Lead      | 25.6   |      | mg/kg dry | 0.460              | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 14:11      | 01/17/2023 12:12      | CW      |
| 7439-95-4 | Magnesium | 724    |      | mg/kg dry | 4.60               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 14:11      | 01/17/2023 12:12      | CW      |
| 7439-96-5 | Manganese | 49.6   |      | mg/kg dry | 0.460              | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 14:11      | 01/17/2023 12:12      | CW      |
| 7440-02-0 | Nickel    | 6.93   |      | mg/kg dry | 0.915              | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 14:11      | 01/17/2023 12:12      | CW      |
| 7440-09-7 | Potassium | 275    |      | mg/kg dry | 4.60               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 14:11      | 01/17/2023 12:12      | CW      |
| 7782-49-2 | Selenium  | ND     |      | mg/kg dry | 2.30               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 14:11      | 01/17/2023 12:12      | CW      |
| 7440-22-4 | Silver    | ND     |      | mg/kg dry | 0.463              | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 14:11      | 01/17/2023 12:12      | CW      |
| 7440-23-5 | Sodium    | 285    |      | mg/kg dry | 45.9               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 14:11      | 01/17/2023 12:12      | CW      |
| 7440-28-0 | Thallium  | ND     |      | mg/kg dry | 2.30               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 14:11      | 01/17/2023 12:12      | CW      |
| 7440-62-2 | Vanadium  | 19.8   |      | mg/kg dry | 0.915              | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 14:11      | 01/17/2023 12:12      | CW      |
| 7440-66-6 | Zinc      | 20.1   |      | mg/kg dry | 2.29               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 14:11      | 01/17/2023 12:12      | CW      |

### Mercury by 7473

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 7473 soil

| CAS No.   | Parameter | Result | Flag | Units     | Reported to<br>LOQ | Dilution | Reference Method                                                    | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|--------------------|----------|---------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7439-97-6 | Mercury   | ND     |      | mg/kg dry | 0.0331             | 1        | EPA 7473<br>Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP | 01/12/2023 09:20      | 01/12/2023 12:03      | MR      |

### Total Solids

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: % Solids Prep

| CAS No. | Parameter  | Result | Flag | Units | Reported to<br>LOQ | Dilution | Reference Method                          | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|------------|--------|------|-------|--------------------|----------|-------------------------------------------|-----------------------|-----------------------|---------|
| solids  | * % Solids | 90.7   |      | %     | 0.100              | 1        | SM 2540G<br>Certifications: CTDOH-PH-0723 | 01/12/2023 07:58      | 01/12/2023 13:35      | sgs     |



## Sample Information

**Client Sample ID:** B-8W 2-4

**York Sample ID:** 23A0461-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0461

21003-0004

Soil

January 10, 2023 10:12 am

01/11/2023

### Volatile Organics, 8260 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.  | Parameter                                            | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|------------------------------------------------------|--------|------|-----------|------------------------|--------|----------|------------------------------|-----------------------|-----------------------|---------|
| 630-20-6 | 1,1,1,2-Tetrachloroethane                            | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 71-55-6  | 1,1,1-Trichloroethane                                | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 79-34-5  | 1,1,2,2-Tetrachloroethane                            | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 76-13-1  | 1,1,2-Trichloro-1,2,2-trifluoroethane<br>(Freon 113) | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 79-00-5  | 1,1,2-Trichloroethane                                | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 75-34-3  | 1,1-Dichloroethane                                   | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 75-35-4  | 1,1-Dichloroethylene                                 | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 87-61-6  | 1,2,3-Trichlorobenzene                               | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 96-18-4  | 1,2,3-Trichloropropane                               | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 120-82-1 | 1,2,4-Trichlorobenzene                               | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 95-63-6  | 1,2,4-Trimethylbenzene                               | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 96-12-8  | 1,2-Dibromo-3-chloropropane                          | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 106-93-4 | 1,2-Dibromoethane                                    | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 95-50-1  | 1,2-Dichlorobenzene                                  | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 107-06-2 | 1,2-Dichloroethane                                   | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 78-87-5  | 1,2-Dichloropropane                                  | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 108-67-8 | 1,3,5-Trimethylbenzene                               | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 541-73-1 | 1,3-Dichlorobenzene                                  | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 106-46-7 | 1,4-Dichlorobenzene                                  | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 123-91-1 | 1,4-Dioxane                                          | ND     |      | mg/kg dry | 0.047                  | 0.094  | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 78-93-3  | 2-Butanone                                           | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 591-78-6 | 2-Hexanone                                           | ND     |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 108-10-1 | 4-Methyl-2-pentanone                                 | 0.0074 |      | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |





## Sample Information

**Client Sample ID:** B-8W 2-4

**York Sample ID:** 23A0461-02

York Project (SDG) No.  
23A0461

Client Project ID  
21003-0004

Matrix  
Soil

Collection Date/Time  
January 10, 2023 10:12 am

Date Received  
01/11/2023

### Volatile Organics, 8260 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.    | Parameter                 | Result | Flag  | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method             | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|---------------------------|--------|-------|-----------|------------------------|--------|----------|------------------------------|-----------------------|-----------------------|---------|
| 67-64-1    | Acetone                   | ND     |       | mg/kg dry | 0.0047                 | 0.0094 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 107-02-8   | Acrolein                  | ND     |       | mg/kg dry | 0.0047                 | 0.0094 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 107-13-1   | Acrylonitrile             | ND     |       | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 71-43-2    | Benzene                   | ND     |       | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 74-97-5    | Bromochloromethane        | ND     |       | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 75-27-4    | Bromodichloromethane      | ND     |       | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 75-25-2    | Bromoform                 | ND     |       | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 74-83-9    | Bromomethane              | ND     |       | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 75-15-0    | Carbon disulfide          | ND     |       | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 56-23-5    | Carbon tetrachloride      | ND     | CAL-E | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 108-90-7   | Chlorobenzene             | ND     |       | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 75-00-3    | Chloroethane              | ND     |       | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 67-66-3    | Chloroform                | ND     |       | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 74-87-3    | Chloromethane             | ND     |       | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 156-59-2   | cis-1,2-Dichloroethylene  | ND     |       | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND     |       | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 110-82-7   | Cyclohexane               | ND     |       | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 124-48-1   | Dibromochloromethane      | ND     |       | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 74-95-3    | Dibromomethane            | ND     |       | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 75-71-8    | Dichlorodifluoromethane   | ND     |       | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 100-41-4   | Ethyl Benzene             | ND     |       | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 87-68-3    | Hexachlorobutadiene       | ND     |       | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 98-82-8    | Isopropylbenzene          | ND     |       | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |





## Sample Information

**Client Sample ID:** B-8W 2-4

**York Sample ID:** 23A0461-02

York Project (SDG) No.  
23A0461

Client Project ID  
21003-0004

Matrix  
Soil

Collection Date/Time  
January 10, 2023 10:12 am

Date Received  
01/11/2023

### Volatile Organics, 8260 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.                     | Parameter                                 | Result        | Flag                    | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                                 | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|-------------------------------------------|---------------|-------------------------|-----------|------------------------|--------|----------|----------------------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 79-20-9                     | Methyl acetate                            | ND            |                         | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 1634-04-4                   | Methyl tert-butyl ether (MTBE)            | ND            |                         | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 108-87-2                    | Methylcyclohexane                         | ND            |                         | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 75-09-2                     | Methylene chloride                        | ND            |                         | mg/kg dry | 0.0047                 | 0.0094 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 104-51-8                    | n-Butylbenzene                            | ND            |                         | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 103-65-1                    | n-Propylbenzene                           | ND            |                         | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 95-47-6                     | o-Xylene                                  | ND            |                         | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP     | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 179601-23-1                 | p- & m- Xylenes                           | ND            |                         | mg/kg dry | 0.0047                 | 0.0094 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP     | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 99-87-6                     | p-Isopropyltoluene                        | ND            |                         | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 135-98-8                    | sec-Butylbenzene                          | ND            |                         | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 100-42-5                    | Styrene                                   | ND            |                         | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 75-65-0                     | tert-Butyl alcohol (TBA)                  | ND            |                         | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 98-06-6                     | tert-Butylbenzene                         | ND            |                         | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 127-18-4                    | <b>Tetrachloroethylene</b>                | <b>0.0094</b> | CCVE                    | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA  | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 108-88-3                    | Toluene                                   | ND            |                         | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 156-60-5                    | trans-1,2-Dichloroethylene                | ND            |                         | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 10061-02-6                  | trans-1,3-Dichloropropylene               | ND            |                         | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 79-01-6                     | Trichloroethylene                         | ND            |                         | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 75-69-4                     | Trichlorofluoromethane                    | ND            |                         | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 75-01-4                     | Vinyl Chloride                            | ND            |                         | mg/kg dry | 0.0023                 | 0.0047 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| 1330-20-7                   | Xylenes, Total                            | ND            |                         | mg/kg dry | 0.0070                 | 0.014  | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP     | 01/14/2023 06:54      | 01/15/2023 06:47      | JTG     |
| <b>Surrogate Recoveries</b> |                                           | <b>Result</b> | <b>Acceptance Range</b> |           |                        |        |          |                                                                                  |                       |                       |         |
| 17060-07-0                  | Surrogate: SURR:<br>1,2-Dichloroethane-d4 | 114 %         | 77-125                  |           |                        |        |          |                                                                                  |                       |                       |         |
| 2037-26-5                   | Surrogate: SURR: Toluene-d8               | 105 %         | 85-120                  |           |                        |        |          |                                                                                  |                       |                       |         |



## Sample Information

**Client Sample ID:** B-8W 2-4

**York Sample ID:** 23A0461-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0461

21003-0004

Soil

January 10, 2023 10:12 am

01/11/2023

### Volatile Organics, 8260 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.  | Parameter                                | Result | Flag | Units | Reported to<br>LOD/MDL | LOQ | Dilution | Reference Method | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|------------------------------------------|--------|------|-------|------------------------|-----|----------|------------------|-----------------------|-----------------------|---------|
| 460-00-4 | Surrogate: SURR:<br>p-Bromofluorobenzene | 115 %  |      |       | 76-130                 |     |          |                  |                       |                       |         |

### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.  | Parameter                             | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|---------------------------------------|--------|------|-----------|------------------------|--------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 92-52-4  | 1,1-Biphenyl                          | ND     |      | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/15/2023 10:06      | 01/16/2023 13:26      | KH      |
| 95-94-3  | 1,2,4,5-Tetrachlorobenzene            | ND     |      | mg/kg dry | 0.0922                 | 0.184  | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/15/2023 10:06      | 01/16/2023 13:26      | KH      |
| 120-82-1 | 1,2,4-Trichlorobenzene                | ND     |      | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/15/2023 10:06      | 01/16/2023 13:26      | KH      |
| 95-50-1  | 1,2-Dichlorobenzene                   | ND     |      | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP                     | 01/15/2023 10:06      | 01/16/2023 13:26      | KH      |
| 122-66-7 | 1,2-Diphenylhydrazine (as Azobenzene) | ND     |      | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/15/2023 10:06      | 01/16/2023 13:26      | KH      |
| 541-73-1 | 1,3-Dichlorobenzene                   | ND     |      | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP                     | 01/15/2023 10:06      | 01/16/2023 13:26      | KH      |
| 106-46-7 | 1,4-Dichlorobenzene                   | ND     |      | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP                     | 01/15/2023 10:06      | 01/16/2023 13:26      | KH      |
| 58-90-2  | 2,3,4,6-Tetrachlorophenol             | ND     |      | mg/kg dry | 0.0922                 | 0.184  | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/15/2023 10:06      | 01/16/2023 13:26      | KH      |
| 95-95-4  | 2,4,5-Trichlorophenol                 | ND     |      | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/15/2023 10:06      | 01/16/2023 13:26      | KH      |
| 88-06-2  | 2,4,6-Trichlorophenol                 | ND     |      | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/15/2023 10:06      | 01/16/2023 13:26      | KH      |
| 120-83-2 | 2,4-Dichlorophenol                    | ND     |      | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/15/2023 10:06      | 01/16/2023 13:26      | KH      |
| 105-67-9 | 2,4-Dimethylphenol                    | ND     |      | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/15/2023 10:06      | 01/16/2023 13:26      | KH      |
| 51-28-5  | 2,4-Dinitrophenol                     | ND     |      | mg/kg dry | 0.0922                 | 0.184  | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/15/2023 10:06      | 01/16/2023 13:26      | KH      |
| 121-14-2 | 2,4-Dinitrotoluene                    | ND     |      | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/15/2023 10:06      | 01/16/2023 13:26      | KH      |
| 606-20-2 | 2,6-Dinitrotoluene                    | ND     |      | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/15/2023 10:06      | 01/16/2023 13:26      | KH      |
| 91-58-7  | 2-Chloronaphthalene                   | ND     |      | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/15/2023 10:06      | 01/16/2023 13:26      | KH      |
| 95-57-8  | 2-Chlorophenol                        | ND     |      | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/15/2023 10:06      | 01/16/2023 13:26      | KH      |
| 91-57-6  | 2-Methylnaphthalene                   | ND     |      | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/15/2023 10:06      | 01/16/2023 13:26      | KH      |
| 95-48-7  | 2-Methylphenol                        | ND     |      | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/15/2023 10:06      | 01/16/2023 13:26      | KH      |



## Sample Information

**Client Sample ID:** B-8W 2-4

**York Sample ID:** 23A0461-02

York Project (SDG) No.  
23A0461

Client Project ID  
21003-0004

Matrix  
Soil

Collection Date/Time  
January 10, 2023 10:12 am

Date Received  
01/11/2023

### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.    | Parameter                   | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method             | Date/Time<br>Prepared                                       | Date/Time<br>Analyzed | Analyst |
|------------|-----------------------------|--------|------|-----------|------------------------|--------|----------|------------------------------|-------------------------------------------------------------|-----------------------|---------|
| 88-74-4    | 2-Nitroaniline              | ND     |      | mg/kg dry | 0.0922                 | 0.184  | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:26      | KH      |
| 88-75-5    | 2-Nitrophenol               | ND     |      | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:26      | KH      |
| 65794-96-9 | 3- & 4-Methylphenols        | ND     |      | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:26      | KH      |
| 91-94-1    | 3,3-Dichlorobenzidine       | ND     |      | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>NELAC-NY10854,NJDEP,PADEP               | 01/16/2023 13:26      | KH      |
| 99-09-2    | 3-Nitroaniline              | ND     |      | mg/kg dry | 0.0922                 | 0.184  | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:26      | KH      |
| 534-52-1   | 4,6-Dinitro-2-methylphenol  | ND     |      | mg/kg dry | 0.0922                 | 0.184  | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:26      | KH      |
| 101-55-3   | 4-Bromophenyl phenyl ether  | ND     |      | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:26      | KH      |
| 59-50-7    | 4-Chloro-3-methylphenol     | ND     |      | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:26      | KH      |
| 106-47-8   | 4-Chloroaniline             | ND     |      | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:26      | KH      |
| 7005-72-3  | 4-Chlorophenyl phenyl ether | ND     |      | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:26      | KH      |
| 100-01-6   | 4-Nitroaniline              | ND     |      | mg/kg dry | 0.0922                 | 0.184  | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:26      | KH      |
| 100-02-7   | 4-Nitrophenol               | ND     |      | mg/kg dry | 0.0922                 | 0.184  | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:26      | KH      |
| 83-32-9    | Acenaphthene                | ND     |      | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:26      | KH      |
| 208-96-8   | Acenaphthylene              | ND     |      | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:26      | KH      |
| 98-86-2    | Acetophenone                | ND     |      | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>NELAC-NY10854,NJDEP,PADEP               | 01/16/2023 13:26      | KH      |
| 62-53-3    | Aniline                     | ND     |      | mg/kg dry | 0.185                  | 0.369  | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>NELAC-NY10854,NJDEP,PADEP               | 01/16/2023 13:26      | KH      |
| 120-12-7   | Anthracene                  | ND     |      | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:26      | KH      |
| 1912-24-9  | Atrazine                    | ND     |      | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>NELAC-NY10854,NJDEP,PADEP               | 01/16/2023 13:26      | KH      |
| 100-52-7   | Benzaldehyde                | ND     |      | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>NELAC-NY10854,NJDEP,PADEP               | 01/16/2023 13:26      | KH      |
| 92-87-5    | Benzidine                   | ND     |      | mg/kg dry | 0.185                  | 0.369  | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:26      | KH      |
| 56-55-3    | Benzo(a)anthracene          | ND     |      | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:26      | KH      |
| 50-32-8    | Benzo(a)pyrene              | ND     |      | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:26      | KH      |
| 205-99-2   | Benzo(b)fluoranthene        | ND     |      | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:26      | KH      |



## Sample Information

**Client Sample ID:** B-8W 2-4

**York Sample ID:** 23A0461-02

York Project (SDG) No.  
23A0461

Client Project ID  
21003-0004

Matrix  
Soil

Collection Date/Time  
January 10, 2023 10:12 am

Date Received  
01/11/2023

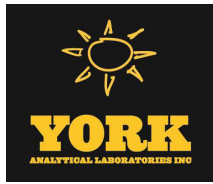
### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.  | Parameter                   | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method             | Date/Time<br>Prepared                                       | Date/Time<br>Analyzed | Analyst |
|----------|-----------------------------|--------|------|-----------|------------------------|--------|----------|------------------------------|-------------------------------------------------------------|-----------------------|---------|
| 191-24-2 | Benzo(g,h,i)perylene        | ND     |      | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:26      | KH      |
| 207-08-9 | Benzo(k)fluoranthene        | ND     |      | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:26      | KH      |
| 65-85-0  | Benzoic acid                | ND     |      | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>NELAC-NY10854,NJDEP,PADEP               | 01/16/2023 13:26      | KH      |
| 100-51-6 | Benzyl alcohol              | ND     |      | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>NELAC-NY10854,NJDEP,PADEP               | 01/16/2023 13:26      | KH      |
| 85-68-7  | Benzyl butyl phthalate      | ND     |      | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:26      | KH      |
| 111-91-1 | Bis(2-chloroethoxy)methane  | ND     |      | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:26      | KH      |
| 111-44-4 | Bis(2-chloroethyl)ether     | ND     |      | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:26      | KH      |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND     |      | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:26      | KH      |
| 117-81-7 | Bis(2-ethylhexyl)phthalate  | ND     |      | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:26      | KH      |
| 105-60-2 | Caprolactam                 | ND     |      | mg/kg dry | 0.0922                 | 0.184  | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>NELAC-NY10854,NJDEP,PADEP               | 01/16/2023 13:26      | KH      |
| 86-74-8  | Carbazole                   | ND     |      | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:26      | KH      |
| 218-01-9 | Chrysene                    | ND     |      | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:26      | KH      |
| 53-70-3  | Dibenzo(a,h)anthracene      | ND     |      | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:26      | KH      |
| 132-64-9 | Dibenzofuran                | ND     |      | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:26      | KH      |
| 84-66-2  | Diethyl phthalate           | ND     |      | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:26      | KH      |
| 131-11-3 | Dimethyl phthalate          | ND     |      | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:26      | KH      |
| 84-74-2  | Di-n-butyl phthalate        | ND     |      | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:26      | KH      |
| 117-84-0 | Di-n-octyl phthalate        | ND     |      | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:26      | KH      |
| 206-44-0 | Fluoranthene                | ND     |      | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:26      | KH      |
| 86-73-7  | Fluorene                    | ND     |      | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>NELAC-NY10854,NJDEP,PADEP               | 01/16/2023 13:26      | KH      |
| 118-74-1 | Hexachlorobenzene           | ND     |      | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:26      | KH      |
| 87-68-3  | Hexachlorobutadiene         | ND     |      | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:26      | KH      |
| 77-47-4  | Hexachlorocyclopentadiene   | ND     |      | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:26      | KH      |



## Sample Information

**Client Sample ID:** B-8W 2-4

**York Sample ID:** 23A0461-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0461

21003-0004

Soil

January 10, 2023 10:12 am

01/11/2023

### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                                | Result        | Flag                    | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|------------------------------------------|---------------|-------------------------|-----------|------------------------|--------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 67-72-1                     | Hexachloroethane                         | ND            |                         | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/15/2023 10:06      | 01/16/2023 13:26      | KH      |
| 193-39-5                    | Indeno(1,2,3-cd)pyrene                   | ND            |                         | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/15/2023 10:06      | 01/16/2023 13:26      | KH      |
| 78-59-1                     | Isophorone                               | ND            |                         | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/15/2023 10:06      | 01/16/2023 13:26      | KH      |
| 91-20-3                     | Naphthalene                              | ND            |                         | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/15/2023 10:06      | 01/16/2023 13:26      | KH      |
| 98-95-3                     | Nitrobenzene                             | ND            |                         | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/15/2023 10:06      | 01/16/2023 13:26      | KH      |
| 62-75-9                     | N-Nitrosodimethylamine                   | ND            |                         | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/15/2023 10:06      | 01/16/2023 13:26      | KH      |
| 621-64-7                    | N-nitroso-di-n-propylamine               | ND            |                         | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/15/2023 10:06      | 01/16/2023 13:26      | KH      |
| 86-30-6                     | N-Nitrosodiphenylamine                   | ND            |                         | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/15/2023 10:06      | 01/16/2023 13:26      | KH      |
| 87-86-5                     | Pentachlorophenol                        | ND            |                         | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/15/2023 10:06      | 01/16/2023 13:26      | KH      |
| 85-01-8                     | Phenanthrene                             | ND            |                         | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/15/2023 10:06      | 01/16/2023 13:26      | KH      |
| 108-95-2                    | Phenol                                   | ND            |                         | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/15/2023 10:06      | 01/16/2023 13:26      | KH      |
| 129-00-0                    | Pyrene                                   | ND            |                         | mg/kg dry | 0.0462                 | 0.0922 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/15/2023 10:06      | 01/16/2023 13:26      | KH      |
| <b>Surrogate Recoveries</b> |                                          | <b>Result</b> | <b>Acceptance Range</b> |           |                        |        |          |                                                                      |                       |                       |         |
| 367-12-4                    | Surrogate: SURR: 2-Fluorophenol          | 60.7 %        | 20-108                  |           |                        |        |          |                                                                      |                       |                       |         |
| 4165-62-2                   | Surrogate: SURR: Phenol-d5               | 56.9 %        | 23-114                  |           |                        |        |          |                                                                      |                       |                       |         |
| 4165-60-0                   | Surrogate: SURR: Nitrobenzene-d5         | 67.3 %        | 22-108                  |           |                        |        |          |                                                                      |                       |                       |         |
| 321-60-8                    | Surrogate: SURR: 2-Fluorobiphenyl        | 56.5 %        | 21-113                  |           |                        |        |          |                                                                      |                       |                       |         |
| 118-79-6                    | Surrogate: SURR:<br>2,4,6-Tribromophenol | 98.1 %        | 19-110                  |           |                        |        |          |                                                                      |                       |                       |         |
| 1718-51-0                   | Surrogate: SURR: Terphenyl-d14           | 67.7 %        | 24-116                  |           |                        |        |          |                                                                      |                       |                       |         |

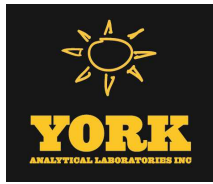
### Pesticides, 8081 target list

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.  | Parameter | Result | Flag | Units     | Reported to<br>LOQ | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|-----------|--------|------|-----------|--------------------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 72-54-8  | 4,4'-DDD  | ND     |      | mg/kg dry | 0.00178            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 08:48      | 01/17/2023 00:27      | BJ      |
| 72-55-9  | 4,4'-DDE  | ND     |      | mg/kg dry | 0.00178            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 08:48      | 01/17/2023 00:27      | BJ      |
| 50-29-3  | 4,4'-DDT  | ND     |      | mg/kg dry | 0.00178            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 08:48      | 01/17/2023 00:27      | BJ      |
| 309-00-2 | Aldrin    | ND     |      | mg/kg dry | 0.00178            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 08:48      | 01/17/2023 00:27      | BJ      |



## Sample Information

**Client Sample ID:** B-8W 2-4

**York Sample ID:** 23A0461-02

**York Project (SDG) No.**

23A0461

**Client Project ID**

21003-0004

**Matrix**

Soil

**Collection Date/Time**

January 10, 2023 10:12 am

**Date Received**

01/11/2023

### Pesticides, 8081 target list

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                       | Result        | Flag                    | Units     | Reported to<br>LOQ | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|-------------------------|-----------|--------------------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 319-84-6                    | alpha-BHC                       | ND            |                         | mg/kg dry | 0.00178            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 08:48      | 01/17/2023 00:27      | BJ      |
| 5103-71-9                   | alpha-Chlordane                 | ND            |                         | mg/kg dry | 0.00178            | 5        | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP                     | 01/13/2023 08:48      | 01/17/2023 00:27      | BJ      |
| 319-85-7                    | beta-BHC                        | ND            |                         | mg/kg dry | 0.00178            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 08:48      | 01/17/2023 00:27      | BJ      |
| 12789-03-6                  | Chlordane, total                | ND            |                         | mg/kg dry | 0.0357             | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 08:48      | 01/17/2023 00:27      | BJ      |
| 319-86-8                    | delta-BHC                       | ND            |                         | mg/kg dry | 0.00178            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 08:48      | 01/17/2023 00:27      | BJ      |
| 60-57-1                     | Dieldrin                        | ND            |                         | mg/kg dry | 0.00178            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 08:48      | 01/17/2023 00:27      | BJ      |
| 959-98-8                    | Endosulfan I                    | ND            |                         | mg/kg dry | 0.00178            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 08:48      | 01/17/2023 00:27      | BJ      |
| 33213-65-9                  | Endosulfan II                   | ND            |                         | mg/kg dry | 0.00178            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854             | 01/13/2023 08:48      | 01/17/2023 00:27      | BJ      |
| 1031-07-8                   | Endosulfan sulfate              | ND            |                         | mg/kg dry | 0.00178            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 08:48      | 01/17/2023 00:27      | BJ      |
| 72-20-8                     | Endrin                          | ND            |                         | mg/kg dry | 0.00178            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 08:48      | 01/17/2023 00:27      | BJ      |
| 7421-93-4                   | Endrin aldehyde                 | ND            |                         | mg/kg dry | 0.00178            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 08:48      | 01/17/2023 00:27      | BJ      |
| 53494-70-5                  | Endrin ketone                   | ND            |                         | mg/kg dry | 0.00178            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 08:48      | 01/17/2023 00:27      | BJ      |
| 58-89-9                     | gamma-BHC (Lindane)             | ND            |                         | mg/kg dry | 0.00178            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 08:48      | 01/17/2023 00:27      | BJ      |
| 5566-34-7                   | gamma-Chlordane                 | ND            |                         | mg/kg dry | 0.00178            | 5        | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP                     | 01/13/2023 08:48      | 01/17/2023 00:27      | BJ      |
| 76-44-8                     | Heptachlor                      | ND            |                         | mg/kg dry | 0.00178            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 08:48      | 01/17/2023 00:27      | BJ      |
| 1024-57-3                   | Heptachlor epoxide              | ND            |                         | mg/kg dry | 0.00178            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 08:48      | 01/17/2023 00:27      | BJ      |
| 72-43-5                     | Methoxychlor                    | ND            |                         | mg/kg dry | 0.00891            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 08:48      | 01/17/2023 00:27      | BJ      |
| 8001-35-2                   | Toxaphene                       | ND            |                         | mg/kg dry | 0.0902             | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 08:48      | 01/17/2023 00:27      | BJ      |
| <b>Surrogate Recoveries</b> |                                 | <b>Result</b> | <b>Acceptance Range</b> |           |                    |          |                                                                      |                       |                       |         |
| 2051-24-3                   | Surrogate: Decachlorobiphenyl   | 86.5 %        | 30-150                  |           |                    |          |                                                                      |                       |                       |         |
| 877-09-8                    | Surrogate: Tetrachloro-m-xylene | 102 %         | 30-150                  |           |                    |          |                                                                      |                       |                       |         |

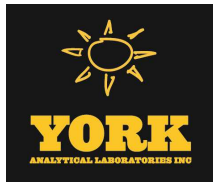
### Polychlorinated Biphenyls (PCB)

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to<br>LOQ | Dilution | Reference Method | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|-----------|--------|------|-------|--------------------|----------|------------------|-----------------------|-----------------------|---------|
|---------|-----------|--------|------|-------|--------------------|----------|------------------|-----------------------|-----------------------|---------|



## Sample Information

**Client Sample ID:** B-8W 2-4

**York Sample ID:** 23A0461-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0461

21003-0004

Soil

January 10, 2023 10:12 am

01/11/2023

### Polychlorinated Biphenyls (PCB)

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                       | Result        | Flag                    | Units     | Reported to<br>LOQ | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|-------------------------|-----------|--------------------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 12674-11-2                  | Aroclor 1016                    | ND            |                         | mg/kg dry | 0.0180             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/13/2023 08:48      | 01/16/2023 18:16      | BJ      |
| 11104-28-2                  | Aroclor 1221                    | ND            |                         | mg/kg dry | 0.0180             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/13/2023 08:48      | 01/16/2023 18:16      | BJ      |
| 11141-16-5                  | Aroclor 1232                    | ND            |                         | mg/kg dry | 0.0180             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/13/2023 08:48      | 01/16/2023 18:16      | BJ      |
| 53469-21-9                  | Aroclor 1242                    | ND            |                         | mg/kg dry | 0.0180             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/13/2023 08:48      | 01/16/2023 18:16      | BJ      |
| 12672-29-6                  | Aroclor 1248                    | ND            |                         | mg/kg dry | 0.0180             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/13/2023 08:48      | 01/16/2023 18:16      | BJ      |
| 11097-69-1                  | Aroclor 1254                    | ND            |                         | mg/kg dry | 0.0180             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/13/2023 08:48      | 01/16/2023 18:16      | BJ      |
| 11096-82-5                  | Aroclor 1260                    | ND            |                         | mg/kg dry | 0.0180             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/13/2023 08:48      | 01/16/2023 18:16      | BJ      |
| 1336-36-3                   | * Total PCBs                    | ND            |                         | mg/kg dry | 0.0180             | 1        | EPA 8082A<br>Certifications:                                         | 01/13/2023 08:48      | 01/16/2023 18:16      | BJ      |
| <b>Surrogate Recoveries</b> |                                 | <b>Result</b> | <b>Acceptance Range</b> |           |                    |          |                                                                      |                       |                       |         |
| 877-09-8                    | Surrogate: Tetrachloro-m-xylene | 91.0 %        | 30-140                  |           |                    |          |                                                                      |                       |                       |         |
| 2051-24-3                   | Surrogate: Decachlorobiphenyl   | 84.5 %        | 30-140                  |           |                    |          |                                                                      |                       |                       |         |

### Metals, Target Analyte

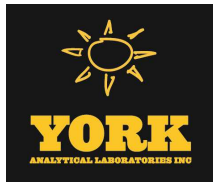
### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter        | Result       | Flag | Units     | Reported to<br>LOQ | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|------------------|--------------|------|-----------|--------------------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7429-90-5 | <b>Aluminum</b>  | <b>12100</b> |      | mg/kg dry | 4.64               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 14:11      | 01/17/2023 12:21      | CW      |
| 7440-36-0 | Antimony         | ND           |      | mg/kg dry | 2.32               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 14:11      | 01/17/2023 12:21      | CW      |
| 7440-38-2 | <b>Arsenic</b>   | <b>2.82</b>  |      | mg/kg dry | 1.39               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 14:11      | 01/17/2023 12:21      | CW      |
| 7440-39-3 | <b>Barium</b>    | <b>20.0</b>  |      | mg/kg dry | 2.31               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 14:11      | 01/17/2023 12:21      | CW      |
| 7440-41-7 | <b>Beryllium</b> | <b>0.316</b> |      | mg/kg dry | 0.047              | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 14:11      | 01/17/2023 12:21      | CW      |
| 7440-43-9 | Cadmium          | ND           |      | mg/kg dry | 0.278              | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 14:11      | 01/17/2023 12:21      | CW      |
| 7440-70-2 | <b>Calcium</b>   | <b>770</b>   |      | mg/kg dry | 4.64               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 14:11      | 01/17/2023 12:21      | CW      |
| 7440-47-3 | <b>Chromium</b>  | <b>13.2</b>  |      | mg/kg dry | 0.464              | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 14:11      | 01/17/2023 12:21      | CW      |
| 7440-48-4 | <b>Cobalt</b>    | <b>2.29</b>  |      | mg/kg dry | 0.371              | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 14:11      | 01/17/2023 12:21      | CW      |





## Sample Information

**Client Sample ID:** B-8W 2-4

**York Sample ID:** 23A0461-02

York Project (SDG) No.

23A0461

Client Project ID

21003-0004

Matrix

Soil

Collection Date/Time

January 10, 2023 10:12 am

Date Received

01/11/2023

### Metals, Target Analyte

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter | Result | Flag | Units     | Reported to<br>LOQ | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|--------------------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7440-50-8 | Copper    | 5.56   |      | mg/kg dry | 1.86               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 14:11      | 01/17/2023 12:21      | CW      |
| 7439-89-6 | Iron      | 12900  |      | mg/kg dry | 23.2               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 14:11      | 01/17/2023 12:21      | CW      |
| 7439-92-1 | Lead      | 37.8   |      | mg/kg dry | 0.464              | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 14:11      | 01/17/2023 12:21      | CW      |
| 7439-95-4 | Magnesium | 740    |      | mg/kg dry | 4.64               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 14:11      | 01/17/2023 12:21      | CW      |
| 7439-96-5 | Manganese | 64.3   |      | mg/kg dry | 0.464              | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 14:11      | 01/17/2023 12:21      | CW      |
| 7440-02-0 | Nickel    | 7.58   |      | mg/kg dry | 0.924              | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 14:11      | 01/17/2023 12:21      | CW      |
| 7440-09-7 | Potassium | 326    |      | mg/kg dry | 4.64               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 14:11      | 01/17/2023 12:21      | CW      |
| 7782-49-2 | Selenium  | ND     |      | mg/kg dry | 2.32               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 14:11      | 01/17/2023 12:21      | CW      |
| 7440-22-4 | Silver    | ND     |      | mg/kg dry | 0.467              | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 14:11      | 01/17/2023 12:21      | CW      |
| 7440-23-5 | Sodium    | 348    |      | mg/kg dry | 46.4               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 14:11      | 01/17/2023 12:21      | CW      |
| 7440-28-0 | Thallium  | ND     |      | mg/kg dry | 2.32               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 14:11      | 01/17/2023 12:21      | CW      |
| 7440-62-2 | Vanadium  | 22.1   |      | mg/kg dry | 0.924              | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 14:11      | 01/17/2023 12:21      | CW      |
| 7440-66-6 | Zinc      | 29.0   |      | mg/kg dry | 2.31               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 14:11      | 01/17/2023 12:21      | CW      |

### Mercury by 7473

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 7473 soil

| CAS No.   | Parameter | Result | Flag | Units     | Reported to<br>LOQ | Dilution | Reference Method                                                    | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|--------------------|----------|---------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7439-97-6 | Mercury   | 0.151  |      | mg/kg dry | 0.0334             | 1        | EPA 7473<br>Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP | 01/12/2023 09:20      | 01/12/2023 12:12      | MR      |

### Total Solids

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: % Solids Prep

| CAS No. | Parameter  | Result | Flag | Units | Reported to<br>LOQ | Dilution | Reference Method                          | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|------------|--------|------|-------|--------------------|----------|-------------------------------------------|-----------------------|-----------------------|---------|
| solids  | * % Solids | 89.9   |      | %     | 0.100              | 1        | SM 2540G<br>Certifications: CTDOH-PH-0723 | 01/12/2023 07:58      | 01/12/2023 13:35      | sgs     |





## Sample Information

**Client Sample ID:** DUPLICATE

**York Sample ID:** 23A0461-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0461

21003-0004

Soil

January 10, 2023 3:00 pm

01/11/2023

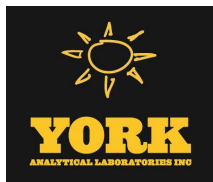
### Volatile Organics, 8260 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.  | Parameter                                            | Result        | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                                 | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|------------------------------------------------------|---------------|------|-----------|------------------------|--------|----------|----------------------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 630-20-6 | 1,1,1,2-Tetrachloroethane                            | ND            |      | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 71-55-6  | 1,1,1-Trichloroethane                                | ND            |      | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 79-34-5  | 1,1,2,2-Tetrachloroethane                            | ND            |      | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 76-13-1  | 1,1,2-Trichloro-1,2,2-trifluoroethane<br>(Freon 113) | ND            |      | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP     | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 79-00-5  | 1,1,2-Trichloroethane                                | ND            |      | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 75-34-3  | 1,1-Dichloroethane                                   | ND            |      | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 75-35-4  | 1,1-Dichloroethylene                                 | ND            |      | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 87-61-6  | 1,2,3-Trichlorobenzene                               | ND            |      | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 96-18-4  | 1,2,3-Trichloropropane                               | ND            |      | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP                   | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 120-82-1 | 1,2,4-Trichlorobenzene                               | ND            |      | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 95-63-6  | <b>1,2,4-Trimethylbenzene</b>                        | <b>0.0038</b> | J    | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA  | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 96-12-8  | 1,2-Dibromo-3-chloropropane                          | ND            |      | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 106-93-4 | 1,2-Dibromoethane                                    | ND            |      | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 95-50-1  | 1,2-Dichlorobenzene                                  | ND            |      | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 107-06-2 | 1,2-Dichloroethane                                   | ND            |      | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 78-87-5  | 1,2-Dichloropropane                                  | ND            |      | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 108-67-8 | 1,3,5-Trimethylbenzene                               | ND            |      | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 541-73-1 | 1,3-Dichlorobenzene                                  | ND            |      | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 106-46-7 | 1,4-Dichlorobenzene                                  | ND            |      | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 123-91-1 | 1,4-Dioxane                                          | ND            |      | mg/kg dry | 0.046                  | 0.092  | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 78-93-3  | 2-Butanone                                           | ND            |      | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 591-78-6 | 2-Hexanone                                           | ND            |      | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 108-10-1 | <b>4-Methyl-2-pentanone</b>                          | <b>0.0033</b> | J    | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA  | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |



## Sample Information

**Client Sample ID:** DUPLICATE

**York Sample ID:** 23A0461-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0461

21003-0004

Soil

January 10, 2023 3:00 pm

01/11/2023

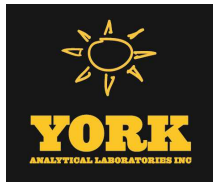
### Volatile Organics, 8260 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.    | Parameter                 | Result | Flag  | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                                 | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|---------------------------|--------|-------|-----------|------------------------|--------|----------|----------------------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 67-64-1    | Acetone                   | 0.0055 | J     | mg/kg dry | 0.0046                 | 0.0092 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA  | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 107-02-8   | Acrolein                  | ND     |       | mg/kg dry | 0.0046                 | 0.0092 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 107-13-1   | Acrylonitrile             | ND     |       | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 71-43-2    | Benzene                   | ND     |       | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 74-97-5    | Bromochloromethane        | ND     |       | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 75-27-4    | Bromodichloromethane      | ND     |       | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 75-25-2    | Bromoform                 | ND     |       | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 74-83-9    | Bromomethane              | ND     |       | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 75-15-0    | Carbon disulfide          | ND     |       | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 56-23-5    | Carbon tetrachloride      | ND     | CAL-E | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 108-90-7   | Chlorobenzene             | ND     |       | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 75-00-3    | Chloroethane              | ND     |       | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 67-66-3    | Chloroform                | ND     |       | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 74-87-3    | Chloromethane             | ND     |       | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 156-59-2   | cis-1,2-Dichloroethylene  | ND     |       | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND     |       | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 110-82-7   | Cyclohexane               | ND     |       | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 124-48-1   | Dibromochloromethane      | ND     |       | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 74-95-3    | Dibromomethane            | ND     |       | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 75-71-8    | Dichlorodifluoromethane   | ND     |       | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 100-41-4   | Ethyl Benzene             | ND     |       | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 87-68-3    | Hexachlorobutadiene       | ND     |       | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 98-82-8    | Isopropylbenzene          | ND     |       | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |



## Sample Information

**Client Sample ID:** DUPLICATE

**York Sample ID:** 23A0461-03

York Project (SDG) No.

23A0461

Client Project ID

21003-0004

Matrix

Soil

Collection Date/Time

January 10, 2023 3:00 pm

Date Received

01/11/2023

### Volatile Organics, 8260 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.                     | Parameter                                 | Result        | Flag                    | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                                 | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|-------------------------------------------|---------------|-------------------------|-----------|------------------------|--------|----------|----------------------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 79-20-9                     | Methyl acetate                            | ND            |                         | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 1634-04-4                   | Methyl tert-butyl ether (MTBE)            | ND            |                         | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 108-87-2                    | Methylcyclohexane                         | ND            |                         | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 75-09-2                     | Methylene chloride                        | ND            |                         | mg/kg dry | 0.0046                 | 0.0092 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 104-51-8                    | n-Butylbenzene                            | ND            |                         | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 103-65-1                    | n-Propylbenzene                           | ND            |                         | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 95-47-6                     | <b>o-Xylene</b>                           | <b>0.0028</b> | J                       | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP     | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 179601-23-1                 | <b>p- &amp; m- Xylenes</b>                | <b>0.0066</b> | J                       | mg/kg dry | 0.0046                 | 0.0092 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP     | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 99-87-6                     | p-Isopropyltoluene                        | ND            |                         | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 135-98-8                    | sec-Butylbenzene                          | ND            |                         | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 100-42-5                    | Styrene                                   | ND            |                         | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 75-65-0                     | tert-Butyl alcohol (TBA)                  | ND            |                         | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP             | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 98-06-6                     | tert-Butylbenzene                         | ND            |                         | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 127-18-4                    | <b>Tetrachloroethylene</b>                | <b>0.0078</b> | CCVE                    | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA  | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 108-88-3                    | <b>Toluene</b>                            | <b>0.0024</b> | J                       | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA  | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 156-60-5                    | trans-1,2-Dichloroethylene                | ND            |                         | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 10061-02-6                  | trans-1,3-Dichloropropylene               | ND            |                         | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 79-01-6                     | Trichloroethylene                         | ND            |                         | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 75-69-4                     | Trichlorofluoromethane                    | ND            |                         | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 75-01-4                     | Vinyl Chloride                            | ND            |                         | mg/kg dry | 0.0023                 | 0.0046 | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| 1330-20-7                   | <b>Xylenes, Total</b>                     | <b>0.0094</b> | J                       | mg/kg dry | 0.0069                 | 0.014  | 1        | EPA 8260C<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP     | 01/14/2023 06:54      | 01/15/2023 07:13      | JTG     |
| <b>Surrogate Recoveries</b> |                                           | <b>Result</b> | <b>Acceptance Range</b> |           |                        |        |          |                                                                                  |                       |                       |         |
| 17060-07-0                  | Surrogate: SURR:<br>1,2-Dichloroethane-d4 | 114 %         | 77-125                  |           |                        |        |          |                                                                                  |                       |                       |         |
| 2037-26-5                   | Surrogate: SURR: Toluene-d8               | 104 %         | 85-120                  |           |                        |        |          |                                                                                  |                       |                       |         |



## Sample Information

**Client Sample ID:** DUPLICATE

**York Sample ID:** 23A0461-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0461

21003-0004

Soil

January 10, 2023 3:00 pm

01/11/2023

### Volatile Organics, 8260 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No.  | Parameter                                | Result | Flag | Units | Reported to<br>LOD/MDL | LOQ | Dilution | Reference Method | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|------------------------------------------|--------|------|-------|------------------------|-----|----------|------------------|-----------------------|-----------------------|---------|
| 460-00-4 | Surrogate: SURR:<br>p-Bromofluorobenzene | 114 %  |      |       | 76-130                 |     |          |                  |                       |                       |         |

### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.  | Parameter                             | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|---------------------------------------|--------|------|-----------|------------------------|--------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 92-52-4  | 1,1-Biphenyl                          | ND     |      | mg/kg dry | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/15/2023 10:06      | 01/16/2023 13:57      | KH      |
| 95-94-3  | 1,2,4,5-Tetrachlorobenzene            | ND     |      | mg/kg dry | 0.0852                 | 0.170  | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/15/2023 10:06      | 01/16/2023 13:57      | KH      |
| 120-82-1 | 1,2,4-Trichlorobenzene                | ND     |      | mg/kg dry | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/15/2023 10:06      | 01/16/2023 13:57      | KH      |
| 95-50-1  | 1,2-Dichlorobenzene                   | ND     |      | mg/kg dry | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP                     | 01/15/2023 10:06      | 01/16/2023 13:57      | KH      |
| 122-66-7 | 1,2-Diphenylhydrazine (as Azobenzene) | ND     |      | mg/kg dry | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/15/2023 10:06      | 01/16/2023 13:57      | KH      |
| 541-73-1 | 1,3-Dichlorobenzene                   | ND     |      | mg/kg dry | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP                     | 01/15/2023 10:06      | 01/16/2023 13:57      | KH      |
| 106-46-7 | 1,4-Dichlorobenzene                   | ND     |      | mg/kg dry | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP                     | 01/15/2023 10:06      | 01/16/2023 13:57      | KH      |
| 58-90-2  | 2,3,4,6-Tetrachlorophenol             | ND     |      | mg/kg dry | 0.0852                 | 0.170  | 2        | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP               | 01/15/2023 10:06      | 01/16/2023 13:57      | KH      |
| 95-95-4  | 2,4,5-Trichlorophenol                 | ND     |      | mg/kg dry | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/15/2023 10:06      | 01/16/2023 13:57      | KH      |
| 88-06-2  | 2,4,6-Trichlorophenol                 | ND     |      | mg/kg dry | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/15/2023 10:06      | 01/16/2023 13:57      | KH      |
| 120-83-2 | 2,4-Dichlorophenol                    | ND     |      | mg/kg dry | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/15/2023 10:06      | 01/16/2023 13:57      | KH      |
| 105-67-9 | 2,4-Dimethylphenol                    | ND     |      | mg/kg dry | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/15/2023 10:06      | 01/16/2023 13:57      | KH      |
| 51-28-5  | 2,4-Dinitrophenol                     | ND     |      | mg/kg dry | 0.0852                 | 0.170  | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/15/2023 10:06      | 01/16/2023 13:57      | KH      |
| 121-14-2 | 2,4-Dinitrotoluene                    | ND     |      | mg/kg dry | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/15/2023 10:06      | 01/16/2023 13:57      | KH      |
| 606-20-2 | 2,6-Dinitrotoluene                    | ND     |      | mg/kg dry | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/15/2023 10:06      | 01/16/2023 13:57      | KH      |
| 91-58-7  | 2-Chloronaphthalene                   | ND     |      | mg/kg dry | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/15/2023 10:06      | 01/16/2023 13:57      | KH      |
| 95-57-8  | 2-Chlorophenol                        | ND     |      | mg/kg dry | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/15/2023 10:06      | 01/16/2023 13:57      | KH      |
| 91-57-6  | 2-Methylnaphthalene                   | ND     |      | mg/kg dry | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/15/2023 10:06      | 01/16/2023 13:57      | KH      |
| 95-48-7  | 2-Methylphenol                        | ND     |      | mg/kg dry | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/15/2023 10:06      | 01/16/2023 13:57      | KH      |



## Sample Information

**Client Sample ID:** DUPLICATE

**York Sample ID:** 23A0461-03

York Project (SDG) No.  
23A0461

Client Project ID  
21003-0004

Matrix  
Soil

Collection Date/Time  
January 10, 2023 3:00 pm

Date Received  
01/11/2023

### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.    | Parameter                   | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method             | Date/Time<br>Prepared                                       | Date/Time<br>Analyzed | Analyst |
|------------|-----------------------------|--------|------|-----------|------------------------|--------|----------|------------------------------|-------------------------------------------------------------|-----------------------|---------|
| 88-74-4    | 2-Nitroaniline              | ND     |      | mg/kg dry | 0.0852                 | 0.170  | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:57      | KH      |
| 88-75-5    | 2-Nitrophenol               | ND     |      | mg/kg dry | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:57      | KH      |
| 65794-96-9 | 3- & 4-Methylphenols        | ND     |      | mg/kg dry | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:57      | KH      |
| 91-94-1    | 3,3-Dichlorobenzidine       | ND     |      | mg/kg dry | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>NELAC-NY10854,NJDEP,PADEP               | 01/16/2023 13:57      | KH      |
| 99-09-2    | 3-Nitroaniline              | ND     |      | mg/kg dry | 0.0852                 | 0.170  | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:57      | KH      |
| 534-52-1   | 4,6-Dinitro-2-methylphenol  | ND     |      | mg/kg dry | 0.0852                 | 0.170  | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:57      | KH      |
| 101-55-3   | 4-Bromophenyl phenyl ether  | ND     |      | mg/kg dry | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:57      | KH      |
| 59-50-7    | 4-Chloro-3-methylphenol     | ND     |      | mg/kg dry | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:57      | KH      |
| 106-47-8   | 4-Chloroaniline             | ND     |      | mg/kg dry | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:57      | KH      |
| 7005-72-3  | 4-Chlorophenyl phenyl ether | ND     |      | mg/kg dry | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:57      | KH      |
| 100-01-6   | 4-Nitroaniline              | ND     |      | mg/kg dry | 0.0852                 | 0.170  | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:57      | KH      |
| 100-02-7   | 4-Nitrophenol               | ND     |      | mg/kg dry | 0.0852                 | 0.170  | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:57      | KH      |
| 83-32-9    | Acenaphthene                | ND     |      | mg/kg dry | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:57      | KH      |
| 208-96-8   | Acenaphthylene              | ND     |      | mg/kg dry | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:57      | KH      |
| 98-86-2    | Acetophenone                | ND     |      | mg/kg dry | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>NELAC-NY10854,NJDEP,PADEP               | 01/16/2023 13:57      | KH      |
| 62-53-3    | Aniline                     | ND     |      | mg/kg dry | 0.171                  | 0.341  | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>NELAC-NY10854,NJDEP,PADEP               | 01/16/2023 13:57      | KH      |
| 120-12-7   | Anthracene                  | ND     |      | mg/kg dry | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:57      | KH      |
| 1912-24-9  | Atrazine                    | ND     |      | mg/kg dry | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>NELAC-NY10854,NJDEP,PADEP               | 01/16/2023 13:57      | KH      |
| 100-52-7   | Benzaldehyde                | ND     |      | mg/kg dry | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>NELAC-NY10854,NJDEP,PADEP               | 01/16/2023 13:57      | KH      |
| 92-87-5    | Benzidine                   | ND     |      | mg/kg dry | 0.171                  | 0.341  | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:57      | KH      |
| 56-55-3    | Benzo(a)anthracene          | ND     |      | mg/kg dry | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:57      | KH      |
| 50-32-8    | Benzo(a)pyrene              | ND     |      | mg/kg dry | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:57      | KH      |
| 205-99-2   | Benzo(b)fluoranthene        | ND     |      | mg/kg dry | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:57      | KH      |



## Sample Information

**Client Sample ID:** DUPLICATE

**York Sample ID:** 23A0461-03

York Project (SDG) No.  
23A0461

Client Project ID  
21003-0004

Matrix  
Soil

Collection Date/Time  
January 10, 2023 3:00 pm

Date Received  
01/11/2023

### Semi-Volatiles, 8270 - Comprehensive

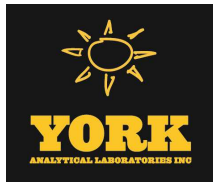
### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.  | Parameter                   | Result | Flag | Units     | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method             | Date/Time<br>Prepared                                       | Date/Time<br>Analyzed | Analyst |
|----------|-----------------------------|--------|------|-----------|------------------------|--------|----------|------------------------------|-------------------------------------------------------------|-----------------------|---------|
| 191-24-2 | Benzo(g,h,i)perylene        | ND     |      | mg/kg dry | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:57      | KH      |
| 207-08-9 | Benzo(k)fluoranthene        | ND     |      | mg/kg dry | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:57      | KH      |
| 65-85-0  | Benzoic acid                | ND     |      | mg/kg dry | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>NELAC-NY10854,NJDEP,PADEP               | 01/16/2023 13:57      | KH      |
| 100-51-6 | Benzyl alcohol              | ND     |      | mg/kg dry | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>NELAC-NY10854,NJDEP,PADEP               | 01/16/2023 13:57      | KH      |
| 85-68-7  | Benzyl butyl phthalate      | ND     |      | mg/kg dry | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:57      | KH      |
| 111-91-1 | Bis(2-chloroethoxy)methane  | ND     |      | mg/kg dry | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:57      | KH      |
| 111-44-4 | Bis(2-chloroethyl)ether     | ND     |      | mg/kg dry | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:57      | KH      |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND     |      | mg/kg dry | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:57      | KH      |
| 117-81-7 | Bis(2-ethylhexyl)phthalate  | ND     |      | mg/kg dry | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:57      | KH      |
| 105-60-2 | Caprolactam                 | ND     |      | mg/kg dry | 0.0852                 | 0.170  | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>NELAC-NY10854,NJDEP,PADEP               | 01/16/2023 13:57      | KH      |
| 86-74-8  | Carbazole                   | ND     |      | mg/kg dry | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:57      | KH      |
| 218-01-9 | Chrysene                    | ND     |      | mg/kg dry | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:57      | KH      |
| 53-70-3  | Dibenzo(a,h)anthracene      | ND     |      | mg/kg dry | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:57      | KH      |
| 132-64-9 | Dibenzofuran                | ND     |      | mg/kg dry | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:57      | KH      |
| 84-66-2  | Diethyl phthalate           | ND     |      | mg/kg dry | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:57      | KH      |
| 131-11-3 | Dimethyl phthalate          | ND     |      | mg/kg dry | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:57      | KH      |
| 84-74-2  | Di-n-butyl phthalate        | ND     |      | mg/kg dry | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:57      | KH      |
| 117-84-0 | Di-n-octyl phthalate        | ND     |      | mg/kg dry | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:57      | KH      |
| 206-44-0 | Fluoranthene                | ND     |      | mg/kg dry | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:57      | KH      |
| 86-73-7  | Fluorene                    | ND     |      | mg/kg dry | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>NELAC-NY10854,NJDEP,PADEP               | 01/16/2023 13:57      | KH      |
| 118-74-1 | Hexachlorobenzene           | ND     |      | mg/kg dry | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:57      | KH      |
| 87-68-3  | Hexachlorobutadiene         | ND     |      | mg/kg dry | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:57      | KH      |
| 77-47-4  | Hexachlorocyclopentadiene   | ND     |      | mg/kg dry | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:57      | KH      |





## Sample Information

**Client Sample ID:** DUPLICATE

**York Sample ID:** 23A0461-03

York Project (SDG) No.

23A0461

Client Project ID

21003-0004

Matrix

Soil

Collection Date/Time

January 10, 2023 3:00 pm

Date Received

01/11/2023

### Semi-Volatiles, 8270 - Comprehensive

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                                | Result        | Flag | Units                   | Reported to<br>LOD/MDL | LOQ    | Dilution | Reference Method             | Date/Time<br>Prepared                                       | Date/Time<br>Analyzed | Analyst |
|-----------------------------|------------------------------------------|---------------|------|-------------------------|------------------------|--------|----------|------------------------------|-------------------------------------------------------------|-----------------------|---------|
| 67-72-1                     | Hexachloroethane                         | ND            |      | mg/kg dry               | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:57      | KH      |
| 193-39-5                    | Indeno(1,2,3-cd)pyrene                   | ND            |      | mg/kg dry               | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:57      | KH      |
| 78-59-1                     | Isophorone                               | ND            |      | mg/kg dry               | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:57      | KH      |
| 91-20-3                     | Naphthalene                              | ND            |      | mg/kg dry               | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:57      | KH      |
| 98-95-3                     | Nitrobenzene                             | ND            |      | mg/kg dry               | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:57      | KH      |
| 62-75-9                     | N-Nitrosodimethylamine                   | ND            |      | mg/kg dry               | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:57      | KH      |
| 621-64-7                    | N-nitroso-di-n-propylamine               | ND            |      | mg/kg dry               | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:57      | KH      |
| 86-30-6                     | N-Nitrosodiphenylamine                   | ND            |      | mg/kg dry               | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:57      | KH      |
| 87-86-5                     | Pentachlorophenol                        | ND            |      | mg/kg dry               | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:57      | KH      |
| 85-01-8                     | Phenanthrene                             | ND            |      | mg/kg dry               | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:57      | KH      |
| 108-95-2                    | Phenol                                   | ND            |      | mg/kg dry               | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:57      | KH      |
| 129-00-0                    | Pyrene                                   | ND            |      | mg/kg dry               | 0.0427                 | 0.0852 | 2        | EPA 8270D<br>Certifications: | 01/15/2023 10:06<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 13:57      | KH      |
| <b>Surrogate Recoveries</b> |                                          | <b>Result</b> |      | <b>Acceptance Range</b> |                        |        |          |                              |                                                             |                       |         |
| 367-12-4                    | Surrogate: SURR: 2-Fluorophenol          | 73.4 %        |      |                         |                        |        |          |                              |                                                             |                       |         |
| 4165-62-2                   | Surrogate: SURR: Phenol-d5               | 68.3 %        |      |                         |                        |        |          |                              |                                                             |                       |         |
| 4165-60-0                   | Surrogate: SURR: Nitrobenzene-d5         | 91.2 %        |      |                         |                        |        |          |                              |                                                             |                       |         |
| 321-60-8                    | Surrogate: SURR: 2-Fluorobiphenyl        | 71.8 %        |      |                         |                        |        |          |                              |                                                             |                       |         |
| 118-79-6                    | Surrogate: SURR:<br>2,4,6-Tribromophenol | 117 %         | S-08 |                         |                        |        |          |                              |                                                             |                       |         |
| 1718-51-0                   | Surrogate: SURR: Terphenyl-d14           | 83.3 %        |      |                         |                        |        |          |                              |                                                             |                       |         |

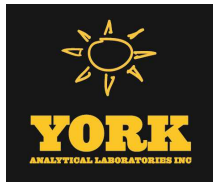
### Pesticides, 8081 target list

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.  | Parameter | Result | Flag | Units     | Reported to<br>LOQ | Dilution | Reference Method             | Date/Time<br>Prepared                                       | Date/Time<br>Analyzed | Analyst |
|----------|-----------|--------|------|-----------|--------------------|----------|------------------------------|-------------------------------------------------------------|-----------------------|---------|
| 72-54-8  | 4,4'-DDD  | ND     |      | mg/kg dry | 0.00167            | 5        | EPA 8081B<br>Certifications: | 01/13/2023 08:48<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/17/2023 00:46      | BJ      |
| 72-55-9  | 4,4'-DDE  | ND     |      | mg/kg dry | 0.00167            | 5        | EPA 8081B<br>Certifications: | 01/13/2023 08:48<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/17/2023 00:46      | BJ      |
| 50-29-3  | 4,4'-DDT  | ND     |      | mg/kg dry | 0.00167            | 5        | EPA 8081B<br>Certifications: | 01/13/2023 08:48<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/17/2023 00:46      | BJ      |
| 309-00-2 | Aldrin    | ND     |      | mg/kg dry | 0.00167            | 5        | EPA 8081B<br>Certifications: | 01/13/2023 08:48<br>CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/17/2023 00:46      | BJ      |



## Sample Information

**Client Sample ID:** DUPLICATE

**York Sample ID:** 23A0461-03

**York Project (SDG) No.**

23A0461

**Client Project ID**

21003-0004

**Matrix**

Soil

**Collection Date/Time**

January 10, 2023 3:00 pm

**Date Received**

01/11/2023

### Pesticides, 8081 target list

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                       | Result        | Flag                    | Units     | Reported to<br>LOQ | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|-------------------------|-----------|--------------------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 319-84-6                    | alpha-BHC                       | ND            |                         | mg/kg dry | 0.00167            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 08:48      | 01/17/2023 00:46      | BJ      |
| 5103-71-9                   | alpha-Chlordane                 | ND            |                         | mg/kg dry | 0.00167            | 5        | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP                     | 01/13/2023 08:48      | 01/17/2023 00:46      | BJ      |
| 319-85-7                    | beta-BHC                        | ND            |                         | mg/kg dry | 0.00167            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 08:48      | 01/17/2023 00:46      | BJ      |
| 12789-03-6                  | Chlordane, total                | ND            |                         | mg/kg dry | 0.0335             | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 08:48      | 01/17/2023 00:46      | BJ      |
| 319-86-8                    | delta-BHC                       | ND            |                         | mg/kg dry | 0.00167            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 08:48      | 01/17/2023 00:46      | BJ      |
| 60-57-1                     | Dieldrin                        | ND            |                         | mg/kg dry | 0.00167            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 08:48      | 01/17/2023 00:46      | BJ      |
| 959-98-8                    | Endosulfan I                    | ND            |                         | mg/kg dry | 0.00167            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 08:48      | 01/17/2023 00:46      | BJ      |
| 33213-65-9                  | Endosulfan II                   | ND            |                         | mg/kg dry | 0.00167            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854             | 01/13/2023 08:48      | 01/17/2023 00:46      | BJ      |
| 1031-07-8                   | Endosulfan sulfate              | ND            |                         | mg/kg dry | 0.00167            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 08:48      | 01/17/2023 00:46      | BJ      |
| 72-20-8                     | Endrin                          | ND            |                         | mg/kg dry | 0.00167            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 08:48      | 01/17/2023 00:46      | BJ      |
| 7421-93-4                   | Endrin aldehyde                 | ND            |                         | mg/kg dry | 0.00167            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 08:48      | 01/17/2023 00:46      | BJ      |
| 53494-70-5                  | Endrin ketone                   | ND            |                         | mg/kg dry | 0.00167            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 08:48      | 01/17/2023 00:46      | BJ      |
| 58-89-9                     | gamma-BHC (Lindane)             | ND            |                         | mg/kg dry | 0.00167            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 08:48      | 01/17/2023 00:46      | BJ      |
| 5566-34-7                   | gamma-Chlordane                 | ND            |                         | mg/kg dry | 0.00167            | 5        | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP                     | 01/13/2023 08:48      | 01/17/2023 00:46      | BJ      |
| 76-44-8                     | Heptachlor                      | ND            |                         | mg/kg dry | 0.00167            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 08:48      | 01/17/2023 00:46      | BJ      |
| 1024-57-3                   | Heptachlor epoxide              | ND            |                         | mg/kg dry | 0.00167            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 08:48      | 01/17/2023 00:46      | BJ      |
| 72-43-5                     | Methoxychlor                    | ND            |                         | mg/kg dry | 0.00837            | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 08:48      | 01/17/2023 00:46      | BJ      |
| 8001-35-2                   | Toxaphene                       | ND            |                         | mg/kg dry | 0.0847             | 5        | EPA 8081B<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/13/2023 08:48      | 01/17/2023 00:46      | BJ      |
| <b>Surrogate Recoveries</b> |                                 | <b>Result</b> | <b>Acceptance Range</b> |           |                    |          |                                                                      |                       |                       |         |
| 2051-24-3                   | Surrogate: Decachlorobiphenyl   | 85.1 %        | 30-150                  |           |                    |          |                                                                      |                       |                       |         |
| 877-09-8                    | Surrogate: Tetrachloro-m-xylene | 106 %         | 30-150                  |           |                    |          |                                                                      |                       |                       |         |

### Polychlorinated Biphenyls (PCB)

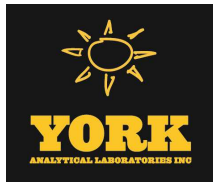
### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to<br>LOQ | Dilution | Reference Method | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|-----------|--------|------|-------|--------------------|----------|------------------|-----------------------|-----------------------|---------|
|---------|-----------|--------|------|-------|--------------------|----------|------------------|-----------------------|-----------------------|---------|





## Sample Information

**Client Sample ID:** DUPLICATE

**York Sample ID:** 23A0461-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0461

21003-0004

Soil

January 10, 2023 3:00 pm

01/11/2023

### Polychlorinated Biphenyls (PCB)

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No.                     | Parameter                       | Result        | Flag                    | Units     | Reported to<br>LOQ | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|-------------------------|-----------|--------------------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 12674-11-2                  | Aroclor 1016                    | ND            |                         | mg/kg dry | 0.0169             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/13/2023 08:48      | 01/16/2023 18:30      | BJ      |
| 11104-28-2                  | Aroclor 1221                    | ND            |                         | mg/kg dry | 0.0169             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/13/2023 08:48      | 01/16/2023 18:30      | BJ      |
| 11141-16-5                  | Aroclor 1232                    | ND            |                         | mg/kg dry | 0.0169             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/13/2023 08:48      | 01/16/2023 18:30      | BJ      |
| 53469-21-9                  | Aroclor 1242                    | ND            |                         | mg/kg dry | 0.0169             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/13/2023 08:48      | 01/16/2023 18:30      | BJ      |
| 12672-29-6                  | Aroclor 1248                    | ND            |                         | mg/kg dry | 0.0169             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/13/2023 08:48      | 01/16/2023 18:30      | BJ      |
| 11097-69-1                  | Aroclor 1254                    | ND            |                         | mg/kg dry | 0.0169             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/13/2023 08:48      | 01/16/2023 18:30      | BJ      |
| 11096-82-5                  | Aroclor 1260                    | ND            |                         | mg/kg dry | 0.0169             | 1        | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | 01/13/2023 08:48      | 01/16/2023 18:30      | BJ      |
| 1336-36-3                   | * Total PCBs                    | ND            |                         | mg/kg dry | 0.0169             | 1        | EPA 8082A<br>Certifications:                                         | 01/13/2023 08:48      | 01/16/2023 18:30      | BJ      |
| <b>Surrogate Recoveries</b> |                                 | <b>Result</b> | <b>Acceptance Range</b> |           |                    |          |                                                                      |                       |                       |         |
| 877-09-8                    | Surrogate: Tetrachloro-m-xylene | 91.5 %        | 30-140                  |           |                    |          |                                                                      |                       |                       |         |
| 2051-24-3                   | Surrogate: Decachlorobiphenyl   | 83.5 %        | 30-140                  |           |                    |          |                                                                      |                       |                       |         |

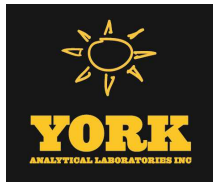
### Metals, Target Analyte

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter | Result | Flag | Units     | Reported to<br>LOQ | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|--------------------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7429-90-5 | Aluminum  | 9960   |      | mg/kg dry | 4.28               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 15:57      | 01/17/2023 13:13      | CW      |
| 7440-36-0 | Antimony  | ND     |      | mg/kg dry | 2.14               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 15:57      | 01/17/2023 13:13      | CW      |
| 7440-38-2 | Arsenic   | 2.26   |      | mg/kg dry | 1.28               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 15:57      | 01/17/2023 13:13      | CW      |
| 7440-39-3 | Barium    | 18.1   |      | mg/kg dry | 2.14               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 15:57      | 01/17/2023 13:13      | CW      |
| 7440-41-7 | Beryllium | 0.279  |      | mg/kg dry | 0.043              | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 15:57      | 01/17/2023 13:13      | CW      |
| 7440-43-9 | Cadmium   | ND     |      | mg/kg dry | 0.257              | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 15:57      | 01/17/2023 13:13      | CW      |
| 7440-70-2 | Calcium   | 668    |      | mg/kg dry | 4.28               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 15:57      | 01/17/2023 13:13      | CW      |
| 7440-47-3 | Chromium  | 11.3   |      | mg/kg dry | 0.429              | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 15:57      | 01/17/2023 13:13      | CW      |
| 7440-48-4 | Cobalt    | 2.02   |      | mg/kg dry | 0.342              | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 15:57      | 01/17/2023 13:13      | CW      |



## Sample Information

**Client Sample ID:** DUPLICATE

**York Sample ID:** 23A0461-03

York Project (SDG) No.

23A0461

Client Project ID

21003-0004

Matrix

Soil

Collection Date/Time

January 10, 2023 3:00 pm

Date Received

01/11/2023

### Metals, Target Analyte

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3050B

| CAS No.   | Parameter | Result | Flag | Units     | Reported to<br>LOQ | Dilution | Reference Method                                                     | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|--------------------|----------|----------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7440-50-8 | Copper    | 4.50   |      | mg/kg dry | 1.71               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 15:57      | 01/17/2023 13:13      | CW      |
| 7439-89-6 | Iron      | 10900  |      | mg/kg dry | 21.4               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 15:57      | 01/17/2023 13:13      | CW      |
| 7439-92-1 | Lead      | 26.7   |      | mg/kg dry | 0.429              | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 15:57      | 01/17/2023 13:13      | CW      |
| 7439-95-4 | Magnesium | 634    |      | mg/kg dry | 4.29               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 15:57      | 01/17/2023 13:13      | CW      |
| 7439-96-5 | Manganese | 51.2   |      | mg/kg dry | 0.429              | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 15:57      | 01/17/2023 13:13      | CW      |
| 7440-02-0 | Nickel    | 6.73   |      | mg/kg dry | 0.853              | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 15:57      | 01/17/2023 13:13      | CW      |
| 7440-09-7 | Potassium | 250    |      | mg/kg dry | 4.29               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 15:57      | 01/17/2023 13:13      | CW      |
| 7782-49-2 | Selenium  | ND     |      | mg/kg dry | 2.14               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 15:57      | 01/17/2023 13:13      | CW      |
| 7440-22-4 | Silver    | ND     |      | mg/kg dry | 0.432              | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 15:57      | 01/17/2023 13:13      | CW      |
| 7440-23-5 | Sodium    | 265    |      | mg/kg dry | 42.8               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 15:57      | 01/17/2023 13:13      | CW      |
| 7440-28-0 | Thallium  | ND     |      | mg/kg dry | 2.14               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 15:57      | 01/17/2023 13:13      | CW      |
| 7440-62-2 | Vanadium  | 18.2   |      | mg/kg dry | 0.853              | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 15:57      | 01/17/2023 13:13      | CW      |
| 7440-66-6 | Zinc      | 27.4   |      | mg/kg dry | 2.13               | 1        | EPA 6010D<br>Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | 01/16/2023 15:57      | 01/17/2023 13:13      | CW      |

### Mercury by 7473

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 7473 soil

| CAS No.   | Parameter | Result | Flag | Units     | Reported to<br>LOQ | Dilution | Reference Method                                                    | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|--------------------|----------|---------------------------------------------------------------------|-----------------------|-----------------------|---------|
| 7439-97-6 | Mercury   | 0.0824 |      | mg/kg dry | 0.0308             | 1        | EPA 7473<br>Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP | 01/12/2023 09:20      | 01/12/2023 12:22      | MR      |

### Total Solids

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: % Solids Prep

| CAS No. | Parameter  | Result | Flag | Units | Reported to<br>LOQ | Dilution | Reference Method                          | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|------------|--------|------|-------|--------------------|----------|-------------------------------------------|-----------------------|-----------------------|---------|
| solids  | * % Solids | 97.3   |      | %     | 0.100              | 1        | SM 2540G<br>Certifications: CTDOH-PH-0723 | 01/12/2023 07:58      | 01/12/2023 13:35      | sgs     |



## Analytical Batch Summary

**Batch ID:** BA30528      **Preparation Method:** % Solids Prep      **Prepared By:** sgs

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 23A0461-01     | B-8W 0-2         | 01/12/23         |
| 23A0461-02     | B-8W 2-4         | 01/12/23         |
| 23A0461-03     | DUPLICATE        | 01/12/23         |
| BA30528-DUP1   | Duplicate        | 01/12/23         |

**Batch ID:** BA30554      **Preparation Method:** EPA 7473 soil      **Prepared By:** MR

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 23A0461-01     | B-8W 0-2         | 01/12/23         |
| 23A0461-02     | B-8W 2-4         | 01/12/23         |
| 23A0461-03     | DUPLICATE        | 01/12/23         |
| BA30554-BLK1   | Blank            | 01/12/23         |
| BA30554-DUP1   | Duplicate        | 01/12/23         |
| BA30554-MS1    | Matrix Spike     | 01/12/23         |
| BA30554-SRM1   | Reference        | 01/12/23         |

**Batch ID:** BA30618      **Preparation Method:** EPA 3550C      **Prepared By:** FK

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 23A0461-01     | B-8W 0-2         | 01/13/23         |
| 23A0461-01     | B-8W 0-2         | 01/13/23         |
| 23A0461-02     | B-8W 2-4         | 01/13/23         |
| 23A0461-02     | B-8W 2-4         | 01/13/23         |
| 23A0461-03     | DUPLICATE        | 01/13/23         |
| 23A0461-03     | DUPLICATE        | 01/13/23         |
| BA30618-BLK1   | Blank            | 01/13/23         |
| BA30618-BLK2   | Blank            | 01/13/23         |
| BA30618-BS1    | LCS              | 01/13/23         |
| BA30618-BS2    | LCS              | 01/13/23         |
| BA30618-MS2    | Matrix Spike     | 01/13/23         |
| BA30618-MSD2   | Matrix Spike Dup | 01/13/23         |

**Batch ID:** BA30673      **Preparation Method:** EPA 3550C      **Prepared By:** CLO

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 23A0461-01     | B-8W 0-2         | 01/15/23         |
| 23A0461-02     | B-8W 2-4         | 01/15/23         |
| 23A0461-03     | DUPLICATE        | 01/15/23         |
| BA30673-BLK1   | Blank            | 01/15/23         |
| BA30673-BS1    | LCS              | 01/15/23         |
| BA30673-MS1    | Matrix Spike     | 01/15/23         |
| BA30673-MSD1   | Matrix Spike Dup | 01/15/23         |



**Batch ID:** BA30733

**Preparation Method:** EPA 3050B

**Prepared By:** KMQ

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 23A0461-01     | B-8W 0-2         | 01/16/23         |
| 23A0461-02     | B-8W 2-4         | 01/16/23         |
| BA30733-BLK1   | Blank            | 01/16/23         |
| BA30733-DUP1   | Duplicate        | 01/16/23         |
| BA30733-MS1    | Matrix Spike     | 01/16/23         |
| BA30733-PS1    | Post Spike       | 01/16/23         |
| BA30733-SRM1   | Reference        | 01/16/23         |

**Batch ID:** BA30750

**Preparation Method:** EPA 3050B

**Prepared By:** KMQ

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 23A0461-03     | DUPLICATE        | 01/16/23         |
| BA30750-BLK1   | Blank            | 01/16/23         |
| BA30750-DUP1   | Duplicate        | 01/16/23         |
| BA30750-MS1    | Matrix Spike     | 01/16/23         |
| BA30750-PS1    | Post Spike       | 01/16/23         |
| BA30750-SRM1   | Reference        | 01/16/23         |

**Batch ID:** BA30902

**Preparation Method:** EPA 5035A

**Prepared By:** BMC

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 23A0461-01     | B-8W 0-2         | 01/14/23         |
| 23A0461-02     | B-8W 2-4         | 01/14/23         |
| 23A0461-03     | DUPLICATE        | 01/14/23         |
| BA30902-BLK1   | Blank            | 01/14/23         |
| BA30902-BS1    | LCS              | 01/14/23         |
| BA30902-BSD1   | LCS Dup          | 01/14/23         |



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

### York Analytical Laboratories, Inc. - Stratford

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source*<br>Result | %REC | %REC<br>Limits | Flag | RPD | RPD<br>Limit | Flag |
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|

#### Batch BA30902 - EPA 5035A

##### Blank (BA30902-BLK1)

Prepared: 01/14/2023 Analyzed: 01/15/2023

|                                                   |    |        |           |
|---------------------------------------------------|----|--------|-----------|
| 1,1,1,2-Tetrachloroethane                         | ND | 0.0050 | mg/kg wet |
| 1,1,1-Trichloroethane                             | ND | 0.0050 | "         |
| 1,1,2,2-Tetrachloroethane                         | ND | 0.0050 | "         |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | 0.0050 | "         |
| 1,1,2-Trichloroethane                             | ND | 0.0050 | "         |
| 1,1-Dichloroethane                                | ND | 0.0050 | "         |
| 1,1-Dichloroethylene                              | ND | 0.0050 | "         |
| 1,2,3-Trichlorobenzene                            | ND | 0.0050 | "         |
| 1,2,3-Trichloropropane                            | ND | 0.0050 | "         |
| 1,2,4-Trichlorobenzene                            | ND | 0.0050 | "         |
| 1,2,4-Trimethylbenzene                            | ND | 0.0050 | "         |
| 1,2-Dibromo-3-chloropropane                       | ND | 0.0050 | "         |
| 1,2-Dibromoethane                                 | ND | 0.0050 | "         |
| 1,2-Dichlorobenzene                               | ND | 0.0050 | "         |
| 1,2-Dichloroethane                                | ND | 0.0050 | "         |
| 1,2-Dichloropropane                               | ND | 0.0050 | "         |
| 1,3,5-Trimethylbenzene                            | ND | 0.0050 | "         |
| 1,3-Dichlorobenzene                               | ND | 0.0050 | "         |
| 1,4-Dichlorobenzene                               | ND | 0.0050 | "         |
| 1,4-Dioxane                                       | ND | 0.10   | "         |
| 2-Butanone                                        | ND | 0.0050 | "         |
| 2-Hexanone                                        | ND | 0.0050 | "         |
| 4-Methyl-2-pentanone                              | ND | 0.0050 | "         |
| Acetone                                           | ND | 0.010  | "         |
| Acrolein                                          | ND | 0.010  | "         |
| Acrylonitrile                                     | ND | 0.0050 | "         |
| Benzene                                           | ND | 0.0050 | "         |
| Bromochloromethane                                | ND | 0.0050 | "         |
| Bromodichloromethane                              | ND | 0.0050 | "         |
| Bromoform                                         | ND | 0.0050 | "         |
| Bromomethane                                      | ND | 0.0050 | "         |
| Carbon disulfide                                  | ND | 0.0050 | "         |
| Carbon tetrachloride                              | ND | 0.0050 | "         |
| Chlorobenzene                                     | ND | 0.0050 | "         |
| Chloroethane                                      | ND | 0.0050 | "         |
| Chloroform                                        | ND | 0.0050 | "         |
| Chloromethane                                     | ND | 0.0050 | "         |
| cis-1,2-Dichloroethylene                          | ND | 0.0050 | "         |
| cis-1,3-Dichloropropylene                         | ND | 0.0050 | "         |
| Cyclohexane                                       | ND | 0.0050 | "         |
| Dibromochloromethane                              | ND | 0.0050 | "         |
| Dibromomethane                                    | ND | 0.0050 | "         |
| Dichlorodifluoromethane                           | ND | 0.0050 | "         |
| Ethyl Benzene                                     | ND | 0.0050 | "         |
| Hexachlorobutadiene                               | ND | 0.0050 | "         |
| Isopropylbenzene                                  | ND | 0.0050 | "         |
| Methyl acetate                                    | ND | 0.0050 | "         |
| Methyl tert-butyl ether (MTBE)                    | ND | 0.0050 | "         |
| Methylcyclohexane                                 | ND | 0.0050 | "         |



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

### York Analytical Laboratories, Inc. - Stratford

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

#### Batch BA30902 - EPA 5035A

##### Blank (BA30902-BLK1)

Prepared: 01/14/2023 Analyzed: 01/15/2023

|                             |    |        |           |
|-----------------------------|----|--------|-----------|
| Methylene chloride          | ND | 0.010  | mg/kg wet |
| n-Butylbenzene              | ND | 0.0050 | "         |
| n-Propylbenzene             | ND | 0.0050 | "         |
| o-Xylene                    | ND | 0.0050 | "         |
| p- & m- Xylenes             | ND | 0.010  | "         |
| p-Isopropyltoluene          | ND | 0.0050 | "         |
| sec-Butylbenzene            | ND | 0.0050 | "         |
| Styrene                     | ND | 0.0050 | "         |
| tert-Butyl alcohol (TBA)    | ND | 0.0050 | "         |
| tert-Butylbenzene           | ND | 0.0050 | "         |
| Tetrachloroethylene         | ND | 0.0050 | "         |
| Toluene                     | ND | 0.0050 | "         |
| trans-1,2-Dichloroethylene  | ND | 0.0050 | "         |
| trans-1,3-Dichloropropylene | ND | 0.0050 | "         |
| Trichloroethylene           | ND | 0.0050 | "         |
| Trichlorofluoromethane      | ND | 0.0050 | "         |
| Vinyl Chloride              | ND | 0.0050 | "         |
| Xylenes, Total              | ND | 0.015  | "         |

|                                         |      |      |      |     |        |
|-----------------------------------------|------|------|------|-----|--------|
| Surrogate: SURRE: 1,2-Dichloroethane-d4 | 53.9 | ug/L | 50.0 | 108 | 77-125 |
| Surrogate: SURRE: Toluene-d8            | 52.7 | "    | 50.0 | 105 | 85-120 |
| Surrogate: SURRE: p-Bromofluorobenzene  | 57.6 | "    | 50.0 | 115 | 76-130 |

##### LCS (BA30902-BS1)

Prepared: 01/14/2023 Analyzed: 01/15/2023

|                                                   |      |      |      |      |                  |
|---------------------------------------------------|------|------|------|------|------------------|
| 1,1,1,2-Tetrachloroethane                         | 49   | ug/L | 50.0 | 98.7 | 75-129           |
| 1,1,1-Trichloroethane                             | 49   | "    | 50.0 | 98.8 | 71-137           |
| 1,1,2,2-Tetrachloroethane                         | 48   | "    | 50.0 | 95.7 | 79-129           |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 76   | "    | 50.0 | 153  | 58-146 High Bias |
| 1,1,2-Trichloroethane                             | 46   | "    | 50.0 | 92.4 | 83-123           |
| 1,1-Dichloroethane                                | 42   | "    | 50.0 | 84.9 | 75-130           |
| 1,1-Dichloroethylene                              | 59   | "    | 50.0 | 119  | 64-137           |
| 1,2,3-Trichlorobenzene                            | 43   | "    | 50.0 | 86.7 | 81-140           |
| 1,2,3-Trichloropropane                            | 49   | "    | 50.0 | 98.0 | 81-126           |
| 1,2,4-Trichlorobenzene                            | 42   | "    | 50.0 | 84.9 | 80-141           |
| 1,2,4-Trimethylbenzene                            | 47   | "    | 50.0 | 93.7 | 84-125           |
| 1,2-Dibromo-3-chloropropane                       | 52   | "    | 50.0 | 104  | 74-142           |
| 1,2-Dibromoethane                                 | 48   | "    | 50.0 | 95.8 | 86-123           |
| 1,2-Dichlorobenzene                               | 48   | "    | 50.0 | 95.7 | 85-122           |
| 1,2-Dichloroethane                                | 48   | "    | 50.0 | 96.1 | 71-133           |
| 1,2-Dichloropropane                               | 48   | "    | 50.0 | 95.2 | 81-122           |
| 1,3,5-Trimethylbenzene                            | 48   | "    | 50.0 | 96.3 | 82-126           |
| 1,3-Dichlorobenzene                               | 45   | "    | 50.0 | 89.1 | 84-124           |
| 1,4-Dichlorobenzene                               | 45   | "    | 50.0 | 89.6 | 84-124           |
| 1,4-Dioxane                                       | 1600 | "    | 1050 | 152  | 10-228           |
| 2-Butanone                                        | 36   | "    | 50.0 | 71.5 | 58-147           |
| 2-Hexanone                                        | 45   | "    | 50.0 | 90.9 | 70-139           |
| 4-Methyl-2-pentanone                              | 38   | "    | 50.0 | 75.0 | 72-132           |
| Acetone                                           | 28   | "    | 50.0 | 55.3 | 36-155           |
| Acrolein                                          | 28   | "    | 50.0 | 56.1 | 10-238           |
| Acrylonitrile                                     | 44   | "    | 50.0 | 88.6 | 66-141           |
| Benzene                                           | 44   | "    | 50.0 | 88.4 | 77-127           |



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

### York Analytical Laboratories, Inc. - Stratford

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source*<br>Result | %REC | %REC<br>Limits | Flag | RPD | RPD<br>Limit | Flag |
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|

#### Batch BA30902 - EPA 5035A

#### LCS (BA30902-BS1)

Prepared: 01/14/2023 Analyzed: 01/15/2023

|                                        |      |  |      |      |  |      |        |           |  |  |  |
|----------------------------------------|------|--|------|------|--|------|--------|-----------|--|--|--|
| Bromochloromethane                     | 46   |  | ug/L | 50.0 |  | 91.5 | 74-129 |           |  |  |  |
| Bromodichloromethane                   | 51   |  | "    | 50.0 |  | 101  | 81-124 |           |  |  |  |
| Bromoform                              | 46   |  | "    | 50.0 |  | 91.6 | 80-136 |           |  |  |  |
| Bromomethane                           | 69   |  | "    | 50.0 |  | 137  | 32-177 |           |  |  |  |
| Carbon disulfide                       | 49   |  | "    | 50.0 |  | 98.0 | 10-136 |           |  |  |  |
| Carbon tetrachloride                   | 49   |  | "    | 50.0 |  | 99.0 | 66-143 |           |  |  |  |
| Chlorobenzene                          | 48   |  | "    | 50.0 |  | 96.1 | 86-120 |           |  |  |  |
| Chloroethane                           | 60   |  | "    | 50.0 |  | 120  | 51-142 |           |  |  |  |
| Chloroform                             | 46   |  | "    | 50.0 |  | 92.2 | 76-131 |           |  |  |  |
| Chloromethane                          | 66   |  | "    | 50.0 |  | 133  | 49-132 | High Bias |  |  |  |
| cis-1,2-Dichloroethylene               | 45   |  | "    | 50.0 |  | 89.7 | 74-132 |           |  |  |  |
| cis-1,3-Dichloropropylene              | 47   |  | "    | 50.0 |  | 94.5 | 81-129 |           |  |  |  |
| Cyclohexane                            | 45   |  | "    | 50.0 |  | 89.1 | 70-130 |           |  |  |  |
| Dibromochloromethane                   | 45   |  | "    | 50.0 |  | 90.6 | 10-200 |           |  |  |  |
| Dibromomethane                         | 48   |  | "    | 50.0 |  | 95.7 | 83-124 |           |  |  |  |
| Dichlorodifluoromethane                | 85   |  | "    | 50.0 |  | 171  | 28-158 | High Bias |  |  |  |
| Ethyl Benzene                          | 46   |  | "    | 50.0 |  | 92.2 | 84-125 |           |  |  |  |
| Hexachlorobutadiene                    | 43   |  | "    | 50.0 |  | 85.5 | 83-133 |           |  |  |  |
| Isopropylbenzene                       | 48   |  | "    | 50.0 |  | 96.9 | 81-127 |           |  |  |  |
| Methyl acetate                         | 43   |  | "    | 50.0 |  | 85.7 | 41-143 |           |  |  |  |
| Methyl tert-butyl ether (MTBE)         | 43   |  | "    | 50.0 |  | 86.3 | 74-131 |           |  |  |  |
| Methylcyclohexane                      | 44   |  | "    | 50.0 |  | 87.6 | 70-130 |           |  |  |  |
| Methylene chloride                     | 45   |  | "    | 50.0 |  | 90.5 | 57-141 |           |  |  |  |
| n-Butylbenzene                         | 47   |  | "    | 50.0 |  | 94.4 | 80-130 |           |  |  |  |
| n-Propylbenzene                        | 47   |  | "    | 50.0 |  | 94.9 | 74-136 |           |  |  |  |
| o-Xylene                               | 47   |  | "    | 50.0 |  | 93.9 | 83-123 |           |  |  |  |
| p- & m- Xylenes                        | 97   |  | "    | 100  |  | 97.4 | 82-128 |           |  |  |  |
| p-Isopropyltoluene                     | 48   |  | "    | 50.0 |  | 95.6 | 85-125 |           |  |  |  |
| sec-Butylbenzene                       | 48   |  | "    | 50.0 |  | 95.8 | 83-125 |           |  |  |  |
| Styrene                                | 46   |  | "    | 50.0 |  | 93.0 | 86-126 |           |  |  |  |
| tert-Butyl alcohol (TBA)               | 230  |  | "    | 250  |  | 93.4 | 70-130 |           |  |  |  |
| tert-Butylbenzene                      | 41   |  | "    | 50.0 |  | 81.0 | 80-127 |           |  |  |  |
| Tetrachloroethylene                    | 41   |  | "    | 50.0 |  | 82.3 | 80-129 |           |  |  |  |
| Toluene                                | 47   |  | "    | 50.0 |  | 93.2 | 85-121 |           |  |  |  |
| trans-1,2-Dichloroethylene             | 44   |  | "    | 50.0 |  | 87.3 | 72-132 |           |  |  |  |
| trans-1,3-Dichloropropylene            | 48   |  | "    | 50.0 |  | 95.6 | 78-132 |           |  |  |  |
| Trichloroethylene                      | 48   |  | "    | 50.0 |  | 95.4 | 84-123 |           |  |  |  |
| Trichlorofluoromethane                 | 59   |  | "    | 50.0 |  | 117  | 62-140 |           |  |  |  |
| Vinyl Chloride                         | 66   |  | "    | 50.0 |  | 132  | 52-130 | High Bias |  |  |  |
| Surrogate: SURR: 1,2-Dichloroethane-d4 | 52.5 |  | "    | 50.0 |  | 105  | 77-125 |           |  |  |  |
| Surrogate: SURR: Toluene-d8            | 52.0 |  | "    | 50.0 |  | 104  | 85-120 |           |  |  |  |
| Surrogate: SURR: p-Bromofluorobenzene  | 49.5 |  | "    | 50.0 |  | 98.9 | 76-130 |           |  |  |  |



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

### York Analytical Laboratories, Inc. - Stratford

| Analyte                                           | Result | Reporting Limit | Units | Spike Level | Source* Result | %REC                                      | %REC Limits | Flag      | RPD    | Limit | Flag |
|---------------------------------------------------|--------|-----------------|-------|-------------|----------------|-------------------------------------------|-------------|-----------|--------|-------|------|
| <b>Batch BA30902 - EPA 5035A</b>                  |        |                 |       |             |                |                                           |             |           |        |       |      |
| <b>LCS Dup (BA30902-BSD1)</b>                     |        |                 |       |             |                | Prepared: 01/14/2023 Analyzed: 01/15/2023 |             |           |        |       |      |
| 1,1,1,2-Tetrachloroethane                         | 51     |                 | ug/L  | 50.0        |                | 101                                       | 75-129      |           | 2.66   | 30    |      |
| 1,1,1-Trichloroethane                             | 49     |                 | "     | 50.0        |                | 98.2                                      | 71-137      |           | 0.589  | 30    |      |
| 1,1,2,2-Tetrachloroethane                         | 49     |                 | "     | 50.0        |                | 98.1                                      | 79-129      |           | 2.46   | 30    |      |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 74     |                 | "     | 50.0        |                | 148                                       | 58-146      | High Bias | 2.78   | 30    |      |
| 1,1,2-Trichloroethane                             | 48     |                 | "     | 50.0        |                | 95.6                                      | 83-123      |           | 3.40   | 30    |      |
| 1,1-Dichloroethane                                | 44     |                 | "     | 50.0        |                | 87.2                                      | 75-130      |           | 2.65   | 30    |      |
| 1,1-Dichloroethylene                              | 60     |                 | "     | 50.0        |                | 121                                       | 64-137      |           | 1.77   | 30    |      |
| 1,2,3-Trichlorobenzene                            | 43     |                 | "     | 50.0        |                | 86.6                                      | 81-140      |           | 0.115  | 30    |      |
| 1,2,3-Trichloropropane                            | 49     |                 | "     | 50.0        |                | 97.5                                      | 81-126      |           | 0.512  | 30    |      |
| 1,2,4-Trichlorobenzene                            | 42     |                 | "     | 50.0        |                | 84.5                                      | 80-141      |           | 0.496  | 30    |      |
| 1,2,4-Trimethylbenzene                            | 47     |                 | "     | 50.0        |                | 93.3                                      | 84-125      |           | 0.428  | 30    |      |
| 1,2-Dibromo-3-chloropropane                       | 54     |                 | "     | 50.0        |                | 108                                       | 74-142      |           | 3.47   | 30    |      |
| 1,2-Dibromoethane                                 | 50     |                 | "     | 50.0        |                | 101                                       | 86-123      |           | 5.17   | 30    |      |
| 1,2-Dichlorobenzene                               | 48     |                 | "     | 50.0        |                | 95.9                                      | 85-122      |           | 0.188  | 30    |      |
| 1,2-Dichloroethane                                | 49     |                 | "     | 50.0        |                | 98.7                                      | 71-133      |           | 2.65   | 30    |      |
| 1,2-Dichloropropane                               | 48     |                 | "     | 50.0        |                | 96.6                                      | 81-122      |           | 1.48   | 30    |      |
| 1,3,5-Trimethylbenzene                            | 48     |                 | "     | 50.0        |                | 96.0                                      | 82-126      |           | 0.250  | 30    |      |
| 1,3-Dichlorobenzene                               | 45     |                 | "     | 50.0        |                | 89.8                                      | 84-124      |           | 0.850  | 30    |      |
| 1,4-Dichlorobenzene                               | 45     |                 | "     | 50.0        |                | 89.2                                      | 84-124      |           | 0.358  | 30    |      |
| 1,4-Dioxane                                       | 1700   |                 | "     | 1050        |                | 158                                       | 10-228      |           | 3.57   | 30    |      |
| 2-Butanone                                        | 37     |                 | "     | 50.0        |                | 74.7                                      | 58-147      |           | 4.29   | 30    |      |
| 2-Hexanone                                        | 47     |                 | "     | 50.0        |                | 94.9                                      | 70-139      |           | 4.24   | 30    |      |
| 4-Methyl-2-pentanone                              | 39     |                 | "     | 50.0        |                | 78.2                                      | 72-132      |           | 4.18   | 30    |      |
| Acetone                                           | 28     |                 | "     | 50.0        |                | 56.3                                      | 36-155      |           | 1.76   | 30    |      |
| Acrolein                                          | 28     |                 | "     | 50.0        |                | 55.0                                      | 10-238      |           | 2.05   | 30    |      |
| Acrylonitrile                                     | 46     |                 | "     | 50.0        |                | 92.5                                      | 66-141      |           | 4.35   | 30    |      |
| Benzene                                           | 45     |                 | "     | 50.0        |                | 89.2                                      | 77-127      |           | 0.901  | 30    |      |
| Bromochloromethane                                | 47     |                 | "     | 50.0        |                | 93.2                                      | 74-129      |           | 1.78   | 30    |      |
| Bromodichloromethane                              | 51     |                 | "     | 50.0        |                | 102                                       | 81-124      |           | 0.926  | 30    |      |
| Bromoform                                         | 48     |                 | "     | 50.0        |                | 96.1                                      | 80-136      |           | 4.79   | 30    |      |
| Bromomethane                                      | 67     |                 | "     | 50.0        |                | 133                                       | 32-177      |           | 3.04   | 30    |      |
| Carbon disulfide                                  | 49     |                 | "     | 50.0        |                | 97.9                                      | 10-136      |           | 0.102  | 30    |      |
| Carbon tetrachloride                              | 50     |                 | "     | 50.0        |                | 100                                       | 66-143      |           | 1.46   | 30    |      |
| Chlorobenzene                                     | 49     |                 | "     | 50.0        |                | 98.8                                      | 86-120      |           | 2.75   | 30    |      |
| Chloroethane                                      | 62     |                 | "     | 50.0        |                | 124                                       | 51-142      |           | 3.57   | 30    |      |
| Chloroform                                        | 46     |                 | "     | 50.0        |                | 92.1                                      | 76-131      |           | 0.0868 | 30    |      |
| Chloromethane                                     | 66     |                 | "     | 50.0        |                | 132                                       | 49-132      |           | 0.286  | 30    |      |
| cis-1,2-Dichloroethylene                          | 45     |                 | "     | 50.0        |                | 89.7                                      | 74-132      |           | 0.0446 | 30    |      |
| cis-1,3-Dichloropropylene                         | 48     |                 | "     | 50.0        |                | 96.5                                      | 81-129      |           | 2.07   | 30    |      |
| Cyclohexane                                       | 44     |                 | "     | 50.0        |                | 88.5                                      | 70-130      |           | 0.698  | 30    |      |
| Dibromochloromethane                              | 48     |                 | "     | 50.0        |                | 95.0                                      | 10-200      |           | 4.74   | 30    |      |
| Dibromomethane                                    | 50     |                 | "     | 50.0        |                | 99.9                                      | 83-124      |           | 4.29   | 30    |      |
| Dichlorodifluoromethane                           | 85     |                 | "     | 50.0        |                | 170                                       | 28-158      | High Bias | 0.763  | 30    |      |
| Ethyl Benzene                                     | 47     |                 | "     | 50.0        |                | 93.7                                      | 84-125      |           | 1.59   | 30    |      |
| Hexachlorobutadiene                               | 43     |                 | "     | 50.0        |                | 86.7                                      | 83-133      |           | 1.32   | 30    |      |
| Isopropylbenzene                                  | 48     |                 | "     | 50.0        |                | 96.4                                      | 81-127      |           | 0.559  | 30    |      |
| Methyl acetate                                    | 44     |                 | "     | 50.0        |                | 88.6                                      | 41-143      |           | 3.40   | 30    |      |
| Methyl tert-butyl ether (MTBE)                    | 44     |                 | "     | 50.0        |                | 88.4                                      | 74-131      |           | 2.45   | 30    |      |
| Methylcyclohexane                                 | 44     |                 | "     | 50.0        |                | 87.8                                      | 70-130      |           | 0.137  | 30    |      |
| Methylene chloride                                | 45     |                 | "     | 50.0        |                | 89.8                                      | 57-141      |           | 0.776  | 30    |      |





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

### York Analytical Laboratories, Inc. - Stratford

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source*<br>Result | %REC | %REC<br>Limits | Flag | RPD | RPD<br>Limit | Flag |
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|

#### Batch BA30902 - EPA 5035A

#### LCS Dup (BA30902-BSD1)

Prepared: 01/14/2023 Analyzed: 01/15/2023

|                                        |      |  |      |      |  |      |        |           |       |    |  |
|----------------------------------------|------|--|------|------|--|------|--------|-----------|-------|----|--|
| n-Butylbenzene                         | 47   |  | ug/L | 50.0 |  | 94.0 | 80-130 |           | 0.467 | 30 |  |
| n-Propylbenzene                        | 47   |  | "    | 50.0 |  | 94.5 | 74-136 |           | 0.465 | 30 |  |
| o-Xylene                               | 47   |  | "    | 50.0 |  | 95.0 | 83-123 |           | 1.14  | 30 |  |
| p- & m- Xylenes                        | 99   |  | "    | 100  |  | 98.6 | 82-128 |           | 1.26  | 30 |  |
| p-Isopropyltoluene                     | 47   |  | "    | 50.0 |  | 94.3 | 85-125 |           | 1.37  | 30 |  |
| sec-Butylbenzene                       | 47   |  | "    | 50.0 |  | 94.8 | 83-125 |           | 1.03  | 30 |  |
| Styrene                                | 48   |  | "    | 50.0 |  | 95.3 | 86-126 |           | 2.46  | 30 |  |
| tert-Butyl alcohol (TBA)               | 250  |  | "    | 250  |  | 100  | 70-130 |           | 7.04  | 30 |  |
| tert-Butylbenzene                      | 41   |  | "    | 50.0 |  | 81.4 | 80-127 |           | 0.443 | 30 |  |
| Tetrachloroethylene                    | 42   |  | "    | 50.0 |  | 83.6 | 80-129 |           | 1.64  | 30 |  |
| Toluene                                | 47   |  | "    | 50.0 |  | 93.5 | 85-121 |           | 0.279 | 30 |  |
| trans-1,2-Dichloroethylene             | 44   |  | "    | 50.0 |  | 88.5 | 72-132 |           | 1.46  | 30 |  |
| trans-1,3-Dichloropropylene            | 49   |  | "    | 50.0 |  | 97.4 | 78-132 |           | 1.78  | 30 |  |
| Trichloroethylene                      | 49   |  | "    | 50.0 |  | 97.1 | 84-123 |           | 1.81  | 30 |  |
| Trichlorofluoromethane                 | 58   |  | "    | 50.0 |  | 116  | 62-140 |           | 0.961 | 30 |  |
| Vinyl Chloride                         | 66   |  | "    | 50.0 |  | 131  | 52-130 | High Bias | 0.471 | 30 |  |
| Surrogate: SURR: 1,2-Dichloroethane-d4 | 52.9 |  | "    | 50.0 |  | 106  | 77-125 |           |       |    |  |
| Surrogate: SURR: Toluene-d8            | 52.6 |  | "    | 50.0 |  | 105  | 85-120 |           |       |    |  |
| Surrogate: SURR: p-Bromofluorobenzene  | 49.0 |  | "    | 50.0 |  | 98.0 | 76-130 |           |       |    |  |



## Semivolatile Organic Compounds by GC/MS - Quality Control Data

### York Analytical Laboratories, Inc. - Stratford

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source*<br>Result | %REC | %REC<br>Limits | Flag | RPD | RPD<br>Limit | Flag |
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|

#### Batch BA30673 - EPA 3550C

##### Blank (BA30673-BLK1)

Prepared: 01/15/2023 Analyzed: 01/16/2023

|                                       |    |        |           |
|---------------------------------------|----|--------|-----------|
| 1,1-Biphenyl                          | ND | 0.0417 | mg/kg wet |
| 1,2,4,5-Tetrachlorobenzene            | ND | 0.0833 | "         |
| 1,2,4-Trichlorobenzene                | ND | 0.0417 | "         |
| 1,2-Dichlorobenzene                   | ND | 0.0417 | "         |
| 1,2-Diphenylhydrazine (as Azobenzene) | ND | 0.0417 | "         |
| 1,3-Dichlorobenzene                   | ND | 0.0417 | "         |
| 1,4-Dichlorobenzene                   | ND | 0.0417 | "         |
| 2,3,4,6-Tetrachlorophenol             | ND | 0.0833 | "         |
| 2,4,5-Trichlorophenol                 | ND | 0.0417 | "         |
| 2,4,6-Trichlorophenol                 | ND | 0.0417 | "         |
| 2,4-Dichlorophenol                    | ND | 0.0417 | "         |
| 2,4-Dimethylphenol                    | ND | 0.0417 | "         |
| 2,4-Dinitrophenol                     | ND | 0.0833 | "         |
| 2,4-Dinitrotoluene                    | ND | 0.0417 | "         |
| 2,6-Dinitrotoluene                    | ND | 0.0417 | "         |
| 2-Chloronaphthalene                   | ND | 0.0417 | "         |
| 2-Chlorophenol                        | ND | 0.0417 | "         |
| 2-Methylnaphthalene                   | ND | 0.0417 | "         |
| 2-Methylphenol                        | ND | 0.0417 | "         |
| 2-Nitroaniline                        | ND | 0.0833 | "         |
| 2-Nitrophenol                         | ND | 0.0417 | "         |
| 3- & 4-Methylphenols                  | ND | 0.0417 | "         |
| 3,3-Dichlorobenzidine                 | ND | 0.0417 | "         |
| 3-Nitroaniline                        | ND | 0.0833 | "         |
| 4,6-Dinitro-2-methylphenol            | ND | 0.0833 | "         |
| 4-Bromophenyl phenyl ether            | ND | 0.0417 | "         |
| 4-Chloro-3-methylphenol               | ND | 0.0417 | "         |
| 4-Chloroaniline                       | ND | 0.0417 | "         |
| 4-Chlorophenyl phenyl ether           | ND | 0.0417 | "         |
| 4-Nitroaniline                        | ND | 0.0833 | "         |
| 4-Nitrophenol                         | ND | 0.0833 | "         |
| Acenaphthene                          | ND | 0.0417 | "         |
| Acenaphthylene                        | ND | 0.0417 | "         |
| Acetophenone                          | ND | 0.0417 | "         |
| Aniline                               | ND | 0.167  | "         |
| Anthracene                            | ND | 0.0417 | "         |
| Atrazine                              | ND | 0.0417 | "         |
| Benzaldehyde                          | ND | 0.0417 | "         |
| Benzidine                             | ND | 0.167  | "         |
| Benzo(a)anthracene                    | ND | 0.0417 | "         |
| Benzo(a)pyrene                        | ND | 0.0417 | "         |
| Benzo(b)fluoranthene                  | ND | 0.0417 | "         |
| Benzo(g,h,i)perylene                  | ND | 0.0417 | "         |
| Benzo(k)fluoranthene                  | ND | 0.0417 | "         |
| Benzoic acid                          | ND | 0.0417 | "         |
| Benzyl alcohol                        | ND | 0.0417 | "         |
| Benzyl butyl phthalate                | ND | 0.0417 | "         |
| Bis(2-chloroethoxy)methane            | ND | 0.0417 | "         |
| Bis(2-chloroethyl)ether               | ND | 0.0417 | "         |
| Bis(2-chloroisopropyl)ether           | ND | 0.0417 | "         |
| Bis(2-ethylhexyl)phthalate            | ND | 0.0417 | "         |



## Semivolatile Organic Compounds by GC/MS - Quality Control Data

### York Analytical Laboratories, Inc. - Stratford

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source*<br>Result | %REC | %REC<br>Limits | Flag | RPD | RPD<br>Limit | Flag |
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|

#### Batch BA30673 - EPA 3550C

##### Blank (BA30673-BLK1)

Prepared: 01/15/2023 Analyzed: 01/16/2023

|                                       |       |        |           |       |  |      |        |  |  |  |  |
|---------------------------------------|-------|--------|-----------|-------|--|------|--------|--|--|--|--|
| Caprolactam                           | ND    | 0.0833 | mg/kg wet |       |  |      |        |  |  |  |  |
| Carbazole                             | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Chrysene                              | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Dibenzo(a,h)anthracene                | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Dibenzofuran                          | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Diethyl phthalate                     | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Dimethyl phthalate                    | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Di-n-butyl phthalate                  | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Di-n-octyl phthalate                  | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Fluoranthene                          | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Fluorene                              | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Hexachlorobenzene                     | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Hexachlorobutadiene                   | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Hexachlorocyclopentadiene             | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Hexachloroethane                      | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Indeno(1,2,3-cd)pyrene                | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Isophorone                            | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Naphthalene                           | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Nitrobenzene                          | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| N-Nitrosodimethylamine                | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| N-nitroso-di-n-propylamine            | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| N-Nitrosodiphenylamine                | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Pentachlorophenol                     | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Phenanthrene                          | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Phenol                                | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Pyrene                                | ND    | 0.0417 | "         |       |  |      |        |  |  |  |  |
| Surrogate: SURR: 2-Fluorophenol       | 1.04  |        | "         | 1.67  |  | 62.2 | 20-108 |  |  |  |  |
| Surrogate: SURR: Phenol-d5            | 1.02  |        | "         | 1.67  |  | 61.0 | 23-114 |  |  |  |  |
| Surrogate: SURR: Nitrobenzene-d5      | 0.560 |        | "         | 0.833 |  | 67.2 | 22-108 |  |  |  |  |
| Surrogate: SURR: 2-Fluorobiphenyl     | 0.528 |        | "         | 0.833 |  | 63.3 | 21-113 |  |  |  |  |
| Surrogate: SURR: 2,4,6-Tribromophenol | 1.06  |        | "         | 1.67  |  | 63.8 | 19-110 |  |  |  |  |
| Surrogate: SURR: Terphenyl-d14        | 0.583 |        | "         | 0.833 |  | 69.9 | 24-116 |  |  |  |  |



## Semivolatile Organic Compounds by GC/MS - Quality Control Data

### York Analytical Laboratories, Inc. - Stratford

| Analyte                               | Result | Reporting Limit | Units     | Spike Level | Source* Result | %REC                                      | %REC Limits | Flag     | RPD | RPD Limit | Flag |
|---------------------------------------|--------|-----------------|-----------|-------------|----------------|-------------------------------------------|-------------|----------|-----|-----------|------|
| <b>Batch BA30673 - EPA 3550C</b>      |        |                 |           |             |                |                                           |             |          |     |           |      |
| <b>LCS (BA30673-BS1)</b>              |        |                 |           |             |                | Prepared: 01/15/2023 Analyzed: 01/16/2023 |             |          |     |           |      |
| 1,1-Biphenyl                          | 0.580  | 0.0417          | mg/kg wet | 0.833       |                | 69.6                                      | 18-111      |          |     |           |      |
| 1,2,4,5-Tetrachlorobenzene            | 0.671  | 0.0833          | "         | 0.833       |                | 80.5                                      | 21-131      |          |     |           |      |
| 1,2,4-Trichlorobenzene                | 0.614  | 0.0417          | "         | 0.833       |                | 73.7                                      | 10-140      |          |     |           |      |
| 1,2-Dichlorobenzene                   | 0.546  | 0.0417          | "         | 0.833       |                | 65.6                                      | 34-108      |          |     |           |      |
| 1,2-Diphenylhydrazine (as Azobenzene) | 0.569  | 0.0417          | "         | 0.833       |                | 68.3                                      | 17-137      |          |     |           |      |
| 1,3-Dichlorobenzene                   | 0.545  | 0.0417          | "         | 0.833       |                | 65.4                                      | 33-110      |          |     |           |      |
| 1,4-Dichlorobenzene                   | 0.548  | 0.0417          | "         | 0.833       |                | 65.8                                      | 32-104      |          |     |           |      |
| 2,3,4,6-Tetrachlorophenol             | 0.630  | 0.0833          | "         | 0.833       |                | 75.6                                      | 30-130      |          |     |           |      |
| 2,4,5-Trichlorophenol                 | 0.629  | 0.0417          | "         | 0.833       |                | 75.5                                      | 27-118      |          |     |           |      |
| 2,4,6-Trichlorophenol                 | 0.604  | 0.0417          | "         | 0.833       |                | 72.5                                      | 31-120      |          |     |           |      |
| 2,4-Dichlorophenol                    | 0.646  | 0.0417          | "         | 0.833       |                | 77.5                                      | 20-127      |          |     |           |      |
| 2,4-Dimethylphenol                    | 0.643  | 0.0417          | "         | 0.833       |                | 77.2                                      | 14-132      |          |     |           |      |
| 2,4-Dinitrophenol                     | 0.313  | 0.0833          | "         | 0.833       |                | 37.5                                      | 10-171      |          |     |           |      |
| 2,4-Dinitrotoluene                    | 0.750  | 0.0417          | "         | 0.833       |                | 90.0                                      | 34-131      |          |     |           |      |
| 2,6-Dinitrotoluene                    | 0.759  | 0.0417          | "         | 0.833       |                | 91.1                                      | 31-128      |          |     |           |      |
| 2-Chloronaphthalene                   | 0.590  | 0.0417          | "         | 0.833       |                | 70.8                                      | 31-117      |          |     |           |      |
| 2-Chlorophenol                        | 0.576  | 0.0417          | "         | 0.833       |                | 69.2                                      | 33-113      |          |     |           |      |
| 2-Methylnaphthalene                   | 0.607  | 0.0417          | "         | 0.833       |                | 72.8                                      | 12-138      |          |     |           |      |
| 2-Methylphenol                        | 0.591  | 0.0417          | "         | 0.833       |                | 71.0                                      | 10-136      |          |     |           |      |
| 2-Nitroaniline                        | 0.695  | 0.0833          | "         | 0.833       |                | 83.4                                      | 27-132      |          |     |           |      |
| 2-Nitrophenol                         | 0.676  | 0.0417          | "         | 0.833       |                | 81.1                                      | 17-129      |          |     |           |      |
| 3- & 4-Methylphenols                  | 0.515  | 0.0417          | "         | 0.833       |                | 61.8                                      | 29-103      |          |     |           |      |
| 3,3-Dichlorobenzidine                 | 0.531  | 0.0417          | "         | 0.833       |                | 63.7                                      | 22-149      |          |     |           |      |
| 3-Nitroaniline                        | 0.538  | 0.0833          | "         | 0.833       |                | 64.6                                      | 20-133      |          |     |           |      |
| 4,6-Dinitro-2-methylphenol            | 0.644  | 0.0833          | "         | 0.833       |                | 77.2                                      | 10-143      |          |     |           |      |
| 4-Bromophenyl phenyl ether            | 0.600  | 0.0417          | "         | 0.833       |                | 72.0                                      | 29-120      |          |     |           |      |
| 4-Chloro-3-methylphenol               | 0.646  | 0.0417          | "         | 0.833       |                | 77.5                                      | 24-129      |          |     |           |      |
| 4-Chloroaniline                       | 0.283  | 0.0417          | "         | 0.833       |                | 34.0                                      | 10-132      |          |     |           |      |
| 4-Chlorophenyl phenyl ether           | 0.612  | 0.0417          | "         | 0.833       |                | 73.4                                      | 27-124      |          |     |           |      |
| 4-Nitroaniline                        | 0.588  | 0.0833          | "         | 0.833       |                | 70.6                                      | 16-128      |          |     |           |      |
| 4-Nitrophenol                         | 0.625  | 0.0833          | "         | 0.833       |                | 75.0                                      | 10-141      |          |     |           |      |
| Acenaphthene                          | 0.581  | 0.0417          | "         | 0.833       |                | 69.7                                      | 30-121      |          |     |           |      |
| Acenaphthylene                        | 0.552  | 0.0417          | "         | 0.833       |                | 66.2                                      | 30-115      |          |     |           |      |
| Acetophenone                          | 0.549  | 0.0417          | "         | 0.833       |                | 65.8                                      | 20-112      |          |     |           |      |
| Aniline                               | 0.523  | 0.167           | "         | 0.833       |                | 62.7                                      | 10-119      |          |     |           |      |
| Anthracene                            | 0.625  | 0.0417          | "         | 0.833       |                | 75.0                                      | 34-118      |          |     |           |      |
| Atrazine                              | 0.644  | 0.0417          | "         | 0.833       |                | 77.3                                      | 26-112      |          |     |           |      |
| Benzaldehyde                          | 0.558  | 0.0417          | "         | 0.833       |                | 67.0                                      | 21-100      |          |     |           |      |
| Benzo(a)anthracene                    | 0.592  | 0.0417          | "         | 0.833       |                | 71.0                                      | 32-122      |          |     |           |      |
| Benzo(a)pyrene                        | 0.512  | 0.0417          | "         | 0.833       |                | 61.4                                      | 29-133      |          |     |           |      |
| Benzo(b)fluoranthene                  | 0.549  | 0.0417          | "         | 0.833       |                | 65.9                                      | 25-133      |          |     |           |      |
| Benzo(g,h,i)perylene                  | 0.545  | 0.0417          | "         | 0.833       |                | 65.4                                      | 10-143      |          |     |           |      |
| Benzo(k)fluoranthene                  | 0.564  | 0.0417          | "         | 0.833       |                | 67.7                                      | 25-128      |          |     |           |      |
| Benzoic acid                          | 0.0563 | 0.0417          | "         | 0.833       |                | 6.76                                      | 10-140      | Low Bias |     |           |      |
| Benzyl alcohol                        | 0.552  | 0.0417          | "         | 0.833       |                | 66.2                                      | 30-115      |          |     |           |      |
| Benzyl butyl phthalate                | 0.596  | 0.0417          | "         | 0.833       |                | 71.5                                      | 26-126      |          |     |           |      |
| Bis(2-chloroethoxy)methane            | 0.589  | 0.0417          | "         | 0.833       |                | 70.7                                      | 19-132      |          |     |           |      |
| Bis(2-chloroethyl)ether               | 0.527  | 0.0417          | "         | 0.833       |                | 63.3                                      | 19-125      |          |     |           |      |
| Bis(2-chloroisopropyl)ether           | 0.550  | 0.0417          | "         | 0.833       |                | 66.0                                      | 20-135      |          |     |           |      |
| Bis(2-ethylhexyl)phthalate            | 0.466  | 0.0417          | "         | 0.833       |                | 55.9                                      | 10-155      |          |     |           |      |
| Caprolactam                           | 0.656  | 0.0833          | "         | 0.833       |                | 78.8                                      | 10-127      |          |     |           |      |



## Semivolatile Organic Compounds by GC/MS - Quality Control Data

### York Analytical Laboratories, Inc. - Stratford

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source*<br>Result | %REC | %REC<br>Limits | Flag | RPD | RPD<br>Limit | Flag |
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|

#### Batch BA30673 - EPA 3550C

##### LCS (BA30673-BS1)

Prepared: 01/15/2023 Analyzed: 01/16/2023

|                                       |       |        |           |       |  |      |        |  |  |  |  |
|---------------------------------------|-------|--------|-----------|-------|--|------|--------|--|--|--|--|
| Carbazole                             | 0.618 | 0.0417 | mg/kg wet | 0.833 |  | 74.1 | 35-123 |  |  |  |  |
| Chrysene                              | 0.557 | 0.0417 | "         | 0.833 |  | 66.8 | 32-123 |  |  |  |  |
| Dibenzo(a,h)anthracene                | 0.553 | 0.0417 | "         | 0.833 |  | 66.3 | 10-136 |  |  |  |  |
| Dibenzofuran                          | 0.592 | 0.0417 | "         | 0.833 |  | 71.0 | 29-121 |  |  |  |  |
| Diethyl phthalate                     | 0.575 | 0.0417 | "         | 0.833 |  | 69.0 | 34-116 |  |  |  |  |
| Dimethyl phthalate                    | 0.601 | 0.0417 | "         | 0.833 |  | 72.1 | 35-124 |  |  |  |  |
| Di-n-butyl phthalate                  | 0.587 | 0.0417 | "         | 0.833 |  | 70.4 | 31-116 |  |  |  |  |
| Di-n-octyl phthalate                  | 0.568 | 0.0417 | "         | 0.833 |  | 68.2 | 26-136 |  |  |  |  |
| Fluoranthene                          | 0.570 | 0.0417 | "         | 0.833 |  | 68.4 | 33-122 |  |  |  |  |
| Fluorene                              | 0.592 | 0.0417 | "         | 0.833 |  | 71.1 | 29-123 |  |  |  |  |
| Hexachlorobenzene                     | 0.587 | 0.0417 | "         | 0.833 |  | 70.5 | 21-124 |  |  |  |  |
| Hexachlorobutadiene                   | 0.625 | 0.0417 | "         | 0.833 |  | 75.0 | 10-149 |  |  |  |  |
| Hexachlorocyclopentadiene             | 0.438 | 0.0417 | "         | 0.833 |  | 52.5 | 10-129 |  |  |  |  |
| Hexachloroethane                      | 0.531 | 0.0417 | "         | 0.833 |  | 63.7 | 28-108 |  |  |  |  |
| Indeno(1,2,3-cd)pyrene                | 0.577 | 0.0417 | "         | 0.833 |  | 69.2 | 10-135 |  |  |  |  |
| Isophorone                            | 0.613 | 0.0417 | "         | 0.833 |  | 73.5 | 20-132 |  |  |  |  |
| Naphthalene                           | 0.597 | 0.0417 | "         | 0.833 |  | 71.6 | 23-124 |  |  |  |  |
| Nitrobenzene                          | 0.617 | 0.0417 | "         | 0.833 |  | 74.0 | 13-132 |  |  |  |  |
| N-Nitrosodimethylamine                | 0.514 | 0.0417 | "         | 0.833 |  | 61.7 | 11-129 |  |  |  |  |
| N-nitroso-di-n-propylamine            | 0.553 | 0.0417 | "         | 0.833 |  | 66.4 | 24-119 |  |  |  |  |
| N-Nitrosodiphenylamine                | 0.681 | 0.0417 | "         | 0.833 |  | 81.7 | 22-152 |  |  |  |  |
| Pentachlorophenol                     | 0.487 | 0.0417 | "         | 0.833 |  | 58.4 | 10-139 |  |  |  |  |
| Phenanthrene                          | 0.596 | 0.0417 | "         | 0.833 |  | 71.6 | 33-123 |  |  |  |  |
| Phenol                                | 0.579 | 0.0417 | "         | 0.833 |  | 69.4 | 23-115 |  |  |  |  |
| Pyrene                                | 0.600 | 0.0417 | "         | 0.833 |  | 72.0 | 32-130 |  |  |  |  |
| Surrogate: SURR: 2-Fluorophenol       | 1.13  |        | "         | 1.67  |  | 67.6 | 20-108 |  |  |  |  |
| Surrogate: SURR: Phenol-d5            | 1.13  |        | "         | 1.67  |  | 67.7 | 23-114 |  |  |  |  |
| Surrogate: SURR: Nitrobenzene-d5      | 0.607 |        | "         | 0.833 |  | 72.9 | 22-108 |  |  |  |  |
| Surrogate: SURR: 2-Fluorobiphenyl     | 0.571 |        | "         | 0.833 |  | 68.5 | 21-113 |  |  |  |  |
| Surrogate: SURR: 2,4,6-Tribromophenol | 1.19  |        | "         | 1.67  |  | 71.6 | 19-110 |  |  |  |  |
| Surrogate: SURR: Terphenyl-d14        | 0.632 |        | "         | 0.833 |  | 75.8 | 24-116 |  |  |  |  |



## Semivolatile Organic Compounds by GC/MS - Quality Control Data

### York Analytical Laboratories, Inc. - Stratford

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

#### Batch BA30673 - EPA 3550C

| Matrix Spike (BA30673-MS1)            | *Source sample: 23A0500-01 (Matrix Spike) |        |           |       |        | Prepared: 01/15/2023 Analyzed: 01/16/2023 |        |          |  |  |  |
|---------------------------------------|-------------------------------------------|--------|-----------|-------|--------|-------------------------------------------|--------|----------|--|--|--|
| 1,1-Biphenyl                          | 0.554                                     | 0.0904 | mg/kg dry | 0.903 | ND     | 61.3                                      | 10-130 |          |  |  |  |
| 1,2,4,5-Tetrachlorobenzene            | 0.655                                     | 0.181  | "         | 0.903 | ND     | 72.5                                      | 10-133 |          |  |  |  |
| 1,2,4-Trichlorobenzene                | 0.574                                     | 0.0904 | "         | 0.903 | ND     | 63.5                                      | 10-127 |          |  |  |  |
| 1,2-Dichlorobenzene                   | 0.512                                     | 0.0904 | "         | 0.903 | ND     | 56.6                                      | 14-111 |          |  |  |  |
| 1,2-Diphenylhydrazine (as Azobenzene) | 0.538                                     | 0.0904 | "         | 0.903 | ND     | 59.5                                      | 10-144 |          |  |  |  |
| 1,3-Dichlorobenzene                   | 0.515                                     | 0.0904 | "         | 0.903 | ND     | 57.0                                      | 11-111 |          |  |  |  |
| 1,4-Dichlorobenzene                   | 0.517                                     | 0.0904 | "         | 0.903 | ND     | 57.3                                      | 10-106 |          |  |  |  |
| 2,3,4,6-Tetrachlorophenol             | 0.616                                     | 0.181  | "         | 0.903 | ND     | 68.2                                      | 30-130 |          |  |  |  |
| 2,4,5-Trichlorophenol                 | 0.580                                     | 0.0904 | "         | 0.903 | ND     | 64.2                                      | 10-127 |          |  |  |  |
| 2,4,6-Trichlorophenol                 | 0.568                                     | 0.0904 | "         | 0.903 | ND     | 62.9                                      | 10-132 |          |  |  |  |
| 2,4-Dichlorophenol                    | 0.593                                     | 0.0904 | "         | 0.903 | ND     | 65.6                                      | 10-128 |          |  |  |  |
| 2,4-Dimethylphenol                    | 0.598                                     | 0.0904 | "         | 0.903 | ND     | 66.2                                      | 10-137 |          |  |  |  |
| 2,4-Dinitrophenol                     | 0.389                                     | 0.181  | "         | 0.903 | ND     | 43.1                                      | 10-171 |          |  |  |  |
| 2,4-Dinitrotoluene                    | 0.647                                     | 0.0904 | "         | 0.903 | ND     | 71.7                                      | 16-135 |          |  |  |  |
| 2,6-Dinitrotoluene                    | 0.761                                     | 0.0904 | "         | 0.903 | ND     | 84.2                                      | 18-131 |          |  |  |  |
| 2-Chloronaphthalene                   | 0.568                                     | 0.0904 | "         | 0.903 | ND     | 62.9                                      | 10-129 |          |  |  |  |
| 2-Chlorophenol                        | 0.541                                     | 0.0904 | "         | 0.903 | ND     | 59.8                                      | 15-116 |          |  |  |  |
| 2-Methylnaphthalene                   | 0.581                                     | 0.0904 | "         | 0.903 | ND     | 64.3                                      | 10-147 |          |  |  |  |
| 2-Methylphenol                        | 0.557                                     | 0.0904 | "         | 0.903 | ND     | 61.7                                      | 10-136 |          |  |  |  |
| 2-Nitroaniline                        | 0.663                                     | 0.181  | "         | 0.903 | ND     | 73.4                                      | 10-137 |          |  |  |  |
| 2-Nitrophenol                         | 0.640                                     | 0.0904 | "         | 0.903 | ND     | 70.8                                      | 10-129 |          |  |  |  |
| 3- & 4-Methylphenols                  | 0.484                                     | 0.0904 | "         | 0.903 | ND     | 53.6                                      | 10-123 |          |  |  |  |
| 3,3-Dichlorobenzidine                 | 0.450                                     | 0.0904 | "         | 0.903 | ND     | 49.8                                      | 10-155 |          |  |  |  |
| 3-Nitroaniline                        | 0.536                                     | 0.181  | "         | 0.903 | ND     | 59.4                                      | 12-133 |          |  |  |  |
| 4,6-Dinitro-2-methylphenol            | 0.582                                     | 0.181  | "         | 0.903 | ND     | 64.5                                      | 10-155 |          |  |  |  |
| 4-Bromophenyl phenyl ether            | 0.571                                     | 0.0904 | "         | 0.903 | ND     | 63.2                                      | 14-128 |          |  |  |  |
| 4-Chloro-3-methylphenol               | 0.606                                     | 0.0904 | "         | 0.903 | ND     | 67.1                                      | 10-134 |          |  |  |  |
| 4-Chloroaniline                       | 0.373                                     | 0.0904 | "         | 0.903 | ND     | 41.3                                      | 10-145 |          |  |  |  |
| 4-Chlorophenyl phenyl ether           | 0.569                                     | 0.0904 | "         | 0.903 | ND     | 63.0                                      | 14-130 |          |  |  |  |
| 4-Nitroaniline                        | 0.564                                     | 0.181  | "         | 0.903 | ND     | 62.4                                      | 10-147 |          |  |  |  |
| 4-Nitrophenol                         | 0.564                                     | 0.181  | "         | 0.903 | ND     | 62.4                                      | 10-137 |          |  |  |  |
| Acenaphthene                          | 0.576                                     | 0.0904 | "         | 0.903 | ND     | 63.8                                      | 10-146 |          |  |  |  |
| Acenaphthylene                        | 0.517                                     | 0.0904 | "         | 0.903 | ND     | 57.3                                      | 10-134 |          |  |  |  |
| Acetophenone                          | 0.494                                     | 0.0904 | "         | 0.903 | ND     | 54.6                                      | 10-116 |          |  |  |  |
| Aniline                               | 0.419                                     | 0.362  | "         | 0.903 | ND     | 46.4                                      | 10-123 |          |  |  |  |
| Anthracene                            | 0.606                                     | 0.0904 | "         | 0.903 | ND     | 67.1                                      | 10-142 |          |  |  |  |
| Atrazine                              | 0.594                                     | 0.0904 | "         | 0.903 | ND     | 65.8                                      | 19-115 |          |  |  |  |
| Benzaldehyde                          | 0.506                                     | 0.0904 | "         | 0.903 | ND     | 56.0                                      | 10-125 |          |  |  |  |
| Benzo(a)anthracene                    | 0.623                                     | 0.0904 | "         | 0.903 | 0.0752 | 60.6                                      | 10-158 |          |  |  |  |
| Benzo(a)pyrene                        | 0.574                                     | 0.0904 | "         | 0.903 | 0.0571 | 57.3                                      | 10-180 |          |  |  |  |
| Benzo(b)fluoranthene                  | 0.614                                     | 0.0904 | "         | 0.903 | 0.0556 | 61.8                                      | 10-200 |          |  |  |  |
| Benzo(g,h,i)perylene                  | 0.589                                     | 0.0904 | "         | 0.903 | ND     | 65.2                                      | 10-138 |          |  |  |  |
| Benzo(k)fluoranthene                  | 0.596                                     | 0.0904 | "         | 0.903 | 0.0470 | 60.8                                      | 10-197 |          |  |  |  |
| Benzoic acid                          | 0.0845                                    | 0.0904 | "         | 0.903 | ND     | 9.36                                      | 10-166 | Low Bias |  |  |  |
| Benzyl alcohol                        | 0.517                                     | 0.0904 | "         | 0.903 | ND     | 57.3                                      | 12-124 |          |  |  |  |
| Benzyl butyl phthalate                | 0.553                                     | 0.0904 | "         | 0.903 | ND     | 61.2                                      | 10-154 |          |  |  |  |
| Bis(2-chloroethoxy)methane            | 0.551                                     | 0.0904 | "         | 0.903 | ND     | 61.0                                      | 10-132 |          |  |  |  |
| Bis(2-chloroethyl)ether               | 0.517                                     | 0.0904 | "         | 0.903 | ND     | 57.3                                      | 10-119 |          |  |  |  |
| Bis(2-chloroisopropyl)ether           | 0.533                                     | 0.0904 | "         | 0.903 | ND     | 59.0                                      | 10-139 |          |  |  |  |
| Bis(2-ethylhexyl)phthalate            | 0.448                                     | 0.0904 | "         | 0.903 | ND     | 49.6                                      | 10-167 |          |  |  |  |
| Caprolactam                           | 0.607                                     | 0.181  | "         | 0.903 | ND     | 67.2                                      | 10-132 |          |  |  |  |



## Semivolatile Organic Compounds by GC/MS - Quality Control Data

### York Analytical Laboratories, Inc. - Stratford

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source*<br>Result | %REC | %REC<br>Limits | Flag | RPD | RPD<br>Limit | Flag |
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|

#### Batch BA30673 - EPA 3550C

|                                       |       |                                           |           |       |        |      |        |                                           |  |  |  |
|---------------------------------------|-------|-------------------------------------------|-----------|-------|--------|------|--------|-------------------------------------------|--|--|--|
| <b>Matrix Spike (BA30673-MS1)</b>     |       | *Source sample: 23A0500-01 (Matrix Spike) |           |       |        |      |        | Prepared: 01/15/2023 Analyzed: 01/16/2023 |  |  |  |
| Carbazole                             | 0.597 | 0.0904                                    | mg/kg dry | 0.903 | ND     | 66.1 | 10-167 |                                           |  |  |  |
| Chrysene                              | 0.596 | 0.0904                                    | "         | 0.903 | 0.0650 | 58.8 | 10-156 |                                           |  |  |  |
| Dibenzo(a,h)anthracene                | 0.568 | 0.0904                                    | "         | 0.903 | ND     | 62.9 | 10-137 |                                           |  |  |  |
| Dibenzofuran                          | 0.568 | 0.0904                                    | "         | 0.903 | ND     | 62.9 | 10-147 |                                           |  |  |  |
| Diethyl phthalate                     | 0.543 | 0.0904                                    | "         | 0.903 | ND     | 60.2 | 20-120 |                                           |  |  |  |
| Dimethyl phthalate                    | 0.568 | 0.0904                                    | "         | 0.903 | ND     | 62.9 | 18-131 |                                           |  |  |  |
| Di-n-butyl phthalate                  | 0.553 | 0.0904                                    | "         | 0.903 | ND     | 61.2 | 10-137 |                                           |  |  |  |
| Di-n-octyl phthalate                  | 0.554 | 0.0904                                    | "         | 0.903 | ND     | 61.3 | 10-180 |                                           |  |  |  |
| Fluoranthene                          | 0.694 | 0.0904                                    | "         | 0.903 | 0.150  | 60.2 | 10-160 |                                           |  |  |  |
| Fluorene                              | 0.569 | 0.0904                                    | "         | 0.903 | ND     | 63.0 | 10-157 |                                           |  |  |  |
| Hexachlorobenzene                     | 0.572 | 0.0904                                    | "         | 0.903 | ND     | 63.3 | 10-137 |                                           |  |  |  |
| Hexachlorobutadiene                   | 0.583 | 0.0904                                    | "         | 0.903 | ND     | 64.6 | 10-132 |                                           |  |  |  |
| Hexachlorocyclopentadiene             | 0.338 | 0.0904                                    | "         | 0.903 | ND     | 37.4 | 10-106 |                                           |  |  |  |
| Hexachloroethane                      | 0.491 | 0.0904                                    | "         | 0.903 | ND     | 54.4 | 10-110 |                                           |  |  |  |
| Indeno(1,2,3-cd)pyrene                | 0.600 | 0.0904                                    | "         | 0.903 | ND     | 66.4 | 10-144 |                                           |  |  |  |
| Isophorone                            | 0.572 | 0.0904                                    | "         | 0.903 | ND     | 63.4 | 10-132 |                                           |  |  |  |
| Naphthalene                           | 0.585 | 0.0904                                    | "         | 0.903 | ND     | 64.8 | 10-141 |                                           |  |  |  |
| Nitrobenzene                          | 0.576 | 0.0904                                    | "         | 0.903 | ND     | 63.8 | 10-131 |                                           |  |  |  |
| N-Nitrosodimethylamine                | 0.504 | 0.0904                                    | "         | 0.903 | ND     | 55.8 | 10-126 |                                           |  |  |  |
| N-nitroso-di-n-propylamine            | 0.528 | 0.0904                                    | "         | 0.903 | ND     | 58.5 | 10-125 |                                           |  |  |  |
| N-Nitrosodiphenylamine                | 0.720 | 0.0904                                    | "         | 0.903 | ND     | 79.8 | 10-177 |                                           |  |  |  |
| Pentachlorophenol                     | 0.421 | 0.0904                                    | "         | 0.903 | ND     | 46.6 | 10-153 |                                           |  |  |  |
| Phenanthrene                          | 0.689 | 0.0904                                    | "         | 0.903 | 0.120  | 63.0 | 10-148 |                                           |  |  |  |
| Phenol                                | 0.529 | 0.0904                                    | "         | 0.903 | ND     | 58.6 | 10-126 |                                           |  |  |  |
| Pyrene                                | 0.675 | 0.0904                                    | "         | 0.903 | 0.132  | 60.2 | 10-165 |                                           |  |  |  |
| Surrogate: SURR: 2-Fluorophenol       | 1.02  |                                           | "         | 1.81  |        | 56.3 | 20-108 |                                           |  |  |  |
| Surrogate: SURR: Phenol-d5            | 1.01  |                                           | "         | 1.81  |        | 56.0 | 23-114 |                                           |  |  |  |
| Surrogate: SURR: Nitrobenzene-d5      | 0.556 |                                           | "         | 0.903 |        | 61.6 | 22-108 |                                           |  |  |  |
| Surrogate: SURR: 2-Fluorobiphenyl     | 0.541 |                                           | "         | 0.903 |        | 59.9 | 21-113 |                                           |  |  |  |
| Surrogate: SURR: 2,4,6-Tribromophenol | 1.09  |                                           | "         | 1.81  |        | 60.2 | 19-110 |                                           |  |  |  |
| Surrogate: SURR: Terphenyl-d14        | 0.552 |                                           | "         | 0.903 |        | 61.1 | 24-116 |                                           |  |  |  |



## Semivolatile Organic Compounds by GC/MS - Quality Control Data

### York Analytical Laboratories, Inc. - Stratford

| Analyte                                | Result | Reporting Limit                                      | Units     | Spike Level | Source* Result | %REC | %REC Limits | Flag                                             | RPD   | RPD Limit | Flag     |
|----------------------------------------|--------|------------------------------------------------------|-----------|-------------|----------------|------|-------------|--------------------------------------------------|-------|-----------|----------|
| <b>Batch BA30673 - EPA 3550C</b>       |        |                                                      |           |             |                |      |             |                                                  |       |           |          |
| <b>Matrix Spike Dup (BA30673-MSD1)</b> |        | <b>*Source sample: 23A0500-01 (Matrix Spike Dup)</b> |           |             |                |      |             | <b>Prepared: 01/15/2023 Analyzed: 01/16/2023</b> |       |           |          |
| 1,1-Biphenyl                           | 0.574  | 0.0904                                               | mg/kg dry | 0.903       | ND             | 63.5 | 10-130      |                                                  | 3.59  | 30        |          |
| 1,2,4,5-Tetrachlorobenzene             | 0.677  | 0.181                                                | "         | 0.903       | ND             | 75.0 | 10-133      |                                                  | 3.36  | 30        |          |
| 1,2,4-Trichlorobenzene                 | 0.606  | 0.0904                                               | "         | 0.903       | ND             | 67.0 | 10-127      |                                                  | 5.39  | 30        |          |
| 1,2-Dichlorobenzene                    | 0.546  | 0.0904                                               | "         | 0.903       | ND             | 60.5 | 14-111      |                                                  | 6.56  | 30        |          |
| 1,2-Diphenylhydrazine (as Azobenzene)  | 0.567  | 0.0904                                               | "         | 0.903       | ND             | 62.8 | 10-144      |                                                  | 5.36  | 30        |          |
| 1,3-Dichlorobenzene                    | 0.543  | 0.0904                                               | "         | 0.903       | ND             | 60.1 | 11-111      |                                                  | 5.33  | 30        |          |
| 1,4-Dichlorobenzene                    | 0.548  | 0.0904                                               | "         | 0.903       | ND             | 60.6 | 10-106      |                                                  | 5.70  | 30        |          |
| 2,3,4,6-Tetrachlorophenol              | 0.610  | 0.181                                                | "         | 0.903       | ND             | 67.5 | 30-130      |                                                  | 1.06  | 30        |          |
| 2,4,5-Trichlorophenol                  | 0.634  | 0.0904                                               | "         | 0.903       | ND             | 70.2 | 10-127      |                                                  | 9.05  | 30        |          |
| 2,4,6-Trichlorophenol                  | 0.599  | 0.0904                                               | "         | 0.903       | ND             | 66.3 | 10-132      |                                                  | 5.33  | 30        |          |
| 2,4-Dichlorophenol                     | 0.600  | 0.0904                                               | "         | 0.903       | ND             | 66.5 | 10-128      |                                                  | 1.33  | 30        |          |
| 2,4-Dimethylphenol                     | 0.614  | 0.0904                                               | "         | 0.903       | ND             | 67.9 | 10-137      |                                                  | 2.63  | 30        |          |
| 2,4-Dinitrophenol                      | 0.424  | 0.181                                                | "         | 0.903       | ND             | 47.0 | 10-171      |                                                  | 8.53  | 30        |          |
| 2,4-Dinitrotoluene                     | 0.701  | 0.0904                                               | "         | 0.903       | ND             | 77.6 | 16-135      |                                                  | 7.93  | 30        |          |
| 2,6-Dinitrotoluene                     | 0.755  | 0.0904                                               | "         | 0.903       | ND             | 83.6 | 18-131      |                                                  | 0.763 | 30        |          |
| 2-Chloronaphthalene                    | 0.588  | 0.0904                                               | "         | 0.903       | ND             | 65.1 | 10-129      |                                                  | 3.50  | 30        |          |
| 2-Chlorophenol                         | 0.556  | 0.0904                                               | "         | 0.903       | ND             | 61.6 | 15-116      |                                                  | 2.90  | 30        |          |
| 2-Methylnaphthalene                    | 0.592  | 0.0904                                               | "         | 0.903       | ND             | 65.5 | 10-147      |                                                  | 1.85  | 30        |          |
| 2-Methylphenol                         | 0.587  | 0.0904                                               | "         | 0.903       | ND             | 65.0 | 10-136      |                                                  | 5.30  | 30        |          |
| 2-Nitroaniline                         | 0.649  | 0.181                                                | "         | 0.903       | ND             | 71.8 | 10-137      |                                                  | 2.09  | 30        |          |
| 2-Nitrophenol                          | 0.663  | 0.0904                                               | "         | 0.903       | ND             | 73.4 | 10-129      |                                                  | 3.55  | 30        |          |
| 3- & 4-Methylphenols                   | 0.512  | 0.0904                                               | "         | 0.903       | ND             | 56.6 | 10-123      |                                                  | 5.52  | 30        |          |
| 3,3-Dichlorobenzidine                  | 0.475  | 0.0904                                               | "         | 0.903       | ND             | 52.6 | 10-155      |                                                  | 5.46  | 30        |          |
| 3-Nitroaniline                         | 0.531  | 0.181                                                | "         | 0.903       | ND             | 58.8 | 12-133      |                                                  | 0.948 | 30        |          |
| 4,6-Dinitro-2-methylphenol             | 0.593  | 0.181                                                | "         | 0.903       | ND             | 65.6 | 10-155      |                                                  | 1.72  | 30        |          |
| 4-Bromophenyl phenyl ether             | 0.590  | 0.0904                                               | "         | 0.903       | ND             | 65.4 | 14-128      |                                                  | 3.36  | 30        |          |
| 4-Chloro-3-methylphenol                | 0.632  | 0.0904                                               | "         | 0.903       | ND             | 69.9 | 10-134      |                                                  | 4.09  | 30        |          |
| 4-Chloroaniline                        | 0.345  | 0.0904                                               | "         | 0.903       | ND             | 38.2 | 10-145      |                                                  | 7.65  | 30        |          |
| 4-Chlorophenyl phenyl ether            | 0.596  | 0.0904                                               | "         | 0.903       | ND             | 66.0 | 14-130      |                                                  | 4.59  | 30        |          |
| 4-Nitroaniline                         | 0.542  | 0.181                                                | "         | 0.903       | ND             | 60.0 | 10-147      |                                                  | 3.92  | 30        |          |
| 4-Nitrophenol                          | 0.606  | 0.181                                                | "         | 0.903       | ND             | 67.1 | 10-137      |                                                  | 7.29  | 30        |          |
| Acenaphthene                           | 0.586  | 0.0904                                               | "         | 0.903       | ND             | 64.9 | 10-146      |                                                  | 1.74  | 30        |          |
| Acenaphthylene                         | 0.548  | 0.0904                                               | "         | 0.903       | ND             | 60.7 | 10-134      |                                                  | 5.83  | 30        |          |
| Acetophenone                           | 0.524  | 0.0904                                               | "         | 0.903       | ND             | 58.0 | 10-116      |                                                  | 5.97  | 30        |          |
| Aniline                                | 0.442  | 0.362                                                | "         | 0.903       | ND             | 49.0 | 10-123      |                                                  | 5.37  | 30        |          |
| Anthracene                             | 0.628  | 0.0904                                               | "         | 0.903       | ND             | 69.5 | 10-142      |                                                  | 3.51  | 30        |          |
| Atrazine                               | 0.624  | 0.0904                                               | "         | 0.903       | ND             | 69.1 | 19-115      |                                                  | 4.98  | 30        |          |
| Benzaldehyde                           | 0.530  | 0.0904                                               | "         | 0.903       | ND             | 58.7 | 10-125      |                                                  | 4.74  | 30        |          |
| Benzo(a)anthracene                     | 0.643  | 0.0904                                               | "         | 0.903       | 0.0752         | 62.9 | 10-158      |                                                  | 3.20  | 30        |          |
| Benzo(a)pyrene                         | 0.595  | 0.0904                                               | "         | 0.903       | 0.0571         | 59.5 | 10-180      |                                                  | 3.46  | 30        |          |
| Benzo(b)fluoranthene                   | 0.627  | 0.0904                                               | "         | 0.903       | 0.0556         | 63.3 | 10-200      |                                                  | 2.21  | 30        |          |
| Benzo(g,h,i)perylene                   | 0.612  | 0.0904                                               | "         | 0.903       | ND             | 67.8 | 10-138      |                                                  | 3.85  | 30        |          |
| Benzo(k)fluoranthene                   | 0.629  | 0.0904                                               | "         | 0.903       | 0.0470         | 64.5 | 10-197      |                                                  | 5.42  | 30        |          |
| Benzoic acid                           | 0.0499 | 0.0904                                               | "         | 0.903       | ND             | 5.52 | 10-166      | Low Bias                                         | 51.6  | 30        | Non-dir. |
| Benzyl alcohol                         | 0.548  | 0.0904                                               | "         | 0.903       | ND             | 60.6 | 12-124      |                                                  | 5.70  | 30        |          |
| Benzyl butyl phthalate                 | 0.577  | 0.0904                                               | "         | 0.903       | ND             | 63.8 | 10-154      |                                                  | 4.22  | 30        |          |
| Bis(2-chloroethoxy)methane             | 0.574  | 0.0904                                               | "         | 0.903       | ND             | 63.5 | 10-132      |                                                  | 4.11  | 30        |          |
| Bis(2-chloroethyl)ether                | 0.548  | 0.0904                                               | "         | 0.903       | ND             | 60.7 | 10-119      |                                                  | 5.83  | 30        |          |
| Bis(2-chloroisopropyl)ether            | 0.556  | 0.0904                                               | "         | 0.903       | ND             | 61.5 | 10-139      |                                                  | 4.11  | 30        |          |
| Bis(2-ethylhexyl)phthalate             | 0.473  | 0.0904                                               | "         | 0.903       | ND             | 52.4 | 10-167      |                                                  | 5.49  | 30        |          |
| Caprolactam                            | 0.642  | 0.181                                                | "         | 0.903       | ND             | 71.0 | 10-132      |                                                  | 5.56  | 30        |          |





## Semivolatile Organic Compounds by GC/MS - Quality Control Data

### York Analytical Laboratories, Inc. - Stratford

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source*<br>Result | %REC | %REC<br>Limits | Flag | RPD | RPD<br>Limit | Flag |
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|

#### Batch BA30673 - EPA 3550C

| Matrix Spike Dup (BA30673-MSD1)       | *Source sample: 23A0500-01 (Matrix Spike Dup) |        |           |       |        | Prepared: 01/15/2023 Analyzed: 01/16/2023 |        |  |       |    |  |
|---------------------------------------|-----------------------------------------------|--------|-----------|-------|--------|-------------------------------------------|--------|--|-------|----|--|
| Carbazole                             | 0.614                                         | 0.0904 | mg/kg dry | 0.903 | ND     | 67.9                                      | 10-167 |  | 2.75  | 30 |  |
| Chrysene                              | 0.619                                         | 0.0904 | "         | 0.903 | 0.0650 | 61.3                                      | 10-156 |  | 3.69  | 30 |  |
| Dibenzo(a,h)anthracene                | 0.582                                         | 0.0904 | "         | 0.903 | ND     | 64.4                                      | 10-137 |  | 2.39  | 30 |  |
| Dibenzofuran                          | 0.594                                         | 0.0904 | "         | 0.903 | ND     | 65.8                                      | 10-147 |  | 4.48  | 30 |  |
| Diethyl phthalate                     | 0.555                                         | 0.0904 | "         | 0.903 | ND     | 61.4                                      | 20-120 |  | 2.11  | 30 |  |
| Dimethyl phthalate                    | 0.582                                         | 0.0904 | "         | 0.903 | ND     | 64.4                                      | 18-131 |  | 2.39  | 30 |  |
| Di-n-butyl phthalate                  | 0.590                                         | 0.0904 | "         | 0.903 | ND     | 65.3                                      | 10-137 |  | 6.45  | 30 |  |
| Di-n-octyl phthalate                  | 0.582                                         | 0.0904 | "         | 0.903 | ND     | 64.4                                      | 10-180 |  | 4.96  | 30 |  |
| Fluoranthene                          | 0.677                                         | 0.0904 | "         | 0.903 | 0.150  | 58.3                                      | 10-160 |  | 2.42  | 30 |  |
| Fluorene                              | 0.582                                         | 0.0904 | "         | 0.903 | ND     | 64.4                                      | 10-157 |  | 2.13  | 30 |  |
| Hexachlorobenzene                     | 0.599                                         | 0.0904 | "         | 0.903 | ND     | 66.3                                      | 10-137 |  | 4.69  | 30 |  |
| Hexachlorobutadiene                   | 0.637                                         | 0.0904 | "         | 0.903 | ND     | 70.6                                      | 10-132 |  | 8.88  | 30 |  |
| Hexachlorocyclopentadiene             | 0.328                                         | 0.0904 | "         | 0.903 | ND     | 36.3                                      | 10-106 |  | 3.04  | 30 |  |
| Hexachloroethane                      | 0.548                                         | 0.0904 | "         | 0.903 | ND     | 60.7                                      | 10-110 |  | 11.0  | 30 |  |
| Indeno(1,2,3-cd)pyrene                | 0.590                                         | 0.0904 | "         | 0.903 | ND     | 65.4                                      | 10-144 |  | 1.58  | 30 |  |
| Isophorone                            | 0.593                                         | 0.0904 | "         | 0.903 | ND     | 65.7                                      | 10-132 |  | 3.60  | 30 |  |
| Naphthalene                           | 0.587                                         | 0.0904 | "         | 0.903 | ND     | 65.0                                      | 10-141 |  | 0.247 | 30 |  |
| Nitrobenzene                          | 0.601                                         | 0.0904 | "         | 0.903 | ND     | 66.6                                      | 10-131 |  | 4.30  | 30 |  |
| N-Nitrosodimethylamine                | 0.514                                         | 0.0904 | "         | 0.903 | ND     | 56.9                                      | 10-126 |  | 1.99  | 30 |  |
| N-nitroso-di-n-propylamine            | 0.563                                         | 0.0904 | "         | 0.903 | ND     | 62.3                                      | 10-125 |  | 6.36  | 30 |  |
| N-Nitrosodiphenylamine                | 0.757                                         | 0.0904 | "         | 0.903 | ND     | 83.8                                      | 10-177 |  | 4.99  | 30 |  |
| Pentachlorophenol                     | 0.440                                         | 0.0904 | "         | 0.903 | ND     | 48.7                                      | 10-153 |  | 4.36  | 30 |  |
| Phenanthrene                          | 0.679                                         | 0.0904 | "         | 0.903 | 0.120  | 61.8                                      | 10-148 |  | 1.58  | 30 |  |
| Phenol                                | 0.568                                         | 0.0904 | "         | 0.903 | ND     | 62.9                                      | 10-126 |  | 7.11  | 30 |  |
| Pyrene                                | 0.676                                         | 0.0904 | "         | 0.903 | 0.132  | 60.2                                      | 10-165 |  | 0.107 | 30 |  |
| Surrogate: SURR: 2-Fluorophenol       | 1.09                                          |        | "         | 1.81  |        | 60.1                                      | 20-108 |  |       |    |  |
| Surrogate: SURR: Phenol-d5            | 1.07                                          |        | "         | 1.81  |        | 59.3                                      | 23-114 |  |       |    |  |
| Surrogate: SURR: Nitrobenzene-d5      | 0.580                                         |        | "         | 0.903 |        | 64.2                                      | 22-108 |  |       |    |  |
| Surrogate: SURR: 2-Fluorobiphenyl     | 0.556                                         |        | "         | 0.903 |        | 61.6                                      | 21-113 |  |       |    |  |
| Surrogate: SURR: 2,4,6-Tribromophenol | 1.16                                          |        | "         | 1.81  |        | 64.2                                      | 19-110 |  |       |    |  |
| Surrogate: SURR: Terphenyl-d14        | 0.586                                         |        | "         | 0.903 |        | 64.9                                      | 24-116 |  |       |    |  |



## Organochlorine Pesticides by GC/ECD - Quality Control Data

### York Analytical Laboratories, Inc. - Stratford

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

#### Batch BA30618 - EPA 3550C

##### Blank (BA30618-BLK1)

Prepared: 01/13/2023 Analyzed: 01/16/2023

|                                 |        |         |           |        |  |      |        |  |  |  |  |
|---------------------------------|--------|---------|-----------|--------|--|------|--------|--|--|--|--|
| 4,4'-DDD                        | ND     | 0.00165 | mg/kg wet |        |  |      |        |  |  |  |  |
| 4,4'-DDE                        | ND     | 0.00165 | "         |        |  |      |        |  |  |  |  |
| 4,4'-DDT                        | ND     | 0.00165 | "         |        |  |      |        |  |  |  |  |
| Aldrin                          | ND     | 0.00165 | "         |        |  |      |        |  |  |  |  |
| alpha-BHC                       | ND     | 0.00165 | "         |        |  |      |        |  |  |  |  |
| alpha-Chlordane                 | ND     | 0.00165 | "         |        |  |      |        |  |  |  |  |
| beta-BHC                        | ND     | 0.00165 | "         |        |  |      |        |  |  |  |  |
| Chlordane, total                | ND     | 0.0330  | "         |        |  |      |        |  |  |  |  |
| delta-BHC                       | ND     | 0.00165 | "         |        |  |      |        |  |  |  |  |
| Dieldrin                        | ND     | 0.00165 | "         |        |  |      |        |  |  |  |  |
| Endosulfan I                    | ND     | 0.00165 | "         |        |  |      |        |  |  |  |  |
| Endosulfan II                   | ND     | 0.00165 | "         |        |  |      |        |  |  |  |  |
| Endosulfan sulfate              | ND     | 0.00165 | "         |        |  |      |        |  |  |  |  |
| Endrin                          | ND     | 0.00165 | "         |        |  |      |        |  |  |  |  |
| Endrin aldehyde                 | ND     | 0.00165 | "         |        |  |      |        |  |  |  |  |
| Endrin ketone                   | ND     | 0.00165 | "         |        |  |      |        |  |  |  |  |
| gamma-BHC (Lindane)             | ND     | 0.00165 | "         |        |  |      |        |  |  |  |  |
| gamma-Chlordane                 | ND     | 0.00165 | "         |        |  |      |        |  |  |  |  |
| Heptachlor                      | ND     | 0.00165 | "         |        |  |      |        |  |  |  |  |
| Heptachlor epoxide              | ND     | 0.00165 | "         |        |  |      |        |  |  |  |  |
| Methoxychlor                    | ND     | 0.00825 | "         |        |  |      |        |  |  |  |  |
| Toxaphene                       | ND     | 0.0835  | "         |        |  |      |        |  |  |  |  |
| Surrogate: Decachlorobiphenyl   | 0.0652 |         | "         | 0.0667 |  | 97.9 | 30-150 |  |  |  |  |
| Surrogate: Tetrachloro-m-xylene | 0.0634 |         | "         | 0.0667 |  | 95.1 | 30-150 |  |  |  |  |

##### LCS (BA30618-BS1)

Prepared: 01/13/2023 Analyzed: 01/16/2023

|                                 |        |         |           |        |  |      |        |  |  |  |  |
|---------------------------------|--------|---------|-----------|--------|--|------|--------|--|--|--|--|
| 4,4'-DDD                        | 0.0331 | 0.00165 | mg/kg wet | 0.0333 |  | 99.2 | 40-140 |  |  |  |  |
| 4,4'-DDE                        | 0.0322 | 0.00165 | "         | 0.0333 |  | 96.7 | 40-140 |  |  |  |  |
| 4,4'-DDT                        | 0.0226 | 0.00165 | "         | 0.0333 |  | 67.7 | 40-140 |  |  |  |  |
| Aldrin                          | 0.0328 | 0.00165 | "         | 0.0333 |  | 98.4 | 40-140 |  |  |  |  |
| alpha-BHC                       | 0.0286 | 0.00165 | "         | 0.0333 |  | 85.8 | 40-140 |  |  |  |  |
| alpha-Chlordane                 | 0.0348 | 0.00165 | "         | 0.0333 |  | 104  | 40-140 |  |  |  |  |
| beta-BHC                        | 0.0342 | 0.00165 | "         | 0.0333 |  | 103  | 40-140 |  |  |  |  |
| delta-BHC                       | 0.0310 | 0.00165 | "         | 0.0333 |  | 92.9 | 40-140 |  |  |  |  |
| Dieldrin                        | 0.0350 | 0.00165 | "         | 0.0333 |  | 105  | 40-140 |  |  |  |  |
| Endosulfan I                    | 0.0362 | 0.00165 | "         | 0.0333 |  | 109  | 40-140 |  |  |  |  |
| Endosulfan II                   | 0.0342 | 0.00165 | "         | 0.0333 |  | 102  | 40-140 |  |  |  |  |
| Endosulfan sulfate              | 0.0326 | 0.00165 | "         | 0.0333 |  | 97.8 | 40-140 |  |  |  |  |
| Endrin                          | 0.0294 | 0.00165 | "         | 0.0333 |  | 88.2 | 40-140 |  |  |  |  |
| Endrin aldehyde                 | 0.0341 | 0.00165 | "         | 0.0333 |  | 102  | 40-140 |  |  |  |  |
| Endrin ketone                   | 0.0341 | 0.00165 | "         | 0.0333 |  | 102  | 40-140 |  |  |  |  |
| gamma-BHC (Lindane)             | 0.0376 | 0.00165 | "         | 0.0333 |  | 113  | 40-140 |  |  |  |  |
| gamma-Chlordane                 | 0.0350 | 0.00165 | "         | 0.0333 |  | 105  | 40-140 |  |  |  |  |
| Heptachlor                      | 0.0300 | 0.00165 | "         | 0.0333 |  | 90.0 | 40-140 |  |  |  |  |
| Heptachlor epoxide              | 0.0353 | 0.00165 | "         | 0.0333 |  | 106  | 40-140 |  |  |  |  |
| Methoxychlor                    | 0.0214 | 0.00825 | "         | 0.0333 |  | 64.2 | 40-140 |  |  |  |  |
| Surrogate: Decachlorobiphenyl   | 0.0616 |         | "         | 0.0667 |  | 92.4 | 30-150 |  |  |  |  |
| Surrogate: Tetrachloro-m-xylene | 0.0637 |         | "         | 0.0667 |  | 95.6 | 30-150 |  |  |  |  |



## Polychlorinated Biphenyls by GC/ECD - Quality Control Data

### York Analytical Laboratories, Inc. - Stratford

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source*<br>Result | %REC | %REC<br>Limits | Flag | RPD | RPD<br>Limit | Flag |
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|

#### Batch BA30618 - EPA 3550C

##### Blank (BA30618-BLK2)

Prepared: 01/13/2023 Analyzed: 01/16/2023

|                                 |        |        |           |        |  |      |        |  |  |  |  |
|---------------------------------|--------|--------|-----------|--------|--|------|--------|--|--|--|--|
| Aroclor 1016                    | ND     | 0.0167 | mg/kg wet |        |  |      |        |  |  |  |  |
| Aroclor 1221                    | ND     | 0.0167 | "         |        |  |      |        |  |  |  |  |
| Aroclor 1232                    | ND     | 0.0167 | "         |        |  |      |        |  |  |  |  |
| Aroclor 1242                    | ND     | 0.0167 | "         |        |  |      |        |  |  |  |  |
| Aroclor 1248                    | ND     | 0.0167 | "         |        |  |      |        |  |  |  |  |
| Aroclor 1254                    | ND     | 0.0167 | "         |        |  |      |        |  |  |  |  |
| Aroclor 1260                    | ND     | 0.0167 | "         |        |  |      |        |  |  |  |  |
| Total PCBs                      | ND     | 0.0167 | "         |        |  |      |        |  |  |  |  |
| Surrogate: Tetrachloro-m-xylene | 0.0637 |        | "         | 0.0667 |  | 95.5 | 30-140 |  |  |  |  |
| Surrogate: Decachlorobiphenyl   | 0.0540 |        | "         | 0.0667 |  | 81.0 | 30-140 |  |  |  |  |

##### LCS (BA30618-BS2)

Prepared: 01/13/2023 Analyzed: 01/16/2023

|                                 |        |        |           |        |  |      |        |  |  |  |  |
|---------------------------------|--------|--------|-----------|--------|--|------|--------|--|--|--|--|
| Aroclor 1016                    | 0.331  | 0.0167 | mg/kg wet | 0.333  |  | 99.4 | 40-130 |  |  |  |  |
| Aroclor 1260                    | 0.336  | 0.0167 | "         | 0.333  |  | 101  | 40-130 |  |  |  |  |
| Surrogate: Tetrachloro-m-xylene | 0.0627 |        | "         | 0.0667 |  | 94.0 | 30-140 |  |  |  |  |
| Surrogate: Decachlorobiphenyl   | 0.0497 |        | "         | 0.0667 |  | 74.5 | 30-140 |  |  |  |  |

##### Matrix Spike (BA30618-MS2)

\*Source sample: 23A0605-02 (Matrix Spike)

Prepared: 01/13/2023 Analyzed: 01/16/2023

|                                 |        |        |           |        |        |      |        |  |  |  |  |
|---------------------------------|--------|--------|-----------|--------|--------|------|--------|--|--|--|--|
| Aroclor 1016                    | 0.227  | 0.0176 | mg/kg dry | 0.352  | ND     | 64.5 | 40-140 |  |  |  |  |
| Aroclor 1260                    | 0.276  | 0.0176 | "         | 0.352  | 0.0436 | 66.2 | 40-140 |  |  |  |  |
| Surrogate: Tetrachloro-m-xylene | 0.0559 |        | "         | 0.0703 |        | 79.5 | 30-140 |  |  |  |  |
| Surrogate: Decachlorobiphenyl   | 0.0517 |        | "         | 0.0703 |        | 73.5 | 30-140 |  |  |  |  |

##### Matrix Spike Dup (BA30618-MSD2)

\*Source sample: 23A0605-02 (Matrix Spike Dup)

Prepared: 01/13/2023 Analyzed: 01/16/2023

|                                 |        |        |           |        |        |      |        |      |    |  |  |
|---------------------------------|--------|--------|-----------|--------|--------|------|--------|------|----|--|--|
| Aroclor 1016                    | 0.244  | 0.0176 | mg/kg dry | 0.352  | ND     | 69.3 | 40-140 | 7.27 | 50 |  |  |
| Aroclor 1260                    | 0.297  | 0.0176 | "         | 0.352  | 0.0436 | 72.1 | 40-140 | 7.28 | 50 |  |  |
| Surrogate: Tetrachloro-m-xylene | 0.0566 |        | "         | 0.0703 |        | 80.5 | 30-140 |      |    |  |  |
| Surrogate: Decachlorobiphenyl   | 0.0527 |        | "         | 0.0703 |        | 75.0 | 30-140 |      |    |  |  |



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

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

Batch BA30733 - EPA 3050B

Blank (BA30733-BLK1)

Prepared: 01/16/2023 Analyzed: 01/17/2023

|           |    |       |           |
|-----------|----|-------|-----------|
| Aluminum  | ND | 4.17  | mg/kg wet |
| Antimony  | ND | 2.08  | "         |
| Arsenic   | ND | 1.25  | "         |
| Barium    | ND | 2.08  | "         |
| Beryllium | ND | 0.042 | "         |
| Cadmium   | ND | 0.250 | "         |
| Calcium   | ND | 4.17  | "         |
| Chromium  | ND | 0.417 | "         |
| Cobalt    | ND | 0.333 | "         |
| Copper    | ND | 1.67  | "         |
| Iron      | ND | 20.8  | "         |
| Lead      | ND | 0.417 | "         |
| Magnesium | ND | 4.17  | "         |
| Manganese | ND | 0.417 | "         |
| Nickel    | ND | 0.830 | "         |
| Potassium | ND | 4.17  | "         |
| Selenium  | ND | 2.08  | "         |
| Silver    | ND | 0.420 | "         |
| Sodium    | ND | 41.7  | "         |
| Thallium  | ND | 2.08  | "         |
| Vanadium  | ND | 0.830 | "         |
| Zinc      | ND | 2.08  | "         |

Duplicate (BA30733-DUP1)

\*Source sample: 23A0706-04 (Duplicate)

Prepared: 01/16/2023 Analyzed: 01/17/2023

|           |       |       |           |       |      |    |          |
|-----------|-------|-------|-----------|-------|------|----|----------|
| Aluminum  | 5180  | 5.15  | mg/kg dry | 6100  | 16.3 | 35 |          |
| Antimony  | 3.14  | 2.58  | "         | ND    |      | 35 |          |
| Arsenic   | 1.71  | 1.55  | "         | ND    |      | 35 |          |
| Barium    | 87.6  | 2.57  | "         | 103   | 16.5 | 35 |          |
| Beryllium | 0.359 | 0.052 | "         | 0.424 | 16.5 | 35 |          |
| Cadmium   | 1.13  | 0.309 | "         | 0.830 | 30.6 | 35 |          |
| Calcium   | 30600 | 5.15  | "         | 27200 | 11.9 | 35 |          |
| Chromium  | 64.7  | 0.516 | "         | 76.8  | 17.1 | 35 |          |
| Cobalt    | 8.98  | 0.412 | "         | 8.69  | 3.31 | 35 |          |
| Copper    | 313   | 2.06  | "         | 213   | 37.9 | 35 | Non-dir. |
| Iron      | 34500 | 25.8  | "         | 25100 | 31.5 | 35 |          |
| Lead      | 1470  | 0.516 | "         | 710   | 69.4 | 35 | Non-dir. |
| Magnesium | 10000 | 5.16  | "         | 9180  | 8.63 | 35 |          |
| Manganese | 286   | 0.516 | "         | 239   | 18.1 | 35 |          |
| Nickel    | 40.1  | 1.03  | "         | 39.3  | 1.94 | 35 |          |
| Potassium | 868   | 5.16  | "         | 1020  | 16.2 | 35 |          |
| Selenium  | ND    | 2.58  | "         | ND    |      | 35 |          |
| Silver    | ND    | 0.519 | "         | ND    |      | 35 |          |
| Sodium    | 518   | 51.5  | "         | 584   | 11.9 | 35 |          |
| Thallium  | ND    | 2.58  | "         | ND    |      | 35 |          |
| Vanadium  | 41.8  | 1.03  | "         | 37.6  | 10.6 | 35 |          |
| Zinc      | 555   | 2.57  | "         | 999   | 57.2 | 35 | Non-dir. |



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

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

Batch BA30733 - EPA 3050B

| Matrix Spike (BA30733-MS1) |       | *Source sample: 23A0706-04 (Matrix Spike) |           |      |       |      | Prepared: 01/16/2023 Analyzed: 01/17/2023 |           |  |  |  |
|----------------------------|-------|-------------------------------------------|-----------|------|-------|------|-------------------------------------------|-----------|--|--|--|
| Aluminum                   | 5670  | 5.15                                      | mg/kg dry | 206  | 6100  | NR   | 75-125                                    | Low Bias  |  |  |  |
| Antimony                   | 8.72  | 2.58                                      | "         | 25.8 | ND    | 33.8 | 75-125                                    | Low Bias  |  |  |  |
| Arsenic                    | 168   | 1.55                                      | "         | 206  | ND    | 81.6 | 75-125                                    |           |  |  |  |
| Barium                     | 275   | 2.57                                      | "         | 206  | 103   | 83.1 | 75-125                                    |           |  |  |  |
| Beryllium                  | 4.46  | 0.052                                     | "         | 5.15 | 0.424 | 78.2 | 75-125                                    |           |  |  |  |
| Cadmium                    | 5.52  | 0.309                                     | "         | 5.15 | 0.830 | 91.1 | 75-125                                    |           |  |  |  |
| Calcium                    | 30700 | 5.15                                      | "         | 103  | 27200 | NR   | 75-125                                    | High Bias |  |  |  |
| Chromium                   | 122   | 0.516                                     | "         | 20.6 | 76.8  | 217  | 75-125                                    | High Bias |  |  |  |
| Cobalt                     | 49.3  | 0.412                                     | "         | 51.5 | 8.69  | 78.8 | 75-125                                    |           |  |  |  |
| Copper                     | 217   | 2.06                                      | "         | 25.8 | 213   | 14.7 | 75-125                                    | Low Bias  |  |  |  |
| Iron                       | 21900 | 25.8                                      | "         | 103  | 25100 | NR   | 75-125                                    | Low Bias  |  |  |  |
| Lead                       | 955   | 0.516                                     | "         | 51.5 | 710   | 476  | 75-125                                    | High Bias |  |  |  |
| Magnesium                  | 10800 | 5.16                                      | "         | 103  | 9180  | NR   | 75-125                                    | High Bias |  |  |  |
| Manganese                  | 266   | 0.516                                     | "         | 51.5 | 239   | 53.9 | 75-125                                    | Low Bias  |  |  |  |
| Nickel                     | 98.9  | 1.03                                      | "         | 51.5 | 39.3  | 116  | 75-125                                    |           |  |  |  |
| Potassium                  | 1180  | 5.16                                      | "         | 103  | 1020  | 152  | 75-125                                    | High Bias |  |  |  |
| Selenium                   | 106   | 2.58                                      | "         | 206  | ND    | 51.6 | 75-125                                    | Low Bias  |  |  |  |
| Silver                     | 1.42  | 0.519                                     | "         | 5.15 | ND    | 27.6 | 75-125                                    | Low Bias  |  |  |  |
| Sodium                     | 656   | 51.5                                      | "         | 103  | 584   | 70.4 | 75-125                                    | Low Bias  |  |  |  |
| Thallium                   | 149   | 2.58                                      | "         | 206  | ND    | 72.4 | 75-125                                    | Low Bias  |  |  |  |
| Vanadium                   | 85.3  | 1.03                                      | "         | 51.5 | 37.6  | 92.8 | 75-125                                    |           |  |  |  |
| Zinc                       | 900   | 2.57                                      | "         | 51.5 | 999   | NR   | 75-125                                    | Low Bias  |  |  |  |

| Post Spike (BA30733-PS1) |       | *Source sample: 23A0706-04 (Post Spike) |       |        |        |      | Prepared: 01/16/2023 Analyzed: 01/17/2023 |          |  |  |  |
|--------------------------|-------|-----------------------------------------|-------|--------|--------|------|-------------------------------------------|----------|--|--|--|
| Aluminum                 | 58.7  |                                         | ug/mL | 2.00   | 59.2   | NR   | 75-125                                    | Low Bias |  |  |  |
| Antimony                 | 0.246 |                                         | "     | 0.250  | 0.019  | 91.0 | 75-125                                    |          |  |  |  |
| Arsenic                  | 1.94  |                                         | "     | 2.00   | 0.008  | 96.5 | 75-125                                    |          |  |  |  |
| Barium                   | 2.85  |                                         | "     | 2.00   | 1.00   | 92.4 | 75-125                                    |          |  |  |  |
| Beryllium                | 0.049 |                                         | "     | 0.0500 | 0.004  | 89.4 | 75-125                                    |          |  |  |  |
| Cadmium                  | 0.055 |                                         | "     | 0.0500 | 0.008  | 93.4 | 75-125                                    |          |  |  |  |
| Calcium                  | 255   |                                         | "     | 1.00   | 264    | NR   | 75-125                                    | Low Bias |  |  |  |
| Chromium                 | 0.878 |                                         | "     | 0.200  | 0.746  | 66.4 | 75-125                                    | Low Bias |  |  |  |
| Cobalt                   | 0.548 |                                         | "     | 0.500  | 0.084  | 92.7 | 75-125                                    |          |  |  |  |
| Copper                   | 2.26  |                                         | "     | 0.250  | 2.07   | 77.4 | 75-125                                    |          |  |  |  |
| Iron                     | 237   |                                         | "     | 1.00   | 244    | NR   | 75-125                                    | Low Bias |  |  |  |
| Lead                     | 6.94  |                                         | "     | 0.500  | 6.89   | 10.4 | 75-125                                    | Low Bias |  |  |  |
| Magnesium                | 86.9  |                                         | "     | 1.00   | 89.0   | NR   | 75-125                                    | Low Bias |  |  |  |
| Manganese                | 2.70  |                                         | "     | 0.500  | 2.32   | 77.6 | 75-125                                    |          |  |  |  |
| Nickel                   | 0.856 |                                         | "     | 0.500  | 0.381  | 95.0 | 75-125                                    |          |  |  |  |
| Potassium                | 10.8  |                                         | "     | 1.00   | 9.91   | 89.3 | 75-125                                    |          |  |  |  |
| Selenium                 | 1.21  |                                         | "     | 2.00   | -0.263 | 60.7 | 75-125                                    | Low Bias |  |  |  |
| Silver                   | 0.017 |                                         | "     | 0.0500 | -0.028 | 34.7 | 75-125                                    | Low Bias |  |  |  |
| Sodium                   | 6.53  |                                         | "     | 1.00   | 5.66   | 87.0 | 75-125                                    |          |  |  |  |
| Thallium                 | 1.73  |                                         | "     | 2.00   | 0.002  | 86.4 | 75-125                                    |          |  |  |  |
| Vanadium                 | 0.805 |                                         | "     | 0.500  | 0.364  | 88.2 | 75-125                                    |          |  |  |  |
| Zinc                     | 9.62  |                                         | "     | 0.500  | 9.70   | NR   | 75-125                                    | Low Bias |  |  |  |



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

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

Batch BA30733 - EPA 3050B

Reference (BA30733-SRM1)

Prepared: 01/16/2023 Analyzed: 01/17/2023

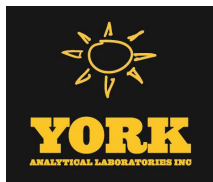
|           |       |       |           |       |  |      |            |          |  |  |  |
|-----------|-------|-------|-----------|-------|--|------|------------|----------|--|--|--|
| Aluminum  | 7070  | 4.17  | mg/kg wet | 7970  |  | 88.7 | 49.7-150.6 |          |  |  |  |
| Antimony  | 67.9  | 2.08  | "         | 136   |  | 49.9 | 20.4-249.3 |          |  |  |  |
| Arsenic   | 86.9  | 1.25  | "         | 87.4  |  | 99.4 | 70-130.4   |          |  |  |  |
| Barium    | 354   | 2.08  | "         | 347   |  | 102  | 75.2-130.3 |          |  |  |  |
| Beryllium | 95.3  | 0.042 | "         | 103   |  | 92.5 | 74.8-132   |          |  |  |  |
| Cadmium   | 152   | 0.250 | "         | 160   |  | 95.3 | 75-145.6   |          |  |  |  |
| Calcium   | 3910  | 4.17  | "         | 4100  |  | 95.4 | 71.7-139.3 |          |  |  |  |
| Chromium  | 217   | 0.417 | "         | 231   |  | 94.0 | 70.1-134.2 |          |  |  |  |
| Cobalt    | 231   | 0.333 | "         | 241   |  | 95.9 | 75.1-141.5 |          |  |  |  |
| Copper    | 149   | 1.67  | "         | 144   |  | 103  | 75-126.4   |          |  |  |  |
| Iron      | 12800 | 20.8  | "         | 14200 |  | 90.3 | 35.3-164.8 |          |  |  |  |
| Lead      | 250   | 0.417 | "         | 266   |  | 94.0 | 74.1-125.9 |          |  |  |  |
| Magnesium | 2130  | 4.17  | "         | 2220  |  | 95.7 | 61.3-138.7 |          |  |  |  |
| Manganese | 528   | 0.417 | "         | 555   |  | 95.2 | 77.3-132.8 |          |  |  |  |
| Nickel    | 345   | 0.830 | "         | 350   |  | 98.7 | 70-144     |          |  |  |  |
| Potassium | 1840  | 4.17  | "         | 1940  |  | 95.0 | 58.2-141.8 |          |  |  |  |
| Selenium  | 80.4  | 2.08  | "         | 130   |  | 61.9 | 66.9-133.8 | Low Bias |  |  |  |
| Silver    | 54.2  | 0.420 | "         | 57.1  |  | 94.9 | 70.2-129.8 |          |  |  |  |
| Sodium    | 128   | 41.7  | "         | 117   |  | 109  | 30.5-170.1 |          |  |  |  |
| Thallium  | 70.4  | 2.08  | "         | 75.4  |  | 93.4 | 64.3-135.3 |          |  |  |  |
| Vanadium  | 81.5  | 0.830 | "         | 88.6  |  | 92.0 | 65.6-134.3 |          |  |  |  |
| Zinc      | 145   | 2.08  | "         | 160   |  | 90.8 | 70-130     |          |  |  |  |

Batch BA30750 - EPA 3050B

Blank (BA30750-BLK1)

Prepared: 01/16/2023 Analyzed: 01/17/2023

|           |    |       |           |  |  |  |  |  |  |  |  |
|-----------|----|-------|-----------|--|--|--|--|--|--|--|--|
| Aluminum  | ND | 4.17  | mg/kg wet |  |  |  |  |  |  |  |  |
| Antimony  | ND | 2.08  | "         |  |  |  |  |  |  |  |  |
| Arsenic   | ND | 1.25  | "         |  |  |  |  |  |  |  |  |
| Barium    | ND | 2.08  | "         |  |  |  |  |  |  |  |  |
| Beryllium | ND | 0.042 | "         |  |  |  |  |  |  |  |  |
| Cadmium   | ND | 0.250 | "         |  |  |  |  |  |  |  |  |
| Calcium   | ND | 4.17  | "         |  |  |  |  |  |  |  |  |
| Chromium  | ND | 0.417 | "         |  |  |  |  |  |  |  |  |
| Cobalt    | ND | 0.333 | "         |  |  |  |  |  |  |  |  |
| Copper    | ND | 1.67  | "         |  |  |  |  |  |  |  |  |
| Iron      | ND | 20.8  | "         |  |  |  |  |  |  |  |  |
| Lead      | ND | 0.417 | "         |  |  |  |  |  |  |  |  |
| Magnesium | ND | 4.17  | "         |  |  |  |  |  |  |  |  |
| Manganese | ND | 0.417 | "         |  |  |  |  |  |  |  |  |
| Nickel    | ND | 0.830 | "         |  |  |  |  |  |  |  |  |
| Potassium | ND | 4.17  | "         |  |  |  |  |  |  |  |  |
| Selenium  | ND | 2.08  | "         |  |  |  |  |  |  |  |  |
| Silver    | ND | 0.420 | "         |  |  |  |  |  |  |  |  |
| Sodium    | ND | 41.7  | "         |  |  |  |  |  |  |  |  |
| Thallium  | ND | 2.08  | "         |  |  |  |  |  |  |  |  |
| Vanadium  | ND | 0.830 | "         |  |  |  |  |  |  |  |  |
| Zinc      | ND | 2.08  | "         |  |  |  |  |  |  |  |  |



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

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

**Batch BA30750 - EPA 3050B**

| <b>Duplicate (BA30750-DUP1)</b> |       | <b>*Source sample: 23A0497-02 (Duplicate)</b> |           |  |       |  | <b>Prepared: 01/16/2023 Analyzed: 01/17/2023</b> |  |      |    |          |
|---------------------------------|-------|-----------------------------------------------|-----------|--|-------|--|--------------------------------------------------|--|------|----|----------|
| Aluminum                        | 3270  | 4.43                                          | mg/kg dry |  | 2880  |  |                                                  |  | 12.5 | 35 |          |
| Antimony                        | ND    | 2.21                                          | "         |  | ND    |  |                                                  |  |      | 35 |          |
| Arsenic                         | ND    | 1.33                                          | "         |  | ND    |  |                                                  |  |      | 35 |          |
| Barium                          | 15.8  | 2.21                                          | "         |  | 12.9  |  |                                                  |  | 20.0 | 35 |          |
| Beryllium                       | 0.286 | 0.045                                         | "         |  | 0.216 |  |                                                  |  | 27.8 | 35 |          |
| Cadmium                         | ND    | 0.266                                         | "         |  | ND    |  |                                                  |  |      | 35 |          |
| Calcium                         | 533   | 4.43                                          | "         |  | 344   |  |                                                  |  | 43.1 | 35 | Non-dir. |
| Chromium                        | 4.97  | 0.443                                         | "         |  | 3.86  |  |                                                  |  | 25.2 | 35 |          |
| Cobalt                          | 2.21  | 0.354                                         | "         |  | 1.74  |  |                                                  |  | 23.7 | 35 |          |
| Copper                          | 8.37  | 1.77                                          | "         |  | 6.47  |  |                                                  |  | 25.7 | 35 |          |
| Iron                            | 5140  | 22.1                                          | "         |  | 3550  |  |                                                  |  | 36.4 | 35 | Non-dir. |
| Lead                            | 5.97  | 0.443                                         | "         |  | 3.50  |  |                                                  |  | 52.0 | 35 | Non-dir. |
| Magnesium                       | 758   | 4.43                                          | "         |  | 563   |  |                                                  |  | 29.5 | 35 |          |
| Manganese                       | 117   | 0.443                                         | "         |  | 98.2  |  |                                                  |  | 17.1 | 35 |          |
| Nickel                          | 3.90  | 0.883                                         | "         |  | 3.23  |  |                                                  |  | 18.8 | 35 |          |
| Potassium                       | 296   | 4.43                                          | "         |  | 288   |  |                                                  |  | 2.74 | 35 |          |
| Selenium                        | ND    | 2.21                                          | "         |  | ND    |  |                                                  |  |      | 35 |          |
| Silver                          | ND    | 0.447                                         | "         |  | ND    |  |                                                  |  |      | 35 |          |
| Sodium                          | 97.2  | 44.3                                          | "         |  | 67.3  |  |                                                  |  | 36.4 | 35 | Non-dir. |
| Thallium                        | ND    | 2.21                                          | "         |  | ND    |  |                                                  |  |      | 35 |          |
| Vanadium                        | 22.5  | 0.883                                         | "         |  | 12.3  |  |                                                  |  | 58.1 | 35 | Non-dir. |
| Zinc                            | 13.5  | 2.21                                          | "         |  | 12.4  |  |                                                  |  | 8.56 | 35 |          |

| <b>Matrix Spike (BA30750-MS1)</b> |      | <b>*Source sample: 23A0497-02 (Matrix Spike)</b> |           |      |       |      | <b>Prepared: 01/16/2023 Analyzed: 01/17/2023</b> |           |  |  |  |
|-----------------------------------|------|--------------------------------------------------|-----------|------|-------|------|--------------------------------------------------|-----------|--|--|--|
| Aluminum                          | 2990 | 4.43                                             | mg/kg dry | 177  | 2880  | 58.5 | 75-125                                           | Low Bias  |  |  |  |
| Antimony                          | 7.64 | 2.21                                             | "         | 22.2 | ND    | 34.5 | 75-125                                           | Low Bias  |  |  |  |
| Arsenic                           | 162  | 1.33                                             | "         | 177  | ND    | 91.2 | 75-125                                           |           |  |  |  |
| Barium                            | 189  | 2.21                                             | "         | 177  | 12.9  | 99.2 | 75-125                                           |           |  |  |  |
| Beryllium                         | 4.13 | 0.045                                            | "         | 4.43 | 0.216 | 88.3 | 75-125                                           |           |  |  |  |
| Cadmium                           | 4.15 | 0.266                                            | "         | 4.43 | ND    | 93.7 | 75-125                                           |           |  |  |  |
| Calcium                           | 399  | 4.43                                             | "         | 88.6 | 344   | 61.4 | 75-125                                           | Low Bias  |  |  |  |
| Chromium                          | 20.1 | 0.443                                            | "         | 17.7 | 3.86  | 91.9 | 75-125                                           |           |  |  |  |
| Cobalt                            | 45.2 | 0.354                                            | "         | 44.3 | 1.74  | 98.1 | 75-125                                           |           |  |  |  |
| Copper                            | 29.4 | 1.77                                             | "         | 22.2 | 6.47  | 103  | 75-125                                           |           |  |  |  |
| Iron                              | 3630 | 22.1                                             | "         | 88.6 | 3550  | 89.2 | 75-125                                           |           |  |  |  |
| Lead                              | 45.2 | 0.443                                            | "         | 44.3 | 3.50  | 94.1 | 75-125                                           |           |  |  |  |
| Magnesium                         | 694  | 4.43                                             | "         | 88.6 | 563   | 147  | 75-125                                           | High Bias |  |  |  |
| Manganese                         | 156  | 0.443                                            | "         | 44.3 | 98.2  | 130  | 75-125                                           | High Bias |  |  |  |
| Nickel                            | 45.1 | 0.883                                            | "         | 44.3 | 3.23  | 94.6 | 75-125                                           |           |  |  |  |
| Potassium                         | 320  | 4.43                                             | "         | 88.6 | 288   | 36.1 | 75-125                                           | Low Bias  |  |  |  |
| Selenium                          | 112  | 2.21                                             | "         | 177  | ND    | 63.2 | 75-125                                           | Low Bias  |  |  |  |
| Silver                            | 2.48 | 0.447                                            | "         | 4.43 | ND    | 55.9 | 75-125                                           | Low Bias  |  |  |  |
| Sodium                            | 153  | 44.3                                             | "         | 88.6 | 67.3  | 97.0 | 75-125                                           |           |  |  |  |
| Thallium                          | 155  | 2.21                                             | "         | 177  | ND    | 87.6 | 75-125                                           |           |  |  |  |
| Vanadium                          | 52.9 | 0.883                                            | "         | 44.3 | 12.3  | 91.4 | 75-125                                           |           |  |  |  |
| Zinc                              | 52.4 | 2.21                                             | "         | 44.3 | 12.4  | 90.3 | 75-125                                           |           |  |  |  |



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

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

**Batch BA30750 - EPA 3050B**

| Post Spike (BA30750-PS1) |       | *Source sample: 23A0497-02 (Post Spike) |       |        |          |      | Prepared: 01/16/2023 Analyzed: 01/17/2023 |          |  |  |  |
|--------------------------|-------|-----------------------------------------|-------|--------|----------|------|-------------------------------------------|----------|--|--|--|
| Aluminum                 | 32.5  |                                         | ug/mL | 2.00   | 32.5     | NR   | 75-125                                    | Low Bias |  |  |  |
| Antimony                 | 0.213 |                                         | "     | 0.250  | -0.005   | 85.1 | 75-125                                    |          |  |  |  |
| Arsenic                  | 1.88  |                                         | "     | 2.00   | 0.009    | 93.6 | 75-125                                    |          |  |  |  |
| Barium                   | 2.15  |                                         | "     | 2.00   | 0.146    | 100  | 75-125                                    |          |  |  |  |
| Beryllium                | 0.048 |                                         | "     | 0.0500 | 0.002    | 90.4 | 75-125                                    |          |  |  |  |
| Cadmium                  | 0.048 |                                         | "     | 0.0500 | -0.00009 | 95.9 | 75-125                                    |          |  |  |  |
| Calcium                  | 4.68  |                                         | "     | 1.00   | 3.88     | 79.9 | 75-125                                    |          |  |  |  |
| Chromium                 | 0.228 |                                         | "     | 0.200  | 0.044    | 92.1 | 75-125                                    |          |  |  |  |
| Cobalt                   | 0.507 |                                         | "     | 0.500  | 0.020    | 97.4 | 75-125                                    |          |  |  |  |
| Copper                   | 0.321 |                                         | "     | 0.250  | 0.073    | 99.1 | 75-125                                    |          |  |  |  |
| Iron                     | 38.8  |                                         | "     | 1.00   | 40.1     | NR   | 75-125                                    | Low Bias |  |  |  |
| Lead                     | 0.513 |                                         | "     | 0.500  | 0.040    | 94.7 | 75-125                                    |          |  |  |  |
| Magnesium                | 6.92  |                                         | "     | 1.00   | 6.36     | 56.0 | 75-125                                    | Low Bias |  |  |  |
| Manganese                | 1.53  |                                         | "     | 0.500  | 1.11     | 84.6 | 75-125                                    |          |  |  |  |
| Nickel                   | 0.512 |                                         | "     | 0.500  | 0.036    | 95.2 | 75-125                                    |          |  |  |  |
| Potassium                | 4.06  |                                         | "     | 1.00   | 3.25     | 81.4 | 75-125                                    |          |  |  |  |
| Selenium                 | 1.32  |                                         | "     | 2.00   | -0.045   | 66.0 | 75-125                                    | Low Bias |  |  |  |
| Silver                   | 0.026 |                                         | "     | 0.0500 | -0.023   | 51.7 | 75-125                                    | Low Bias |  |  |  |
| Sodium                   | 1.72  |                                         | "     | 1.00   | 0.759    | 95.7 | 75-125                                    |          |  |  |  |
| Thallium                 | 1.82  |                                         | "     | 2.00   | -0.005   | 91.1 | 75-125                                    |          |  |  |  |
| Vanadium                 | 0.601 |                                         | "     | 0.500  | 0.139    | 92.3 | 75-125                                    |          |  |  |  |
| Zinc                     | 0.600 |                                         | "     | 0.500  | 0.140    | 91.9 | 75-125                                    |          |  |  |  |

| Reference (BA30750-SRM1) |       | Prepared: 01/16/2023 Analyzed: 01/17/2023 |           |       |  |      |            |          |  |  |  |
|--------------------------|-------|-------------------------------------------|-----------|-------|--|------|------------|----------|--|--|--|
| Aluminum                 | 7960  | 4.17                                      | mg/kg wet | 7970  |  | 99.9 | 49.7-150.6 |          |  |  |  |
| Antimony                 | 79.6  | 2.08                                      | "         | 136   |  | 58.5 | 20.4-249.3 |          |  |  |  |
| Arsenic                  | 93.3  | 1.25                                      | "         | 87.4  |  | 107  | 70-130.4   |          |  |  |  |
| Barium                   | 377   | 2.08                                      | "         | 347   |  | 109  | 75.2-130.3 |          |  |  |  |
| Beryllium                | 100   | 0.042                                     | "         | 103   |  | 97.2 | 74.8-132   |          |  |  |  |
| Cadmium                  | 164   | 0.250                                     | "         | 160   |  | 103  | 75-145.6   |          |  |  |  |
| Calcium                  | 4280  | 4.17                                      | "         | 4100  |  | 105  | 71.7-139.3 |          |  |  |  |
| Chromium                 | 236   | 0.417                                     | "         | 231   |  | 102  | 70.1-134.2 |          |  |  |  |
| Cobalt                   | 248   | 0.333                                     | "         | 241   |  | 103  | 75.1-141.5 |          |  |  |  |
| Copper                   | 163   | 1.67                                      | "         | 144   |  | 113  | 75-126.4   |          |  |  |  |
| Iron                     | 14100 | 20.8                                      | "         | 14200 |  | 99.6 | 35.3-164.8 |          |  |  |  |
| Lead                     | 276   | 0.417                                     | "         | 266   |  | 104  | 74.1-125.9 |          |  |  |  |
| Magnesium                | 2340  | 4.17                                      | "         | 2220  |  | 106  | 61.3-138.7 |          |  |  |  |
| Manganese                | 582   | 0.417                                     | "         | 555   |  | 105  | 77.3-132.8 |          |  |  |  |
| Nickel                   | 371   | 0.830                                     | "         | 350   |  | 106  | 70-144     |          |  |  |  |
| Potassium                | 1980  | 4.17                                      | "         | 1940  |  | 102  | 58.2-141.8 |          |  |  |  |
| Selenium                 | 85.5  | 2.08                                      | "         | 130   |  | 65.8 | 66.9-133.8 | Low Bias |  |  |  |
| Silver                   | 57.4  | 0.420                                     | "         | 57.1  |  | 100  | 70.2-129.8 |          |  |  |  |
| Sodium                   | 132   | 41.7                                      | "         | 117   |  | 113  | 30.5-170.1 |          |  |  |  |
| Thallium                 | 74.7  | 2.08                                      | "         | 75.4  |  | 99.1 | 64.3-135.3 |          |  |  |  |
| Vanadium                 | 87.4  | 0.830                                     | "         | 88.6  |  | 98.7 | 65.6-134.3 |          |  |  |  |
| Zinc                     | 156   | 2.08                                      | "         | 160   |  | 97.3 | 70-130     |          |  |  |  |





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

### York Analytical Laboratories, Inc. - Stratford

| Analyte                       | Result | Reporting Limit | Units     | Spike Level | Source* Result | %REC | %REC Limits | Flag                            | RPD | Limit | Flag |
|-------------------------------|--------|-----------------|-----------|-------------|----------------|------|-------------|---------------------------------|-----|-------|------|
| Batch BA30554 - EPA 7473 soil |        |                 |           |             |                |      |             |                                 |     |       |      |
| Blank (BA30554-BLK1)          |        |                 |           |             |                |      |             | Prepared & Analyzed: 01/12/2023 |     |       |      |
| Mercury                       | ND     | 0.0300          | mg/kg wet |             |                |      |             |                                 |     |       |      |
| Duplicate (BA30554-DUP1)      |        |                 |           |             |                |      |             | Prepared & Analyzed: 01/12/2023 |     |       |      |
| Mercury                       | ND     | 0.0319          | mg/kg dry |             | ND             |      |             |                                 |     | 35    |      |
| Matrix Spike (BA30554-MS1)    |        |                 |           |             |                |      |             | Prepared & Analyzed: 01/12/2023 |     |       |      |
| Mercury                       | 0.538  |                 | mg/kg     | 0.500       | 0.00880        | 106  | 75-125      |                                 |     |       |      |
| Reference (BA30554-SRM1)      |        |                 |           |             |                |      |             | Prepared & Analyzed: 01/12/2023 |     |       |      |
| Mercury                       | 30.803 |                 | mg/kg     | 27.2        |                | 113  | 59.9-140.1  |                                 |     |       |      |



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source*<br>Result | %REC | %REC<br>Limits | Flag | RPD | RPD<br>Limit | Flag |
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|

Batch BA30528 - % Solids Prep

|                          |      |                                        |   |  |      |  |  |                                 |        |    |  |
|--------------------------|------|----------------------------------------|---|--|------|--|--|---------------------------------|--------|----|--|
| Duplicate (BA30528-DUP1) |      | *Source sample: 23A0536-01 (Duplicate) |   |  |      |  |  | Prepared & Analyzed: 01/12/2023 |        |    |  |
| % Solids                 | 86.5 | 0.100                                  | % |  | 86.5 |  |  |                                 | 0.0195 | 20 |  |



### Volatile Analysis Sample Containers

| Lab ID     | Client Sample ID | Volatile Sample Container         |
|------------|------------------|-----------------------------------|
| 23A0461-01 | B-8W 0-2         | 40mL Vial with Stir Bar-Cool 4° C |
| 23A0461-02 | B-8W 2-4         | 40mL Vial with Stir Bar-Cool 4° C |
| 23A0461-03 | DUPLICATE        | 40mL Vial with Stir Bar-Cool 4° C |



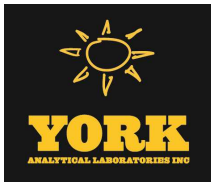
## Sample and Data Qualifiers Relating to This Work Order

|        |                                                                                                                                                                                                                             |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| S-08   | The recovery of this surrogate was outside of QC limits.                                                                                                                                                                    |
| QM-05  | The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable. |
| M-SPKM | The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.                                                                                                                  |
| M-PS   | This Element exhibited recovery outside control limits for the Post Spike.                                                                                                                                                  |
| M-DUPS | The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity                                                                                                                      |
| 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.                                                     |
| CCVE   | The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).                                    |
| CAL-E  | The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%)                                                                                                     |

## Definitions and Other Explanations

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

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



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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

---

## Field Chain-of-Custody Record

YORK Project No.

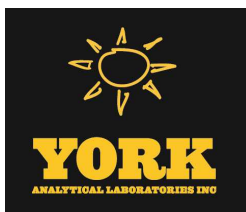
73A0461

Page 1 of

**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.

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

[illegible]



# Technical Report

prepared for:

**Gallagher Bassett - Poughkeepsie, NY**

22 IBM Road, Suite 101  
Poughkeepsie NY, 12601  
**Attention: Erick Salazar**

Report Date: 01/18/2023

**Client Project ID: 21003-0004**

York Project (SDG) No.: 23A0465

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  
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STRATFORD, CT 06615  
(203) 325-1371



132-02 89th AVENUE  
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RICHMOND HILL, NY 11418  
[ClientServices@yorklab.com](mailto:ClientServices@yorklab.com)

Report Date: 01/18/2023  
Client Project ID: 21003-0004  
York Project (SDG) No.: 23A0465

**Gallagher Bassett - Poughkeepsie, NY**  
22 IBM Road, Suite 101  
Poughkeepsie NY, 12601  
Attention: Erick Salazar

---

## 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 January 10, 2023 and listed below. The project was identified as your project: **21003-0004**.

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

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

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

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

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

| <u>York Sample ID</u> | <u>Client Sample ID</u> | <u>Matrix</u> | <u>Date Collected</u> | <u>Date Received</u> |
|-----------------------|-------------------------|---------------|-----------------------|----------------------|
| 23A0465-01            | B-8W 2-4                | Soil          | 01/10/2023            | 01/10/2023           |
| 23A0465-02            | Field Blank             | Water         | 01/10/2023            | 01/10/2023           |



## **General Notes for York Project (SDG) No.: 23A0465**

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:** 01/18/2023

Cassie L. Mosher  
Laboratory Manager





## Sample Information

**Client Sample ID:** B-8W 2-4

**York Sample ID:** 23A0465-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0465

21003-0004

Soil

January 10, 2023 10:12 am

01/10/2023

### PFAS, EPA 1633 Target List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

| CAS No.     | Parameter                                            | Result | Flag | Units     | Reported to LOQ | Dilution | Reference Method                    | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-------------|------------------------------------------------------|--------|------|-----------|-----------------|----------|-------------------------------------|--------------------|--------------------|---------|
| 375-73-5    | * Perfluorobutanesulfonic acid (PFBS)                | ND     |      | ug/kg dry | 0.229           | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 15:00   | 01/16/2023 23:32   | ESJ     |
| 307-24-4    | * Perfluorohexanoic acid (PFHxA)                     | ND     |      | ug/kg dry | 0.229           | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 15:00   | 01/16/2023 23:32   | ESJ     |
| 375-85-9    | * Perfluoroheptanoic acid (PFHpA)                    | ND     |      | ug/kg dry | 0.229           | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 15:00   | 01/16/2023 23:32   | ESJ     |
| 355-46-4    | * Perfluorohexanesulfonic acid (PFHxS)               | ND     |      | ug/kg dry | 0.229           | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 15:00   | 01/16/2023 23:32   | ESJ     |
| 335-67-1    | * Perfluorooctanoic acid (PFOA)                      | ND     |      | ug/kg dry | 0.229           | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 15:00   | 01/16/2023 23:32   | ESJ     |
| 1763-23-1   | * Perfluorooctanesulfonic acid (PFOS)                | ND     |      | ug/kg dry | 0.229           | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 15:00   | 01/16/2023 23:32   | ESJ     |
| 375-95-1    | * Perfluorononanoic acid (PFNA)                      | ND     |      | ug/kg dry | 0.229           | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 15:00   | 01/16/2023 23:32   | ESJ     |
| 335-76-2    | * Perfluorodecanoic acid (PFDA)                      | ND     |      | ug/kg dry | 0.229           | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 15:00   | 01/16/2023 23:32   | ESJ     |
| 2058-94-8   | * Perfluoroundecanoic acid (PFUnA)                   | ND     |      | ug/kg dry | 0.229           | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 15:00   | 01/16/2023 23:32   | ESJ     |
| 307-55-1    | * Perfluorododecanoic acid (PFDoA)                   | ND     |      | ug/kg dry | 0.229           | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 15:00   | 01/16/2023 23:32   | ESJ     |
| 72629-94-8  | * Perfluorotridecanoic acid (PFTriDA)                | ND     |      | ug/kg dry | 0.229           | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 15:00   | 01/16/2023 23:32   | ESJ     |
| 376-06-7    | * Perfluorotetradecanoic acid (PFTA)                 | ND     |      | ug/kg dry | 0.229           | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 15:00   | 01/16/2023 23:32   | ESJ     |
| 2355-31-9   | * N-MeFOSAA                                          | ND     |      | ug/kg dry | 0.229           | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 15:00   | 01/16/2023 23:32   | ESJ     |
| 2991-50-6   | * N-EtFOSAA                                          | ND     |      | ug/kg dry | 0.229           | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 15:00   | 01/16/2023 23:32   | ESJ     |
| 2706-90-3   | * Perfluoropentanoic acid (PFPeA)                    | ND     |      | ug/kg dry | 0.457           | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 15:00   | 01/16/2023 23:32   | ESJ     |
| 754-91-6    | * Perfluoro-1-octanesulfonamide (FOSA)               | ND     |      | ug/kg dry | 0.229           | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 15:00   | 01/16/2023 23:32   | ESJ     |
| 375-92-8    | * Perfluoro-1-heptanesulfonic acid (PFHpS)           | ND     |      | ug/kg dry | 0.229           | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 15:00   | 01/16/2023 23:32   | ESJ     |
| 335-77-3    | * Perfluoro-1-decanesulfonic acid (PFDS)             | ND     |      | ug/kg dry | 0.229           | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 15:00   | 01/16/2023 23:32   | ESJ     |
| 27619-97-2  | * 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS) | ND     |      | ug/kg dry | 0.915           | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 15:00   | 01/16/2023 23:32   | ESJ     |
| 39108-34-4  | * 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS) | ND     |      | ug/kg dry | 0.915           | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 15:00   | 01/16/2023 23:32   | ESJ     |
| 375-22-4    | * Perfluoro-n-butanoic acid (PFBA)                   | ND     |      | ug/kg dry | 0.915           | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 15:00   | 01/16/2023 23:32   | ESJ     |
| 113507-82-7 | * Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)   | ND     |      | ug/kg dry | 0.457           | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 15:00   | 01/16/2023 23:32   | ESJ     |



## Sample Information

**Client Sample ID:** B-8W 2-4

**York Sample ID:** 23A0465-01

York Project (SDG) No.  
23A0465

Client Project ID  
21003-0004

Matrix  
Soil

Collection Date/Time  
January 10, 2023 10:12 am

Date Received  
01/10/2023

### PFAS, EPA 1633 Target List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

| CAS No.                                             | Parameter                                            | Result | Flag             | Units     | Reported to LOQ | Dilution | Reference Method                    | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------------------------------|------------------------------------------------------|--------|------------------|-----------|-----------------|----------|-------------------------------------|--------------------|--------------------|---------|
| 151772-58-6                                         | * Perfluoro-3,6-dioxaheptanoic acid (NFDHA)          | ND     |                  | ug/kg dry | 0.457           | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 15:00   | 01/16/2023 23:32   | ESJ     |
| 377-73-1                                            | * Perfluoro-4-oxapentanoic acid (PFMPA)              | ND     |                  | ug/kg dry | 0.457           | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 15:00   | 01/16/2023 23:32   | ESJ     |
| 863090-89-5                                         | * Perfluoro-5-oxahexanoic acid (PFMBA)               | ND     |                  | ug/kg dry | 0.457           | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 15:00   | 01/16/2023 23:32   | ESJ     |
| 2706-91-4                                           | * Perfluoro-1-pentanesulfonate (PFPeS)               | ND     |                  | ug/kg dry | 0.229           | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 15:00   | 01/16/2023 23:32   | ESJ     |
| 757124-72-4                                         | * 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS) | ND     |                  | ug/kg dry | 0.915           | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 15:00   | 01/16/2023 23:32   | ESJ     |
| 13252-13-6                                          | * HFPO-DA (Gen-X)                                    | ND     |                  | ug/kg dry | 0.915           | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 15:00   | 01/16/2023 23:32   | ESJ     |
| 763051-92-9                                         | * 11CL-PF3OUdS                                       | ND     |                  | ug/kg dry | 0.915           | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 15:00   | 01/16/2023 23:32   | ESJ     |
| 756426-58-1                                         | * 9CL-PF3ONS                                         | ND     |                  | ug/kg dry | 0.915           | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 15:00   | 01/16/2023 23:32   | ESJ     |
| 919005-14-4                                         | * ADONA                                              | ND     |                  | ug/kg dry | 0.915           | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 15:00   | 01/16/2023 23:32   | ESJ     |
| 79780-39-5                                          | * Perfluorododecanesulfonic acid (PFDoS)             | ND     |                  | ug/kg dry | 0.229           | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 15:00   | 01/16/2023 23:32   | ESJ     |
| 68259-12-1                                          | * Perfluoro-1-nonanesulfonic acid (PFNS)             | ND     |                  | ug/kg dry | 0.229           | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 15:00   | 01/16/2023 23:32   | ESJ     |
| 356-02-5                                            | * 3-Perfluoropropyl propanoic acid (FPPa)            | ND     |                  | ug/kg dry | 1.14            | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 15:00   | 01/16/2023 23:32   | ESJ     |
| 914637-49-3                                         | * 3-Perfluoropentyl propanoic acid (FPePA)           | ND     |                  | ug/kg dry | 5.72            | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 15:00   | 01/16/2023 23:32   | ESJ     |
| 812-70-4                                            | * 3-Perfluoroheptyl propanoic acid (FHpPA)           | ND     |                  | ug/kg dry | 5.72            | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 15:00   | 01/16/2023 23:32   | ESJ     |
| 24448-09-7                                          | * N-MeFOSE                                           | ND     |                  | ug/kg dry | 2.29            | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 15:00   | 01/16/2023 23:32   | ESJ     |
| 31506-32-8                                          | * N-MeFOSA                                           | 0.336  |                  | ug/kg dry | 0.229           | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 15:00   | 01/16/2023 23:32   | ESJ     |
| 1691-99-2                                           | * N-EtFOSE                                           | ND     |                  | ug/kg dry | 2.29            | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 15:00   | 01/16/2023 23:32   | ESJ     |
| 4151-50-2                                           | * N-EtFOSA                                           | 1.43   |                  | ug/kg dry | 0.229           | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 15:00   | 01/16/2023 23:32   | ESJ     |
| Surrogate Recoveries                                |                                                      | Result | Acceptance Range |           |                 |          |                                     |                    |                    |         |
| Surrogate: M3PFBS                                   |                                                      | 93.7 % | 25-150           |           |                 |          |                                     |                    |                    |         |
| Surrogate: M5PFHxA                                  |                                                      | 91.4 % | 25-150           |           |                 |          |                                     |                    |                    |         |
| Surrogate: M4PFHpA                                  |                                                      | 83.6 % | 25-150           |           |                 |          |                                     |                    |                    |         |
| Surrogate: M3PFHxS                                  |                                                      | 107 %  | 25-150           |           |                 |          |                                     |                    |                    |         |
| Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA) |                                                      | 96.5 % | 25-150           |           |                 |          |                                     |                    |                    |         |
| Surrogate: M6PFDA                                   |                                                      | 96.4 % | 25-150           |           |                 |          |                                     |                    |                    |         |



## Sample Information

**Client Sample ID:** B-8W 2-4

**York Sample ID:** 23A0465-01

York Project (SDG) No.  
23A0465

Client Project ID  
21003-0004

Matrix  
Soil

Collection Date/Time  
January 10, 2023 10:12 am

Date Received  
01/10/2023

### PFAS, EPA 1633 Target List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

| CAS No. | Parameter                                                        | Result | Flag | Units | Reported to<br>LOQ | Dilution | Reference Method | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|------------------------------------------------------------------|--------|------|-------|--------------------|----------|------------------|-----------------------|-----------------------|---------|
|         | Surrogate: M7PFUdA                                               | 82.7 % |      |       | 25-150             |          |                  |                       |                       |         |
|         | Surrogate: Perfluoro-n-<br>[1,2-13C2]dodecanoic acid<br>(MPFDoA) | 69.6 % |      |       | 25-150             |          |                  |                       |                       |         |
|         | Surrogate: M2PFTeDA                                              | 37.0 % |      |       | 10-150             |          |                  |                       |                       |         |
|         | Surrogate: Perfluoro-n-<br>[13C4]butanoic acid (MPFBA)           | 95.1 % |      |       | 25-150             |          |                  |                       |                       |         |
|         | Surrogate: Perfluoro-1-<br>[13C8]octanesulfonic acid (M8PFOS)    | 92.8 % |      |       | 25-150             |          |                  |                       |                       |         |
|         | Surrogate: Perfluoro-n-<br>[13C5]pentanoic acid (M5PFPeA)        | 95.0 % |      |       | 25-150             |          |                  |                       |                       |         |
|         | Surrogate: Perfluoro-1-<br>[13C8]octanesulfonamide (M8FOSA)      | 3.47 % |      |       | 10-150             |          |                  |                       |                       |         |
|         | Surrogate: d3-N-MeFOSAA                                          | 66.2 % |      |       | 25-150             |          |                  |                       |                       |         |
|         | Surrogate: d5-N-EtFOSAA                                          | 63.6 % |      |       | 25-150             |          |                  |                       |                       |         |
|         | Surrogate: M2-6:2 FTS                                            | 80.6 % |      |       | 25-200             |          |                  |                       |                       |         |
|         | Surrogate: M2-8:2 FTS                                            | 74.0 % |      |       | 25-200             |          |                  |                       |                       |         |
|         | Surrogate: M9PFNA                                                | 89.6 % |      |       | 25-150             |          |                  |                       |                       |         |
|         | Surrogate: M2-4:2 FTS                                            | 70.0 % |      |       | 25-150             |          |                  |                       |                       |         |
|         | Surrogate: d-N-MeFOSA                                            | 4.89 % |      |       | 25-150             |          |                  |                       |                       |         |
|         | Surrogate: d-N-EtFOSA                                            | 37.0 % |      |       | 25-150             |          |                  |                       |                       |         |
|         | Surrogate: M3HFPO-DA                                             | 79.1 % |      |       | 25-150             |          |                  |                       |                       |         |
|         | Surrogate: d9-N-EtFOSE                                           | 4.34 % |      |       | 25-150             |          |                  |                       |                       |         |
|         | Surrogate: d7-N-MeFOSE                                           | 4.03 % |      |       | 25-150             |          |                  |                       |                       |         |

### Total Solids

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: % Solids Prep

| CAS No. | Parameter  | Result | Flag | Units | Reported to<br>LOQ | Dilution | Reference Method | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|------------|--------|------|-------|--------------------|----------|------------------|-----------------------|-----------------------|---------|
| solids  | * % Solids | 86.3   |      | %     | 0.100              | 1        | SM 2540G         | 01/18/2023 11:40      | 01/18/2023 14:59      | YR      |
|         |            |        |      |       |                    |          | Certifications:  | CTDOH-PH-0723         |                       |         |

## Sample Information

**Client Sample ID:** Field Blank

**York Sample ID:** 23A0465-02

York Project (SDG) No.  
23A0465

Client Project ID  
21003-0004

Matrix  
Water

Collection Date/Time  
January 10, 2023 10:12 am

Date Received  
01/10/2023

### PFAS, EPA 1633 Target List

### Log-in Notes:

### Sample Notes:



## Sample Information

**Client Sample ID:** Field Blank

**York Sample ID:** 23A0465-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0465

21003-0004

Water

January 10, 2023 10:12 am

01/10/2023

Sample Prepared by Method: EPA 1633 Prep

| CAS No.     | Parameter                                            | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method                    | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-------------|------------------------------------------------------|--------|------|-------|-----------------|----------|-------------------------------------|--------------------|--------------------|---------|
| 375-73-5    | * Perfluorobutanesulfonic acid (PFBS)                | ND     |      | ng/L  | 1.85            | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 18:00   | 01/13/2023 22:35   | ESJ     |
| 307-24-4    | * Perfluorohexanoic acid (PFHxA)                     | ND     |      | ng/L  | 1.85            | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 18:00   | 01/13/2023 22:35   | ESJ     |
| 375-85-9    | * Perfluoroheptanoic acid (PFHpA)                    | ND     |      | ng/L  | 1.85            | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 18:00   | 01/13/2023 22:35   | ESJ     |
| 355-46-4    | * Perfluorohexanesulfonic acid (PFHxS)               | ND     |      | ng/L  | 1.85            | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 18:00   | 01/13/2023 22:35   | ESJ     |
| 335-67-1    | * Perfluorooctanoic acid (PFOA)                      | ND     |      | ng/L  | 1.85            | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 18:00   | 01/13/2023 22:35   | ESJ     |
| 1763-23-1   | * Perfluorooctanesulfonic acid (PFOS)                | ND     |      | ng/L  | 1.85            | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 18:00   | 01/13/2023 22:35   | ESJ     |
| 375-95-1    | * Perfluorononanoic acid (PFNA)                      | ND     |      | ng/L  | 1.85            | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 18:00   | 01/13/2023 22:35   | ESJ     |
| 335-76-2    | * Perfluorodecanoic acid (PFDA)                      | ND     |      | ng/L  | 1.85            | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 18:00   | 01/13/2023 22:35   | ESJ     |
| 2058-94-8   | * Perfluoroundecanoic acid (PFUnA)                   | ND     |      | ng/L  | 1.85            | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 18:00   | 01/13/2023 22:35   | ESJ     |
| 307-55-1    | * Perfluorododecanoic acid (PFDoA)                   | ND     |      | ng/L  | 1.85            | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 18:00   | 01/13/2023 22:35   | ESJ     |
| 72629-94-8  | * Perfluorotridecanoic acid (PFTrDA)                 | ND     |      | ng/L  | 1.85            | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 18:00   | 01/13/2023 22:35   | ESJ     |
| 376-06-7    | * Perfluorotetradecanoic acid (PFTA)                 | ND     |      | ng/L  | 1.85            | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 18:00   | 01/13/2023 22:35   | ESJ     |
| 2355-31-9   | * N-MeFOSAA                                          | ND     |      | ng/L  | 1.85            | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 18:00   | 01/13/2023 22:35   | ESJ     |
| 2991-50-6   | * N-EtFOSAA                                          | ND     |      | ng/L  | 1.85            | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 18:00   | 01/13/2023 22:35   | ESJ     |
| 2706-90-3   | * Perfluoropentanoic acid (PFPeA)                    | ND     |      | ng/L  | 3.70            | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 18:00   | 01/13/2023 22:35   | ESJ     |
| 754-91-6    | * Perfluoro-1-octanesulfonamide (FOSA)               | ND     |      | ng/L  | 1.85            | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 18:00   | 01/13/2023 22:35   | ESJ     |
| 375-92-8    | * Perfluoro-1-heptanesulfonic acid (PFHpS)           | ND     |      | ng/L  | 1.85            | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 18:00   | 01/13/2023 22:35   | ESJ     |
| 335-77-3    | * Perfluoro-1-decanesulfonic acid (PFDS)             | ND     |      | ng/L  | 1.85            | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 18:00   | 01/13/2023 22:35   | ESJ     |
| 27619-97-2  | * 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS) | ND     |      | ng/L  | 7.40            | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 18:00   | 01/13/2023 22:35   | ESJ     |
| 39108-34-4  | * 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS) | ND     |      | ng/L  | 7.40            | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 18:00   | 01/13/2023 22:35   | ESJ     |
| 375-22-4    | * Perfluoro-n-butanoic acid (PFBA)                   | ND     |      | ng/L  | 7.40            | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 18:00   | 01/13/2023 22:35   | ESJ     |
| 113507-82-7 | * Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)   | ND     |      | ng/L  | 3.70            | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 18:00   | 01/13/2023 22:35   | ESJ     |
| 151772-58-6 | * Perfluoro-3,6-dioxahexanoic acid (NFDHA)           | ND     |      | ng/L  | 3.70            | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 18:00   | 01/13/2023 22:35   | ESJ     |



## Sample Information

**Client Sample ID:** Field Blank

**York Sample ID:** 23A0465-02

York Project (SDG) No.  
23A0465

Client Project ID  
21003-0004

Matrix  
Water

Collection Date/Time  
January 10, 2023 10:12 am

Date Received  
01/10/2023

### PFAS, EPA 1633 Target List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

| CAS No.     | Parameter                                            | Result      | Flag | Units | Reported to LOQ | Dilution | Reference Method                    | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-------------|------------------------------------------------------|-------------|------|-------|-----------------|----------|-------------------------------------|--------------------|--------------------|---------|
| 377-73-1    | * Perfluoro-4-oxapentanoic acid (PFMPA)              | ND          |      | ng/L  | 3.70            | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 18:00   | 01/13/2023 22:35   | ESJ     |
| 863090-89-5 | * Perfluoro-5-oxahexanoic acid (PFMBA)               | ND          |      | ng/L  | 3.70            | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 18:00   | 01/13/2023 22:35   | ESJ     |
| 2706-91-4   | * Perfluoro-1-pentanesulfonate (PFPeS)               | ND          |      | ng/L  | 1.85            | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 18:00   | 01/13/2023 22:35   | ESJ     |
| 757124-72-4 | * 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS) | ND          |      | ng/L  | 7.40            | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 18:00   | 01/13/2023 22:35   | ESJ     |
| 13252-13-6  | * HFPO-DA (Gen-X)                                    | ND          |      | ng/L  | 7.40            | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 18:00   | 01/13/2023 22:35   | ESJ     |
| 763051-92-9 | * 11CL-PF3OUdS                                       | ND          |      | ng/L  | 7.40            | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 18:00   | 01/13/2023 22:35   | ESJ     |
| 756426-58-1 | * 9CL-PF3ONS                                         | ND          |      | ng/L  | 7.40            | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 18:00   | 01/13/2023 22:35   | ESJ     |
| 919005-14-4 | * ADONA                                              | ND          |      | ng/L  | 7.40            | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 18:00   | 01/13/2023 22:35   | ESJ     |
| 79780-39-5  | * Perfluorododecanesulfonic acid (PFDoS)             | ND          |      | ng/L  | 1.85            | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 18:00   | 01/13/2023 22:35   | ESJ     |
| 68259-12-1  | * Perfluoro-1-nonanesulfonic acid (PFNS)             | ND          |      | ng/L  | 1.85            | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 18:00   | 01/13/2023 22:35   | ESJ     |
| 356-02-5    | * 3-Perfluoropropyl propanoic acid (FPrPA)           | ND          |      | ng/L  | 4.62            | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 18:00   | 01/13/2023 22:35   | ESJ     |
| 914637-49-3 | * 3-Perfluoropentyl propanoic acid (FPePA)           | ND          |      | ng/L  | 23.1            | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 18:00   | 01/13/2023 22:35   | ESJ     |
| 812-70-4    | * 3-Perfluoroheptyl propanoic acid (FHpPA)           | ND          |      | ng/L  | 23.1            | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 18:00   | 01/13/2023 22:35   | ESJ     |
| 24448-09-7  | * N-MeFOSE                                           | ND          |      | ng/L  | 18.5            | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 18:00   | 01/13/2023 22:35   | ESJ     |
| 31506-32-8  | * N-MeFOSA                                           | ND          |      | ng/L  | 1.85            | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 18:00   | 01/13/2023 22:35   | ESJ     |
| 1691-99-2   | * N-EtFOSE                                           | ND          |      | ng/L  | 18.5            | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 18:00   | 01/13/2023 22:35   | ESJ     |
| 4151-50-2   | * <b>N-EtFOSA</b>                                    | <b>1.34</b> | B    | ng/L  | 0.185           | 1        | EPA 1633 Draft 2<br>Certifications: | 01/10/2023 18:00   | 01/13/2023 22:35   | ESJ     |

#### Surrogate Recoveries

#### Result

#### Acceptance Range

|                                                     |        |        |
|-----------------------------------------------------|--------|--------|
| Surrogate: M3PFBS                                   | 97.9 % | 25-150 |
| Surrogate: M5PFHxA                                  | 114 %  | 25-150 |
| Surrogate: M4PFHpA                                  | 104 %  | 25-150 |
| Surrogate: M3PFHxS                                  | 114 %  | 25-150 |
| Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA) | 111 %  | 25-150 |
| Surrogate: M6PFDA                                   | 112 %  | 25-150 |
| Surrogate: M7PFUdA                                  | 101 %  | 25-150 |



## Sample Information

**Client Sample ID:** Field Blank

**York Sample ID:** 23A0465-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0465

21003-0004

Water

January 10, 2023 10:12 am

01/10/2023

### PFAS, EPA 1633 Target List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

| CAS No. | Parameter                                                        | Result | Flag | Units | Reported to<br>LOQ | Dilution | Reference Method | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|------------------------------------------------------------------|--------|------|-------|--------------------|----------|------------------|-----------------------|-----------------------|---------|
|         | Surrogate: Perfluoro-n-<br>[1,2-13C2]dodecanoic acid<br>(MPFDoA) | 94.1 % |      |       |                    | 25-150   |                  |                       |                       |         |
|         | Surrogate: M2PFTeDA                                              | 66.5 % |      |       |                    | 10-150   |                  |                       |                       |         |
|         | Surrogate: Perfluoro-n-<br>[13C4]butanoic acid (MPFBA)           | 116 %  |      |       |                    | 25-150   |                  |                       |                       |         |
|         | Surrogate: Perfluoro-1-<br>[13C8]octanesulfonic acid (M8PFOS)    | 128 %  |      |       |                    | 25-150   |                  |                       |                       |         |
|         | Surrogate: Perfluoro-n-<br>[13C5]pentanoic acid (M5PFPeA)        | 114 %  |      |       |                    | 25-150   |                  |                       |                       |         |
|         | Surrogate: Perfluoro-1-<br>[13C8]octanesulfonamide (M8FOSA)      | 7.86 % |      |       |                    | 10-150   |                  |                       |                       |         |
|         | Surrogate: d3-N-MeFOSAA                                          | 97.7 % |      |       |                    | 25-150   |                  |                       |                       |         |
|         | Surrogate: d5-N-EtFOSAA                                          | 91.4 % |      |       |                    | 25-150   |                  |                       |                       |         |
|         | Surrogate: M2-6:2 FTS                                            | 88.0 % |      |       |                    | 25-200   |                  |                       |                       |         |
|         | Surrogate: M2-8:2 FTS                                            | 83.3 % |      |       |                    | 25-200   |                  |                       |                       |         |
|         | Surrogate: M9PFNA                                                | 116 %  |      |       |                    | 25-150   |                  |                       |                       |         |
|         | Surrogate: M2-4:2 FTS                                            | 79.8 % |      |       |                    | 25-150   |                  |                       |                       |         |
|         | Surrogate: d-N-MeFOSA                                            | 19.6 % |      |       |                    | 25-150   |                  |                       |                       |         |
|         | Surrogate: d-N-EtFOSA                                            | 56.9 % |      |       |                    | 25-150   |                  |                       |                       |         |
|         | Surrogate: M3HFPO-DA                                             | 100 %  |      |       |                    | 25-150   |                  |                       |                       |         |
|         | Surrogate: d9-N-EtFOSE                                           | 18.0 % |      |       |                    | 25-150   |                  |                       |                       |         |
|         | Surrogate: d7-N-MeFOSE                                           | 16.5 % |      |       |                    | 25-150   |                  |                       |                       |         |



## Analytical Batch Summary

**Batch ID:** BA30361      **Preparation Method:** EPA 1633 Prep      **Prepared By:** BAMW

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 23A0465-01     | B-8W 2-4         | 01/10/23         |
| BA30361-BLK1   | Blank            | 01/10/23         |
| BA30361-BS1    | LCS              | 01/10/23         |
| BA30361-BS2    | LCS              | 01/10/23         |
| BA30361-DUP1   | Duplicate        | 01/10/23         |

**Batch ID:** BA30396      **Preparation Method:** EPA 1633 Prep      **Prepared By:** BAMW

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 23A0465-02     | Field Blank      | 01/10/23         |
| BA30396-BLK1   | Blank            | 01/10/23         |
| BA30396-BS1    | LCS              | 01/10/23         |
| BA30396-BS2    | LCS              | 01/10/23         |

**Batch ID:** BA30936      **Preparation Method:** % Solids Prep      **Prepared By:** YR

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 23A0465-01     | B-8W 2-4         | 01/18/23         |
| BA30936-DUP1   | Duplicate        | 01/18/23         |





PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source*<br>Result | %REC | %REC<br>Limits | Flag | RPD | RPD<br>Limit | Flag |
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|

Batch BA30361 - EPA 1633 Prep

Blank (BA30361-BLK1)

Prepared: 01/10/2023 Analyzed: 01/16/2023

|                                                        |      |       |           |      |  |      |        |  |  |  |  |
|--------------------------------------------------------|------|-------|-----------|------|--|------|--------|--|--|--|--|
| Perfluorobutanesulfonic acid (PFBS)                    | ND   | 0.199 | ug/kg wet |      |  |      |        |  |  |  |  |
| Perfluorohexanoic acid (PFHxA)                         | ND   | 0.199 | "         |      |  |      |        |  |  |  |  |
| Perfluoroheptanoic acid (PFHpA)                        | ND   | 0.199 | "         |      |  |      |        |  |  |  |  |
| Perfluorohexanesulfonic acid (PFHxS)                   | ND   | 0.199 | "         |      |  |      |        |  |  |  |  |
| Perfluorooctanoic acid (PFOA)                          | ND   | 0.199 | "         |      |  |      |        |  |  |  |  |
| Perfluorooctanesulfonic acid (PFOS)                    | ND   | 0.199 | "         |      |  |      |        |  |  |  |  |
| Perfluorononanoic acid (PFNA)                          | ND   | 0.199 | "         |      |  |      |        |  |  |  |  |
| Perfluorodecanoic acid (PFDA)                          | ND   | 0.199 | "         |      |  |      |        |  |  |  |  |
| Perfluoroundecanoic acid (PFUnA)                       | ND   | 0.199 | "         |      |  |      |        |  |  |  |  |
| Perfluorododecanoic acid (PFDoA)                       | ND   | 0.199 | "         |      |  |      |        |  |  |  |  |
| Perfluorotridecanoic acid (PFTriDA)                    | ND   | 0.199 | "         |      |  |      |        |  |  |  |  |
| Perfluorotetradecanoic acid (PFTA)                     | ND   | 0.199 | "         |      |  |      |        |  |  |  |  |
| N-MeFOSAA                                              | ND   | 0.199 | "         |      |  |      |        |  |  |  |  |
| N-EtFOSAA                                              | ND   | 0.199 | "         |      |  |      |        |  |  |  |  |
| Perfluoropentanoic acid (PFPeA)                        | ND   | 0.398 | "         |      |  |      |        |  |  |  |  |
| Perfluoro-1-octanesulfonamide (FOSA)                   | ND   | 0.199 | "         |      |  |      |        |  |  |  |  |
| Perfluoro-1-heptanesulfonic acid (PFHpS)               | ND   | 0.199 | "         |      |  |      |        |  |  |  |  |
| Perfluoro-1-decanesulfonic acid (PFDS)                 | ND   | 0.199 | "         |      |  |      |        |  |  |  |  |
| 1H,1H,2H,2H-Perfluorooctanesulfonic acid<br>(6:2 FTS)  | ND   | 0.795 | "         |      |  |      |        |  |  |  |  |
| 1H,1H,2H,2H-Perfluorodecanesulfonic acid<br>(8:2 FTS)  | ND   | 0.795 | "         |      |  |      |        |  |  |  |  |
| Perfluoro-n-butanoic acid (PFBA)                       | ND   | 0.795 | "         |      |  |      |        |  |  |  |  |
| Perfluoro(2-ethoxyethane)sulfonic acid<br>(PFEESA)     | ND   | 0.398 | "         |      |  |      |        |  |  |  |  |
| Perfluoro-3,6-dioxahexanoic acid (NFDHA)               | ND   | 0.398 | "         |      |  |      |        |  |  |  |  |
| Perfluoro-4-oxapentanoic acid (PFMPA)                  | ND   | 0.398 | "         |      |  |      |        |  |  |  |  |
| Perfluoro-5-oxahexanoic acid (PFMBA)                   | ND   | 0.398 | "         |      |  |      |        |  |  |  |  |
| Perfluoro-1-pentanesulfonate (PFPeS)                   | ND   | 0.199 | "         |      |  |      |        |  |  |  |  |
| 1H,1H,2H,2H-Perfluorohexanesulfonic acid<br>(4:2 FTS)  | ND   | 0.795 | "         |      |  |      |        |  |  |  |  |
| HFPO-DA (Gen-X)                                        | ND   | 0.795 | "         |      |  |      |        |  |  |  |  |
| 11CL-PF3OUdS                                           | ND   | 0.795 | "         |      |  |      |        |  |  |  |  |
| 9CL-PF3ONS                                             | ND   | 0.795 | "         |      |  |      |        |  |  |  |  |
| ADONA                                                  | ND   | 0.795 | "         |      |  |      |        |  |  |  |  |
| Perfluorododecanesulfonic acid (PFDoS)                 | ND   | 0.199 | "         |      |  |      |        |  |  |  |  |
| Perfluoro-1-nonanesulfonic acid (PFNS)                 | ND   | 0.199 | "         |      |  |      |        |  |  |  |  |
| 3-Perfluoropropyl propanoic acid (FPrPA)               | ND   | 0.994 | "         |      |  |      |        |  |  |  |  |
| 3-Perfluoropentyl propanoic acid (FPePA)               | ND   | 4.97  | "         |      |  |      |        |  |  |  |  |
| 3-Perfluoroheptyl propanoic acid (FHpPA)               | ND   | 4.97  | "         |      |  |      |        |  |  |  |  |
| N-MeFOSE                                               | ND   | 1.99  | "         |      |  |      |        |  |  |  |  |
| N-MeFOSA                                               | ND   | 0.199 | "         |      |  |      |        |  |  |  |  |
| N-EtFOSE                                               | ND   | 1.99  | "         |      |  |      |        |  |  |  |  |
| N-EtFOSA                                               | ND   | 0.199 | "         |      |  |      |        |  |  |  |  |
| Surrogate: M3PFBS                                      | 2.00 |       | "         | 2.32 |  | 86.4 | 25-150 |  |  |  |  |
| Surrogate: M5PFHxA                                     | 2.49 |       | "         | 2.49 |  | 100  | 25-150 |  |  |  |  |
| Surrogate: M4PFHpA                                     | 2.43 |       | "         | 2.49 |  | 97.6 | 25-150 |  |  |  |  |
| Surrogate: M3PFHxS                                     | 2.28 |       | "         | 2.36 |  | 96.7 | 25-150 |  |  |  |  |
| Surrogate: Perfluoro-n-[13C8]octanoic<br>acid (M8PFOA) | 2.15 |       | "         | 2.49 |  | 86.4 | 25-150 |  |  |  |  |
| Surrogate: M6PFDA                                      | 1.19 |       | "         | 1.24 |  | 95.4 | 25-150 |  |  |  |  |



# PFAS Target compounds by LC/MS-MS - Quality Control Data

## York Analytical Laboratories, Inc. - Stratford

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

### Batch BA30361 - EPA 1633 Prep

#### Blank (BA30361-BLK1)

Prepared: 01/10/2023 Analyzed: 01/16/2023

|                                                           |       |  |           |      |  |      |        |  |  |  |  |
|-----------------------------------------------------------|-------|--|-----------|------|--|------|--------|--|--|--|--|
| Surrogate: M7PFUdA                                        | 1.11  |  | ug/kg wet | 1.24 |  | 89.0 | 25-150 |  |  |  |  |
| Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA) | 0.926 |  | "         | 1.24 |  | 74.6 | 25-150 |  |  |  |  |
| Surrogate: M2PFTeDA                                       | 0.735 |  | "         | 1.24 |  | 59.1 | 10-150 |  |  |  |  |
| Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)        | 10.5  |  | "         | 9.94 |  | 106  | 25-150 |  |  |  |  |
| Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS) | 2.23  |  | "         | 2.38 |  | 93.8 | 25-150 |  |  |  |  |
| Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)     | 5.33  |  | "         | 4.97 |  | 107  | 25-150 |  |  |  |  |
| Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)   | 0.466 |  | "         | 2.49 |  | 18.8 | 10-150 |  |  |  |  |
| Surrogate: d3-N-MeFOSAA                                   | 3.45  |  | "         | 4.97 |  | 69.5 | 25-150 |  |  |  |  |
| Surrogate: d5-N-EtFOSAA                                   | 3.33  |  | "         | 4.97 |  | 67.0 | 25-150 |  |  |  |  |
| Surrogate: M2-6:2 FTS                                     | 3.71  |  | "         | 4.73 |  | 78.4 | 25-200 |  |  |  |  |
| Surrogate: M2-8:2 FTS                                     | 3.06  |  | "         | 4.77 |  | 64.2 | 25-200 |  |  |  |  |
| Surrogate: M9PFNA                                         | 1.44  |  | "         | 1.24 |  | 116  | 25-150 |  |  |  |  |
| Surrogate: M2-4:2 FTS                                     | 3.07  |  | "         | 4.66 |  | 65.8 | 25-150 |  |  |  |  |
| Surrogate: d-N-MeFOSA                                     | 0.546 |  | "         | 2.49 |  | 22.0 | 25-150 |  |  |  |  |
| Surrogate: d-N-EtFOSA                                     | 1.60  |  | "         | 2.49 |  | 64.2 | 25-150 |  |  |  |  |
| Surrogate: M3HFPO-DA                                      | 9.18  |  | "         | 9.94 |  | 92.4 | 25-150 |  |  |  |  |
| Surrogate: d9-N-EtFOSE                                    | 5.58  |  | "         | 24.9 |  | 22.5 | 25-150 |  |  |  |  |
| Surrogate: d7-N-MeFOSE                                    | 5.86  |  | "         | 24.9 |  | 23.6 | 25-150 |  |  |  |  |

#### LCS (BA30361-BS1)

Prepared: 01/10/2023 Analyzed: 01/16/2023

|                                                    |      |       |           |      |  |      |        |  |  |  |  |
|----------------------------------------------------|------|-------|-----------|------|--|------|--------|--|--|--|--|
| Perfluorobutanesulfonic acid (PFBS)                | 3.23 | 0.200 | ug/kg wet | 3.53 |  | 91.3 | 50-150 |  |  |  |  |
| Perfluorohexanoic acid (PFHxA)                     | 3.65 | 0.200 | "         | 3.99 |  | 91.3 | 50-150 |  |  |  |  |
| Perfluoroheptanoic acid (PFHpA)                    | 3.78 | 0.200 | "         | 3.99 |  | 94.7 | 50-150 |  |  |  |  |
| Perfluorohexanesulfonic acid (PFHxS)               | 4.50 | 0.200 | "         | 3.65 |  | 123  | 50-150 |  |  |  |  |
| Perfluorooctanoic acid (PFOA)                      | 3.44 | 0.200 | "         | 3.99 |  | 86.3 | 50-150 |  |  |  |  |
| Perfluorooctanesulfonic acid (PFOS)                | 3.20 | 0.200 | "         | 3.71 |  | 86.2 | 50-150 |  |  |  |  |
| Perfluorononanoic acid (PFNA)                      | 3.11 | 0.200 | "         | 3.99 |  | 78.0 | 50-150 |  |  |  |  |
| Perfluorodecanoic acid (PFDA)                      | 3.77 | 0.200 | "         | 3.99 |  | 94.5 | 50-150 |  |  |  |  |
| Perfluoroundecanoic acid (PFUnA)                   | 3.48 | 0.200 | "         | 3.99 |  | 87.1 | 50-150 |  |  |  |  |
| Perfluorododecanoic acid (PFDoA)                   | 3.90 | 0.200 | "         | 3.99 |  | 97.7 | 50-150 |  |  |  |  |
| Perfluorotridecanoic acid (PFTrDA)                 | 4.23 | 0.200 | "         | 3.99 |  | 106  | 50-150 |  |  |  |  |
| Perfluorotetradecanoic acid (PFTA)                 | 3.40 | 0.200 | "         | 3.99 |  | 85.2 | 50-150 |  |  |  |  |
| N-MeFOSAA                                          | 3.39 | 0.200 | "         | 3.99 |  | 85.0 | 50-150 |  |  |  |  |
| N-EtFOSAA                                          | 3.77 | 0.200 | "         | 3.99 |  | 94.4 | 50-150 |  |  |  |  |
| Perfluoropentanoic acid (PFPeA)                    | 7.19 | 0.399 | "         | 7.98 |  | 90.1 | 50-150 |  |  |  |  |
| Perfluoro-1-octanesulfonamide (FOSA)               | 3.82 | 0.200 | "         | 3.99 |  | 95.6 | 50-150 |  |  |  |  |
| Perfluoro-1-heptanesulfonic acid (PFHpS)           | 3.82 | 0.200 | "         | 3.81 |  | 100  | 50-150 |  |  |  |  |
| Perfluoro-1-decanesulfonic acid (PFDS)             | 3.22 | 0.200 | "         | 3.85 |  | 83.5 | 50-150 |  |  |  |  |
| 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS) | 13.8 | 0.798 | "         | 15.2 |  | 90.9 | 50-150 |  |  |  |  |
| 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS) | 14.5 | 0.798 | "         | 15.3 |  | 94.9 | 50-150 |  |  |  |  |
| Perfluoro-n-butanoic acid (PFBA)                   | 14.1 | 0.798 | "         | 16.0 |  | 88.2 | 50-150 |  |  |  |  |
| Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)     | 6.95 | 0.399 | "         | 7.11 |  | 97.8 | 50-150 |  |  |  |  |
| Perfluoro-3,6-dioxahexanoic acid (NFDHA)           | 5.58 | 0.399 | "         | 7.98 |  | 69.8 | 50-150 |  |  |  |  |
| Perfluoro-4-oxapentanoic acid (PFMPA)              | 8.23 | 0.399 | "         | 7.98 |  | 103  | 50-150 |  |  |  |  |
| Perfluoro-5-oxahexanoic acid (PFMBA)               | 7.39 | 0.399 | "         | 7.98 |  | 92.6 | 50-150 |  |  |  |  |



# PFAS Target compounds by LC/MS-MS - Quality Control Data

## York Analytical Laboratories, Inc. - Stratford

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

### Batch BA30361 - EPA 1633 Prep

#### LCS (BA30361-BS1)

Prepared: 01/10/2023 Analyzed: 01/16/2023

|                                                           |       |       |           |      |  |      |        |          |  |  |  |
|-----------------------------------------------------------|-------|-------|-----------|------|--|------|--------|----------|--|--|--|
| Perfluoro-1-pentanesulfonate (PFPeS)                      | 3.44  | 0.200 | ug/kg wet | 3.75 |  | 91.6 | 50-150 |          |  |  |  |
| 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)        | 13.2  | 0.798 | "         | 15.0 |  | 88.0 | 50-150 |          |  |  |  |
| HFPO-DA (Gen-X)                                           | 7.21  | 0.798 | "         | 7.98 |  | 90.3 | 50-150 |          |  |  |  |
| 11CL-PF3OUdS                                              | 5.97  | 0.798 | "         | 7.54 |  | 79.1 | 50-150 |          |  |  |  |
| 9CL-PF3ONS                                                | 6.99  | 0.798 | "         | 7.47 |  | 93.6 | 50-150 |          |  |  |  |
| ADONA                                                     | 7.90  | 0.798 | "         | 7.54 |  | 105  | 50-150 |          |  |  |  |
| Perfluorododecanesulfonic acid (PFDoS)                    | 2.59  | 0.200 | "         | 3.87 |  | 66.9 | 50-150 |          |  |  |  |
| Perfluoro-1-nonanesulfonic acid (PFNS)                    | 3.90  | 0.200 | "         | 3.83 |  | 102  | 50-150 |          |  |  |  |
| 3-Perfluoropropyl propanoic acid (FPrPA)                  | 5.10  | 0.998 | "         | 16.0 |  | 31.9 | 50-150 | Low Bias |  |  |  |
| 3-Perfluoropentyl propanoic acid (FPePA)                  | 39.3  | 4.99  | "         | 79.8 |  | 49.2 | 50-150 | Low Bias |  |  |  |
| 3-Perfluoroheptyl propanoic acid (FHpPA)                  | 40.6  | 4.99  | "         | 79.8 |  | 50.8 | 50-150 |          |  |  |  |
| N-MeFOSE                                                  | 33.4  | 2.00  | "         | 39.9 |  | 83.8 | 50-150 |          |  |  |  |
| N-MeFOSA                                                  | 4.64  | 0.200 | "         | 3.99 |  | 116  | 50-150 |          |  |  |  |
| N-EtFOSE                                                  | 35.8  | 2.00  | "         | 39.9 |  | 89.7 | 50-150 |          |  |  |  |
| N-EtFOSA                                                  | 2.87  | 0.200 | "         | 3.99 |  | 71.9 | 50-150 |          |  |  |  |
| Surrogate: M3PFBS                                         | 2.26  |       | "         | 2.33 |  | 97.0 | 25-150 |          |  |  |  |
| Surrogate: M5PFHxA                                        | 2.57  |       | "         | 2.50 |  | 103  | 25-150 |          |  |  |  |
| Surrogate: M4PFHpA                                        | 2.19  |       | "         | 2.50 |  | 87.8 | 25-150 |          |  |  |  |
| Surrogate: M3PFHxS                                        | 2.33  |       | "         | 2.37 |  | 98.7 | 25-150 |          |  |  |  |
| Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)       | 2.40  |       | "         | 2.50 |  | 96.2 | 25-150 |          |  |  |  |
| Surrogate: M6PFDA                                         | 1.02  |       | "         | 1.25 |  | 81.7 | 25-150 |          |  |  |  |
| Surrogate: M7PFUdA                                        | 0.992 |       | "         | 1.25 |  | 79.5 | 25-150 |          |  |  |  |
| Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA) | 0.835 |       | "         | 1.25 |  | 66.9 | 25-150 |          |  |  |  |
| Surrogate: M2PFTeDA                                       | 0.625 |       | "         | 1.25 |  | 50.1 | 10-150 |          |  |  |  |
| Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)        | 11.1  |       | "         | 9.98 |  | 111  | 25-150 |          |  |  |  |
| Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS) | 2.24  |       | "         | 2.39 |  | 93.6 | 25-150 |          |  |  |  |
| Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)     | 5.50  |       | "         | 4.99 |  | 110  | 25-150 |          |  |  |  |
| Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)   | 0.528 |       | "         | 2.50 |  | 21.2 | 10-150 |          |  |  |  |
| Surrogate: d3-N-MeFOSAA                                   | 3.64  |       | "         | 4.99 |  | 73.0 | 25-150 |          |  |  |  |
| Surrogate: d5-N-EtFOSAA                                   | 3.55  |       | "         | 4.99 |  | 71.2 | 25-150 |          |  |  |  |
| Surrogate: M2-6:2 FTS                                     | 4.42  |       | "         | 4.75 |  | 93.1 | 25-200 |          |  |  |  |
| Surrogate: M2-8:2 FTS                                     | 3.74  |       | "         | 4.79 |  | 78.1 | 25-200 |          |  |  |  |
| Surrogate: M9PFNA                                         | 1.35  |       | "         | 1.25 |  | 108  | 25-150 |          |  |  |  |
| Surrogate: M2-4:2 FTS                                     | 3.68  |       | "         | 4.68 |  | 78.6 | 25-150 |          |  |  |  |
| Surrogate: d-N-MeFOSA                                     | 0.473 |       | "         | 2.50 |  | 18.9 | 25-150 |          |  |  |  |
| Surrogate: d-N-EtFOSA                                     | 1.41  |       | "         | 2.50 |  | 56.6 | 25-150 |          |  |  |  |
| Surrogate: M3HFPO-DA                                      | 9.97  |       | "         | 9.98 |  | 99.9 | 25-150 |          |  |  |  |
| Surrogate: d9-N-EtFOSE                                    | 5.02  |       | "         | 25.0 |  | 20.1 | 25-150 |          |  |  |  |
| Surrogate: d7-N-MeFOSE                                    | 5.82  |       | "         | 25.0 |  | 23.3 | 25-150 |          |  |  |  |



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

| Analyte                                             | Result | Reporting Limit | Units     | Spike Level | Source* Result | %REC                                      | %REC Limits | Flag     | RPD | RPD Limit | Flag |
|-----------------------------------------------------|--------|-----------------|-----------|-------------|----------------|-------------------------------------------|-------------|----------|-----|-----------|------|
| Batch BA30361 - EPA 1633 Prep                       |        |                 |           |             |                |                                           |             |          |     |           |      |
| LCS (BA30361-BS2)                                   |        |                 |           |             |                | Prepared: 01/10/2023 Analyzed: 01/16/2023 |             |          |     |           |      |
| Perfluorobutanesulfonic acid (PFBS)                 | 0.298  | 0.199           | ug/kg wet | 0.353       |                | 84.5                                      | 50-150      |          |     |           |      |
| Perfluorohexanoic acid (PFHxA)                      | 0.335  | 0.199           | "         | 0.398       |                | 84.2                                      | 50-150      |          |     |           |      |
| Perfluoroheptanoic acid (PFHpA)                     | 0.351  | 0.199           | "         | 0.398       |                | 88.0                                      | 50-150      |          |     |           |      |
| Perfluorohexanesulfonic acid (PFHxS)                | 0.409  | 0.199           | "         | 0.365       |                | 112                                       | 50-150      |          |     |           |      |
| Perfluorooctanoic acid (PFOA)                       | 0.381  | 0.199           | "         | 0.398       |                | 95.6                                      | 50-150      |          |     |           |      |
| Perfluorooctanesulfonic acid (PFOS)                 | 0.363  | 0.199           | "         | 0.371       |                | 98.0                                      | 50-150      |          |     |           |      |
| Perfluorononanoic acid (PFNA)                       | 0.322  | 0.199           | "         | 0.398       |                | 80.9                                      | 50-150      |          |     |           |      |
| Perfluorodecanoic acid (PFDA)                       | 0.317  | 0.199           | "         | 0.398       |                | 79.6                                      | 50-150      |          |     |           |      |
| Perfluoroundecanoic acid (PFUnA)                    | 0.344  | 0.199           | "         | 0.398       |                | 86.4                                      | 50-150      |          |     |           |      |
| Perfluorododecanoic acid (PFDoA)                    | 0.362  | 0.199           | "         | 0.398       |                | 90.9                                      | 50-150      |          |     |           |      |
| Perfluorotridecanoic acid (PFTriDA)                 | 0.305  | 0.199           | "         | 0.398       |                | 76.6                                      | 50-150      |          |     |           |      |
| Perfluorotetradecanoic acid (PFTA)                  | 0.349  | 0.199           | "         | 0.398       |                | 87.7                                      | 50-150      |          |     |           |      |
| N-MeFOSAA                                           | 0.349  | 0.199           | "         | 0.398       |                | 87.6                                      | 50-150      |          |     |           |      |
| N-EtFOSAA                                           | 0.368  | 0.199           | "         | 0.398       |                | 92.4                                      | 50-150      |          |     |           |      |
| Perfluoropentanoic acid (PFPeA)                     | 0.677  | 0.398           | "         | 0.797       |                | 85.0                                      | 50-150      |          |     |           |      |
| Perfluoro-1-octanesulfonamide (FOSA)                | 0.383  | 0.199           | "         | 0.398       |                | 96.1                                      | 50-150      |          |     |           |      |
| Perfluoro-1-heptanesulfonic acid (PFHpS)            | 0.377  | 0.199           | "         | 0.380       |                | 99.1                                      | 50-150      |          |     |           |      |
| Perfluoro-1-decanesulfonic acid (PFDS)              | 0.239  | 0.199           | "         | 0.384       |                | 62.3                                      | 50-150      |          |     |           |      |
| 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)  | 1.25   | 0.797           | "         | 1.51        |                | 82.3                                      | 50-150      |          |     |           |      |
| 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)  | 1.37   | 0.797           | "         | 1.53        |                | 89.6                                      | 50-150      |          |     |           |      |
| Perfluoro-n-butanoic acid (PFBA)                    | 1.31   | 0.797           | "         | 1.59        |                | 82.0                                      | 50-150      |          |     |           |      |
| Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)    | 0.704  | 0.398           | "         | 0.709       |                | 99.2                                      | 50-150      |          |     |           |      |
| Perfluoro-3,6-dioxahexanoic acid (NFDHA)            | 0.702  | 0.398           | "         | 0.797       |                | 88.1                                      | 50-150      |          |     |           |      |
| Perfluoro-4-oxapentanoic acid (PFMPA)               | 0.775  | 0.398           | "         | 0.797       |                | 97.3                                      | 50-150      |          |     |           |      |
| Perfluoro-5-oxahexanoic acid (PFMBA)                | 0.708  | 0.398           | "         | 0.797       |                | 88.9                                      | 50-150      |          |     |           |      |
| Perfluoro-1-pentanesulfonate (PFPeS)                | 0.312  | 0.199           | "         | 0.375       |                | 83.4                                      | 50-150      |          |     |           |      |
| 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)  | 1.43   | 0.797           | "         | 1.49        |                | 95.4                                      | 50-150      |          |     |           |      |
| HFPO-DA (Gen-X)                                     | 0.696  | 0.797           | "         | 0.797       |                | 87.4                                      | 50-150      |          |     |           |      |
| 11CL-PF3OUdS                                        | 0.653  | 0.797           | "         | 0.753       |                | 86.7                                      | 50-150      |          |     |           |      |
| 9CL-PF3ONS                                          | 0.765  | 0.797           | "         | 0.745       |                | 103                                       | 50-150      |          |     |           |      |
| ADONA                                               | 0.822  | 0.797           | "         | 0.753       |                | 109                                       | 50-150      |          |     |           |      |
| Perfluorododecanesulfonic acid (PFDoS)              | ND     | 0.199           | "         | 0.386       |                |                                           | 50-150      | Low Bias |     |           |      |
| Perfluoro-1-nonanesulfonic acid (PFNS)              | 0.381  | 0.199           | "         | 0.382       |                | 99.7                                      | 50-150      |          |     |           |      |
| 3-Perfluoropropyl propanoic acid (FPrPA)            | ND     | 0.996           | "         | 1.59        |                |                                           | 50-150      | Low Bias |     |           |      |
| 3-Perfluoropentyl propanoic acid (FPePA)            | 2.97   | 4.98            | "         | 7.97        |                | 37.3                                      | 50-150      | Low Bias |     |           |      |
| 3-Perfluoroheptyl propanoic acid (FHpPA)            | 3.43   | 4.98            | "         | 7.97        |                | 43.1                                      | 50-150      | Low Bias |     |           |      |
| N-MeFOSE                                            | 3.50   | 1.99            | "         | 3.98        |                | 87.8                                      | 50-150      |          |     |           |      |
| N-MeFOSA                                            | 0.551  | 0.199           | "         | 0.398       |                | 138                                       | 50-150      |          |     |           |      |
| N-EtFOSE                                            | 3.51   | 1.99            | "         | 3.98        |                | 88.1                                      | 50-150      |          |     |           |      |
| N-EtFOSA                                            | ND     | 0.199           | "         | 0.398       |                |                                           | 50-150      | Low Bias |     |           |      |
| Surrogate: M3PFBS                                   | 2.38   |                 | "         | 2.32        |                | 102                                       | 25-150      |          |     |           |      |
| Surrogate: M5PFHxA                                  | 2.73   |                 | "         | 2.49        |                | 110                                       | 25-150      |          |     |           |      |
| Surrogate: M4PFHpA                                  | 2.42   |                 | "         | 2.49        |                | 97.0                                      | 25-150      |          |     |           |      |
| Surrogate: M3PFHxS                                  | 2.47   |                 | "         | 2.36        |                | 105                                       | 25-150      |          |     |           |      |
| Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA) | 2.27   |                 | "         | 2.49        |                | 91.2                                      | 25-150      |          |     |           |      |
| Surrogate: M6PFDA                                   | 1.20   |                 | "         | 1.25        |                | 96.6                                      | 25-150      |          |     |           |      |
| Surrogate: M7PFUdA                                  | 1.08   |                 | "         | 1.25        |                | 86.6                                      | 25-150      |          |     |           |      |



## PFAS Target compounds by LC/MS-MS - Quality Control Data

## York Analytical Laboratories, Inc. - Stratford

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

## Batch BA30361 - EPA 1633 Prep

## LCS (BA30361-BS2)

Prepared: 01/10/2023 Analyzed: 01/16/2023

|                                                           |       |  |           |      |  |      |        |  |  |  |  |
|-----------------------------------------------------------|-------|--|-----------|------|--|------|--------|--|--|--|--|
| Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA) | 0.854 |  | ug/kg wet | 1.25 |  | 68.6 | 25-150 |  |  |  |  |
| Surrogate: M2PFTeDA                                       | 0.680 |  | "         | 1.25 |  | 54.6 | 10-150 |  |  |  |  |
| Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)        | 11.4  |  | "         | 9.96 |  | 114  | 25-150 |  |  |  |  |
| Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS) | 2.54  |  | "         | 2.39 |  | 106  | 25-150 |  |  |  |  |
| Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)     | 5.94  |  | "         | 4.98 |  | 119  | 25-150 |  |  |  |  |
| Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)   | 0.481 |  | "         | 2.49 |  | 19.3 | 10-150 |  |  |  |  |
| Surrogate: d3-N-MeFOSAA                                   | 4.06  |  | "         | 4.98 |  | 81.5 | 25-150 |  |  |  |  |
| Surrogate: d5-N-EtFOSAA                                   | 4.27  |  | "         | 4.98 |  | 85.8 | 25-150 |  |  |  |  |
| Surrogate: M2-6:2 FTS                                     | 4.17  |  | "         | 4.74 |  | 88.0 | 25-200 |  |  |  |  |
| Surrogate: M2-8:2 FTS                                     | 3.72  |  | "         | 4.78 |  | 77.7 | 25-200 |  |  |  |  |
| Surrogate: M9PFNA                                         | 1.26  |  | "         | 1.25 |  | 101  | 25-150 |  |  |  |  |
| Surrogate: M2-4:2 FTS                                     | 3.08  |  | "         | 4.67 |  | 65.9 | 25-150 |  |  |  |  |
| Surrogate: d-N-MeFOSA                                     | 0.400 |  | "         | 2.49 |  | 16.1 | 25-150 |  |  |  |  |
| Surrogate: d-N-EtFOSA                                     | 1.32  |  | "         | 2.49 |  | 53.0 | 25-150 |  |  |  |  |
| Surrogate: M3HFPO-DA                                      | 9.82  |  | "         | 9.96 |  | 98.6 | 25-150 |  |  |  |  |
| Surrogate: d9-N-EtFOSE                                    | 5.56  |  | "         | 24.9 |  | 22.3 | 25-150 |  |  |  |  |
| Surrogate: d7-N-MeFOSE                                    | 5.37  |  | "         | 24.9 |  | 21.6 | 25-150 |  |  |  |  |

## Duplicate (BA30361-DUP1)

\*Source sample: 23A0372-02 (Duplicate)

Prepared: 01/10/2023 Analyzed: 01/16/2023

|                                                    |       |       |           |  |       |  |  |  |      |    |  |
|----------------------------------------------------|-------|-------|-----------|--|-------|--|--|--|------|----|--|
| Perfluorobutanesulfonic acid (PFBS)                | ND    | 0.212 | ug/kg dry |  | ND    |  |  |  |      | 30 |  |
| Perfluorohexanoic acid (PFHxA)                     | ND    | 0.212 | "         |  | ND    |  |  |  |      | 30 |  |
| Perfluoroheptanoic acid (PFHpA)                    | ND    | 0.212 | "         |  | ND    |  |  |  |      | 30 |  |
| Perfluorohexanesulfonic acid (PFHxS)               | ND    | 0.212 | "         |  | ND    |  |  |  |      | 30 |  |
| Perfluorooctanoic acid (PFOA)                      | ND    | 0.212 | "         |  | ND    |  |  |  |      | 30 |  |
| Perfluorooctanesulfonic acid (PFOS)                | 0.180 | 0.212 | "         |  | 0.185 |  |  |  | 2.99 | 30 |  |
| Perfluorononanoic acid (PFNA)                      | ND    | 0.212 | "         |  | ND    |  |  |  |      | 30 |  |
| Perfluorodecanoic acid (PFDA)                      | ND    | 0.212 | "         |  | ND    |  |  |  |      | 30 |  |
| Perfluoroundecanoic acid (PFUnA)                   | ND    | 0.212 | "         |  | ND    |  |  |  |      | 30 |  |
| Perfluorododecanoic acid (PFDoA)                   | ND    | 0.212 | "         |  | ND    |  |  |  |      | 30 |  |
| Perfluorotridecanoic acid (PFTriDA)                | ND    | 0.212 | "         |  | ND    |  |  |  |      | 30 |  |
| Perfluorotetradecanoic acid (PFTA)                 | ND    | 0.212 | "         |  | ND    |  |  |  |      | 30 |  |
| N-MeFOSAA                                          | ND    | 0.212 | "         |  | ND    |  |  |  |      | 30 |  |
| N-EtFOSAA                                          | ND    | 0.212 | "         |  | ND    |  |  |  |      | 30 |  |
| Perfluoropentanoic acid (PFPeA)                    | ND    | 0.424 | "         |  | ND    |  |  |  |      | 30 |  |
| Perfluoro-1-octanesulfonamide (FOSA)               | ND    | 0.212 | "         |  | ND    |  |  |  |      | 30 |  |
| Perfluoro-1-heptanesulfonic acid (PFHpS)           | ND    | 0.212 | "         |  | ND    |  |  |  |      | 30 |  |
| Perfluoro-1-decanesulfonic acid (PFDS)             | ND    | 0.212 | "         |  | ND    |  |  |  |      | 30 |  |
| 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS) | ND    | 0.849 | "         |  | ND    |  |  |  |      | 30 |  |
| 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS) | ND    | 0.849 | "         |  | ND    |  |  |  |      | 30 |  |
| Perfluoro-n-butanoic acid (PFBA)                   | ND    | 0.849 | "         |  | ND    |  |  |  |      | 30 |  |
| Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)   | ND    | 0.424 | "         |  | ND    |  |  |  |      | 30 |  |
| Perfluoro-3,6-dioxahheptanoic acid (NFDHA)         | ND    | 0.424 | "         |  | ND    |  |  |  |      | 30 |  |
| Perfluoro-4-oxapentanoic acid (PFMPA)              | ND    | 0.424 | "         |  | ND    |  |  |  |      | 30 |  |
| Perfluoro-5-oxahexanoic acid (PFMBA)               | ND    | 0.424 | "         |  | ND    |  |  |  |      | 30 |  |
| Perfluoro-1-pentanesulfonate (PFPeS)               | ND    | 0.212 | "         |  | ND    |  |  |  |      | 30 |  |



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

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

Batch BA30361 - EPA 1633 Prep

|                                                           |       |                                        |           |      |    |      |                                           |  |  |    |  |
|-----------------------------------------------------------|-------|----------------------------------------|-----------|------|----|------|-------------------------------------------|--|--|----|--|
| <b>Duplicate (BA30361-DUP1)</b>                           |       | *Source sample: 23A0372-02 (Duplicate) |           |      |    |      | Prepared: 01/10/2023 Analyzed: 01/16/2023 |  |  |    |  |
| 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)        | ND    | 0.849                                  | ug/kg dry |      | ND |      |                                           |  |  | 30 |  |
| HFPO-DA (Gen-X)                                           | ND    | 0.849                                  | "         |      | ND |      |                                           |  |  | 30 |  |
| 11CL-PF3OUdS                                              | ND    | 0.849                                  | "         |      | ND |      |                                           |  |  | 30 |  |
| 9CL-PF3ONS                                                | ND    | 0.849                                  | "         |      | ND |      |                                           |  |  | 30 |  |
| ADONA                                                     | ND    | 0.849                                  | "         |      | ND |      |                                           |  |  | 30 |  |
| Perfluorododecanesulfonic acid (PFDoS)                    | ND    | 0.212                                  | "         |      | ND |      |                                           |  |  | 30 |  |
| Perfluoro-1-nonanesulfonic acid (PFNS)                    | ND    | 0.212                                  | "         |      | ND |      |                                           |  |  | 30 |  |
| 3-Perfluoropropyl propanoic acid (FPrPA)                  | ND    | 1.06                                   | "         |      | ND |      |                                           |  |  | 30 |  |
| 3-Perfluoropentyl propanoic acid (FPePA)                  | ND    | 5.31                                   | "         |      | ND |      |                                           |  |  | 30 |  |
| 3-Perfluoroheptyl propanoic acid (FHpPA)                  | ND    | 5.31                                   | "         |      | ND |      |                                           |  |  | 30 |  |
| N-MeFOSE                                                  | ND    | 2.12                                   | "         |      | ND |      |                                           |  |  | 30 |  |
| N-MeFOSA                                                  | ND    | 0.212                                  | "         |      | ND |      |                                           |  |  | 30 |  |
| N-EtFOSE                                                  | ND    | 2.12                                   | "         |      | ND |      |                                           |  |  | 30 |  |
| N-EtFOSA                                                  | ND    | 0.212                                  | "         |      | ND |      |                                           |  |  | 30 |  |
| Surrogate: M3PFBS                                         | 2.39  |                                        | "         | 2.47 |    | 96.8 | 25-150                                    |  |  |    |  |
| Surrogate: M5PFHxA                                        | 2.27  |                                        | "         | 2.65 |    | 85.6 | 25-150                                    |  |  |    |  |
| Surrogate: M4PFHpA                                        | 2.17  |                                        | "         | 2.65 |    | 81.7 | 25-150                                    |  |  |    |  |
| Surrogate: M3PFHxS                                        | 2.75  |                                        | "         | 2.51 |    | 109  | 25-150                                    |  |  |    |  |
| Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)       | 2.14  |                                        | "         | 2.65 |    | 80.6 | 25-150                                    |  |  |    |  |
| Surrogate: M6PFDA                                         | 0.903 |                                        | "         | 1.33 |    | 68.1 | 25-150                                    |  |  |    |  |
| Surrogate: M7PFUdA                                        | 0.658 |                                        | "         | 1.33 |    | 49.6 | 25-150                                    |  |  |    |  |
| Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA) | 0.500 |                                        | "         | 1.33 |    | 37.7 | 25-150                                    |  |  |    |  |
| Surrogate: M2PFTeDA                                       | 0.284 |                                        | "         | 1.33 |    | 21.4 | 10-150                                    |  |  |    |  |
| Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)        | 9.29  |                                        | "         | 10.6 |    | 87.6 | 25-150                                    |  |  |    |  |
| Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS) | 2.52  |                                        | "         | 2.54 |    | 99.0 | 25-150                                    |  |  |    |  |
| Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)     | 4.78  |                                        | "         | 5.31 |    | 90.1 | 25-150                                    |  |  |    |  |
| Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)   | 0.205 |                                        | "         | 2.65 |    | 7.73 | 10-150                                    |  |  |    |  |
| Surrogate: d3-N-MeFOSAA                                   | 1.29  |                                        | "         | 5.31 |    | 24.3 | 25-150                                    |  |  |    |  |
| Surrogate: d5-N-EtFOSAA                                   | 1.33  |                                        | "         | 5.31 |    | 25.2 | 25-150                                    |  |  |    |  |
| Surrogate: M2-6:2 FTS                                     | 2.82  |                                        | "         | 5.05 |    | 55.8 | 25-200                                    |  |  |    |  |
| Surrogate: M2-8:2 FTS                                     | 2.15  |                                        | "         | 5.09 |    | 42.3 | 25-200                                    |  |  |    |  |
| Surrogate: M9PFNA                                         | 1.14  |                                        | "         | 1.33 |    | 86.1 | 25-150                                    |  |  |    |  |
| Surrogate: M2-4:2 FTS                                     | 2.32  |                                        | "         | 4.98 |    | 46.6 | 25-150                                    |  |  |    |  |
| Surrogate: d-N-MeFOSA                                     | 0.299 |                                        | "         | 2.65 |    | 11.3 | 25-150                                    |  |  |    |  |
| Surrogate: d-N-EtFOSA                                     | 1.56  |                                        | "         | 2.65 |    | 58.9 | 25-150                                    |  |  |    |  |
| Surrogate: M3HFPO-DA                                      | 9.83  |                                        | "         | 10.6 |    | 92.6 | 25-150                                    |  |  |    |  |
| Surrogate: d9-N-EtFOSE                                    | 4.92  |                                        | "         | 26.5 |    | 18.5 | 25-150                                    |  |  |    |  |
| Surrogate: d7-N-MeFOSE                                    | 5.07  |                                        | "         | 26.5 |    | 19.1 | 25-150                                    |  |  |    |  |



## PFAS Target compounds by LC/MS-MS - Quality Control Data

### York Analytical Laboratories, Inc. - Stratford

| Analyte                                             | Result | Reporting Limit | Units | Spike Level | Source* Result | %REC | %REC Limits | Flag | RPD | RPD Limit | Flag |
|-----------------------------------------------------|--------|-----------------|-------|-------------|----------------|------|-------------|------|-----|-----------|------|
| <b>Batch BA30396 - EPA 1633 Prep</b>                |        |                 |       |             |                |      |             |      |     |           |      |
| <b>Blank (BA30396-BLK1)</b>                         |        |                 |       |             |                |      |             |      |     |           |      |
| Prepared: 01/10/2023 Analyzed: 01/13/2023           |        |                 |       |             |                |      |             |      |     |           |      |
| Perfluorobutanesulfonic acid (PFBS)                 | ND     | 2.00            | ng/L  |             |                |      |             |      |     |           |      |
| Perfluorohexanoic acid (PFHxA)                      | ND     | 2.00            | "     |             |                |      |             |      |     |           |      |
| Perfluoroheptanoic acid (PFHpA)                     | ND     | 2.00            | "     |             |                |      |             |      |     |           |      |
| Perfluorohexanesulfonic acid (PFHxS)                | ND     | 2.00            | "     |             |                |      |             |      |     |           |      |
| Perfluorooctanoic acid (PFOA)                       | ND     | 2.00            | "     |             |                |      |             |      |     |           |      |
| Perfluorooctanesulfonic acid (PFOS)                 | ND     | 2.00            | "     |             |                |      |             |      |     |           |      |
| Perfluorononanoic acid (PFNA)                       | ND     | 2.00            | "     |             |                |      |             |      |     |           |      |
| Perfluorodecanoic acid (PFDA)                       | ND     | 2.00            | "     |             |                |      |             |      |     |           |      |
| Perfluoroundecanoic acid (PFUnA)                    | ND     | 2.00            | "     |             |                |      |             |      |     |           |      |
| Perfluorododecanoic acid (PFDoA)                    | ND     | 2.00            | "     |             |                |      |             |      |     |           |      |
| Perfluorotridecanoic acid (PFTriDA)                 | ND     | 2.00            | "     |             |                |      |             |      |     |           |      |
| Perfluorotetradecanoic acid (PFTA)                  | ND     | 2.00            | "     |             |                |      |             |      |     |           |      |
| N-MeFOSAA                                           | ND     | 2.00            | "     |             |                |      |             |      |     |           |      |
| N-EtFOSAA                                           | ND     | 2.00            | "     |             |                |      |             |      |     |           |      |
| Perfluoropentanoic acid (PFPeA)                     | ND     | 4.00            | "     |             |                |      |             |      |     |           |      |
| Perfluoro-1-octanesulfonamide (FOSA)                | ND     | 2.00            | "     |             |                |      |             |      |     |           |      |
| Perfluoro-1-heptanesulfonic acid (PFHpS)            | ND     | 2.00            | "     |             |                |      |             |      |     |           |      |
| Perfluoro-1-decanesulfonic acid (PFDS)              | ND     | 2.00            | "     |             |                |      |             |      |     |           |      |
| 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)  | ND     | 8.00            | "     |             |                |      |             |      |     |           |      |
| 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)  | ND     | 8.00            | "     |             |                |      |             |      |     |           |      |
| Perfluoro-n-butanoic acid (PFBA)                    | ND     | 8.00            | "     |             |                |      |             |      |     |           |      |
| Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)    | ND     | 4.00            | "     |             |                |      |             |      |     |           |      |
| Perfluoro-3,6-dioxaheptanoic acid (NFDHA)           | ND     | 4.00            | "     |             |                |      |             |      |     |           |      |
| Perfluoro-4-oxapentanoic acid (PFMPA)               | ND     | 4.00            | "     |             |                |      |             |      |     |           |      |
| Perfluoro-5-oxahexanoic acid (PFMBA)                | ND     | 4.00            | "     |             |                |      |             |      |     |           |      |
| Perfluoro-1-pentanesulfonate (PFPeS)                | ND     | 2.00            | "     |             |                |      |             |      |     |           |      |
| 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)  | ND     | 8.00            | "     |             |                |      |             |      |     |           |      |
| HFPO-DA (Gen-X)                                     | ND     | 8.00            | "     |             |                |      |             |      |     |           |      |
| 11CL-PF3OUdS                                        | ND     | 8.00            | "     |             |                |      |             |      |     |           |      |
| 9CL-PF3ONS                                          | ND     | 8.00            | "     |             |                |      |             |      |     |           |      |
| ADONA                                               | ND     | 8.00            | "     |             |                |      |             |      |     |           |      |
| Perfluorododecanesulfonic acid (PFDoS)              | ND     | 2.00            | "     |             |                |      |             |      |     |           |      |
| Perfluoro-1-nonanesulfonic acid (PFNS)              | ND     | 2.00            | "     |             |                |      |             |      |     |           |      |
| 3-Perfluoropropyl propanoic acid (FPrPA)            | ND     | 5.00            | "     |             |                |      |             |      |     |           |      |
| 3-Perfluoropentyl propanoic acid (FPePA)            | ND     | 25.0            | "     |             |                |      |             |      |     |           |      |
| 3-Perfluoroheptyl propanoic acid (FHpPA)            | ND     | 25.0            | "     |             |                |      |             |      |     |           |      |
| N-MeFOSE                                            | ND     | 20.0            | "     |             |                |      |             |      |     |           |      |
| N-MeFOSA                                            | ND     | 2.00            | "     |             |                |      |             |      |     |           |      |
| N-EtFOSE                                            | ND     | 20.0            | "     |             |                |      |             |      |     |           |      |
| N-EtFOSA                                            | 0.975  | 0.200           | "     |             |                |      |             |      |     |           |      |
| Surrogate: M3PFBS                                   | 37.3   |                 | "     | 46.6        |                | 80.1 | 25-150      |      |     |           |      |
| Surrogate: M5PFHxA                                  | 39.4   |                 | "     | 50.0        |                | 78.8 | 25-150      |      |     |           |      |
| Surrogate: M4PFHpA                                  | 34.5   |                 | "     | 50.0        |                | 69.0 | 25-150      |      |     |           |      |
| Surrogate: M3PFHxS                                  | 49.2   |                 | "     | 47.4        |                | 104  | 25-150      |      |     |           |      |
| Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA) | 33.4   |                 | "     | 50.0        |                | 66.8 | 25-150      |      |     |           |      |
| Surrogate: M6PFDA                                   | 21.0   |                 | "     | 25.0        |                | 84.2 | 25-150      |      |     |           |      |
| Surrogate: M7PFUdA                                  | 19.1   |                 | "     | 25.0        |                | 76.6 | 25-150      |      |     |           |      |



## PFAS Target compounds by LC/MS-MS - Quality Control Data

### York Analytical Laboratories, Inc. - Stratford

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

#### Batch BA30396 - EPA 1633 Prep

##### Blank (BA30396-BLK1)

Prepared: 01/10/2023 Analyzed: 01/13/2023

|                                                           |      |  |      |      |  |      |        |  |  |  |  |
|-----------------------------------------------------------|------|--|------|------|--|------|--------|--|--|--|--|
| Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA) | 15.9 |  | ng/L | 25.0 |  | 63.8 | 25-150 |  |  |  |  |
| Surrogate: M2PFTeDA                                       | 14.6 |  | "    | 25.0 |  | 58.6 | 10-150 |  |  |  |  |
| Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)        | 167  |  | "    | 200  |  | 83.5 | 25-150 |  |  |  |  |
| Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS) | 51.2 |  | "    | 47.9 |  | 107  | 25-150 |  |  |  |  |
| Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)     | 78.8 |  | "    | 100  |  | 78.8 | 25-150 |  |  |  |  |
| Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)   | 5.65 |  | "    | 50.0 |  | 11.3 | 10-150 |  |  |  |  |
| Surrogate: d3-N-MeFOSAA                                   | 83.2 |  | "    | 100  |  | 83.3 | 25-150 |  |  |  |  |
| Surrogate: d5-N-EtFOSAA                                   | 88.2 |  | "    | 100  |  | 88.2 | 25-150 |  |  |  |  |
| Surrogate: M2-6:2 FTS                                     | 69.8 |  | "    | 95.1 |  | 73.4 | 25-200 |  |  |  |  |
| Surrogate: M2-8:2 FTS                                     | 65.1 |  | "    | 96.0 |  | 67.8 | 25-200 |  |  |  |  |
| Surrogate: M9PFNA                                         | 21.2 |  | "    | 25.0 |  | 84.9 | 25-150 |  |  |  |  |
| Surrogate: M2-4:2 FTS                                     | 64.2 |  | "    | 93.8 |  | 68.4 | 25-150 |  |  |  |  |
| Surrogate: d-N-MeFOSA                                     | 11.5 |  | "    | 50.0 |  | 23.1 | 25-150 |  |  |  |  |
| Surrogate: d-N-EtFOSA                                     | 34.3 |  | "    | 50.0 |  | 68.6 | 25-150 |  |  |  |  |
| Surrogate: M3HFPO-DA                                      | 141  |  | "    | 200  |  | 70.6 | 25-150 |  |  |  |  |
| Surrogate: d9-N-EtFOSE                                    | 121  |  | "    | 500  |  | 24.3 | 25-150 |  |  |  |  |
| Surrogate: d7-N-MeFOSE                                    | 113  |  | "    | 500  |  | 22.7 | 25-150 |  |  |  |  |

##### LCS (BA30396-BS1)

Prepared: 01/10/2023 Analyzed: 01/13/2023

|                                                    |      |      |      |      |  |      |        |  |  |  |  |
|----------------------------------------------------|------|------|------|------|--|------|--------|--|--|--|--|
| Perfluorobutanesulfonic acid (PFBS)                | 66.6 | 2.00 | ng/L | 70.8 |  | 94.0 | 50-150 |  |  |  |  |
| Perfluorohexanoic acid (PFHxA)                     | 74.8 | 2.00 | "    | 80.0 |  | 93.5 | 50-150 |  |  |  |  |
| Perfluoroheptanoic acid (PFHpA)                    | 82.3 | 2.00 | "    | 80.0 |  | 103  | 50-150 |  |  |  |  |
| Perfluorohexanesulfonic acid (PFHxS)               | 82.6 | 2.00 | "    | 73.2 |  | 113  | 50-150 |  |  |  |  |
| Perfluorooctanoic acid (PFOA)                      | 69.9 | 2.00 | "    | 80.0 |  | 87.3 | 50-150 |  |  |  |  |
| Perfluorooctanesulfonic acid (PFOS)                | 69.2 | 2.00 | "    | 74.4 |  | 93.1 | 50-150 |  |  |  |  |
| Perfluorononanoic acid (PFNA)                      | 66.9 | 2.00 | "    | 80.0 |  | 83.6 | 50-150 |  |  |  |  |
| Perfluorodecanoic acid (PFDA)                      | 72.3 | 2.00 | "    | 80.0 |  | 90.4 | 50-150 |  |  |  |  |
| Perfluoroundecanoic acid (PFUnA)                   | 73.3 | 2.00 | "    | 80.0 |  | 91.6 | 50-150 |  |  |  |  |
| Perfluorododecanoic acid (PFDoA)                   | 77.6 | 2.00 | "    | 80.0 |  | 97.0 | 50-150 |  |  |  |  |
| Perfluorotridecanoic acid (PFTriDA)                | 91.7 | 2.00 | "    | 80.0 |  | 115  | 50-150 |  |  |  |  |
| Perfluorotetradecanoic acid (PFTA)                 | 73.2 | 2.00 | "    | 80.0 |  | 91.6 | 50-150 |  |  |  |  |
| N-MeFOSAA                                          | 73.9 | 2.00 | "    | 80.0 |  | 92.3 | 50-150 |  |  |  |  |
| N-EtFOSAA                                          | 71.6 | 2.00 | "    | 80.0 |  | 89.6 | 50-150 |  |  |  |  |
| Perfluoropentanoic acid (PFPeA)                    | 148  | 4.00 | "    | 160  |  | 92.3 | 50-150 |  |  |  |  |
| Perfluoro-1-octanesulfonamide (FOSA)               | 75.1 | 2.00 | "    | 80.0 |  | 93.9 | 50-150 |  |  |  |  |
| Perfluoro-1-heptanesulfonic acid (PFHpS)           | 73.9 | 2.00 | "    | 76.4 |  | 96.8 | 50-150 |  |  |  |  |
| Perfluoro-1-decanesulfonic acid (PFDS)             | 68.3 | 2.00 | "    | 77.2 |  | 88.6 | 50-150 |  |  |  |  |
| 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS) | 293  | 8.00 | "    | 304  |  | 96.3 | 50-150 |  |  |  |  |
| 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS) | 279  | 8.00 | "    | 307  |  | 90.8 | 50-150 |  |  |  |  |
| Perfluoro-n-butanoic acid (PFBA)                   | 288  | 8.00 | "    | 320  |  | 90.0 | 50-150 |  |  |  |  |
| Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)     | 148  | 4.00 | "    | 142  |  | 104  | 50-150 |  |  |  |  |
| Perfluoro-3,6-dioxahexanoic acid (NFDHA)           | 108  | 4.00 | "    | 160  |  | 67.8 | 50-150 |  |  |  |  |
| Perfluoro-4-oxapentanoic acid (PFMPA)              | 156  | 4.00 | "    | 160  |  | 97.7 | 50-150 |  |  |  |  |
| Perfluoro-5-oxahexanoic acid (PFMBA)               | 152  | 4.00 | "    | 160  |  | 94.9 | 50-150 |  |  |  |  |
| Perfluoro-1-pentanesulfonate (PFPeS)               | 63.8 | 2.00 | "    | 75.2 |  | 84.8 | 50-150 |  |  |  |  |





# PFAS Target compounds by LC/MS-MS - Quality Control Data

## York Analytical Laboratories, Inc. - Stratford

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

### Batch BA30396 - EPA 1633 Prep

#### LCS (BA30396-BS1)

Prepared: 01/10/2023 Analyzed: 01/13/2023

|                                                           |      |       |      |      |  |      |        |  |  |  |  |
|-----------------------------------------------------------|------|-------|------|------|--|------|--------|--|--|--|--|
| 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)        | 269  | 8.00  | ng/L | 300  |  | 89.8 | 50-150 |  |  |  |  |
| HFPO-DA (Gen-X)                                           | 155  | 8.00  | "    | 160  |  | 96.6 | 50-150 |  |  |  |  |
| 11CL-PF3OUdS                                              | 185  | 8.00  | "    | 151  |  | 122  | 50-150 |  |  |  |  |
| 9CL-PF3ONS                                                | 206  | 8.00  | "    | 150  |  | 138  | 50-150 |  |  |  |  |
| ADONA                                                     | 180  | 8.00  | "    | 151  |  | 119  | 50-150 |  |  |  |  |
| Perfluorododecanesulfonic acid (PFDoS)                    | 63.0 | 2.00  | "    | 77.6 |  | 81.2 | 50-150 |  |  |  |  |
| Perfluoro-1-nonanesulfonic acid (PFNS)                    | 79.6 | 2.00  | "    | 76.8 |  | 104  | 50-150 |  |  |  |  |
| 3-Perfluoropropyl propanoic acid (FPrPA)                  | 200  | 5.00  | "    | 320  |  | 62.6 | 50-150 |  |  |  |  |
| 3-Perfluoropentyl propanoic acid (FPePA)                  | 1330 | 25.0  | "    | 1600 |  | 83.3 | 50-150 |  |  |  |  |
| 3-Perfluoroheptyl propanoic acid (FHpPA)                  | 1430 | 25.0  | "    | 1600 |  | 89.6 | 50-150 |  |  |  |  |
| N-MeFOSE                                                  | 717  | 20.0  | "    | 800  |  | 89.7 | 50-150 |  |  |  |  |
| N-MeFOSA                                                  | 101  | 2.00  | "    | 80.0 |  | 127  | 50-150 |  |  |  |  |
| N-EtFOSE                                                  | 793  | 20.0  | "    | 800  |  | 99.2 | 50-150 |  |  |  |  |
| N-EtFOSA                                                  | 48.0 | 0.200 | "    | 80.0 |  | 60.0 | 50-150 |  |  |  |  |
| Surrogate: M3PFBS                                         | 38.7 |       | "    | 46.6 |  | 83.0 | 25-150 |  |  |  |  |
| Surrogate: M5PFHxA                                        | 43.1 |       | "    | 50.0 |  | 86.2 | 25-150 |  |  |  |  |
| Surrogate: M4PFHpA                                        | 38.2 |       | "    | 50.0 |  | 76.3 | 25-150 |  |  |  |  |
| Surrogate: M3PFHxS                                        | 48.4 |       | "    | 47.4 |  | 102  | 25-150 |  |  |  |  |
| Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)       | 42.5 |       | "    | 50.0 |  | 85.0 | 25-150 |  |  |  |  |
| Surrogate: M6PFDA                                         | 20.8 |       | "    | 25.0 |  | 83.2 | 25-150 |  |  |  |  |
| Surrogate: M7PFUdA                                        | 19.5 |       | "    | 25.0 |  | 78.2 | 25-150 |  |  |  |  |
| Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA) | 17.1 |       | "    | 25.0 |  | 68.4 | 25-150 |  |  |  |  |
| Surrogate: M2PFTeDA                                       | 14.4 |       | "    | 25.0 |  | 57.5 | 10-150 |  |  |  |  |
| Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)        | 187  |       | "    | 200  |  | 93.7 | 25-150 |  |  |  |  |
| Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS) | 44.6 |       | "    | 47.9 |  | 93.1 | 25-150 |  |  |  |  |
| Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)     | 86.4 |       | "    | 100  |  | 86.4 | 25-150 |  |  |  |  |
| Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)   | 6.69 |       | "    | 50.0 |  | 13.4 | 10-150 |  |  |  |  |
| Surrogate: d3-N-MeFOSAA                                   | 72.7 |       | "    | 100  |  | 72.8 | 25-150 |  |  |  |  |
| Surrogate: d5-N-EtFOSAA                                   | 71.1 |       | "    | 100  |  | 71.1 | 25-150 |  |  |  |  |
| Surrogate: M2-6:2 FTS                                     | 76.8 |       | "    | 95.1 |  | 80.7 | 25-200 |  |  |  |  |
| Surrogate: M2-8:2 FTS                                     | 77.2 |       | "    | 96.0 |  | 80.5 | 25-200 |  |  |  |  |
| Surrogate: M9PFNA                                         | 23.4 |       | "    | 25.0 |  | 93.4 | 25-150 |  |  |  |  |
| Surrogate: M2-4:2 FTS                                     | 70.5 |       | "    | 93.8 |  | 75.2 | 25-150 |  |  |  |  |
| Surrogate: d-N-MeFOSA                                     | 9.49 |       | "    | 50.0 |  | 19.0 | 25-150 |  |  |  |  |
| Surrogate: d-N-EtFOSA                                     | 30.6 |       | "    | 50.0 |  | 61.2 | 25-150 |  |  |  |  |
| Surrogate: M3HFPO-DA                                      | 140  |       | "    | 200  |  | 70.3 | 25-150 |  |  |  |  |
| Surrogate: d9-N-EtFOSE                                    | 112  |       | "    | 500  |  | 22.4 | 25-150 |  |  |  |  |
| Surrogate: d7-N-MeFOSE                                    | 120  |       | "    | 500  |  | 23.9 | 25-150 |  |  |  |  |



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

| Analyte                                             | Result | Reporting Limit | Units | Spike Level | Source* Result | %REC                                      | %REC Limits | Flag     | RPD | RPD Limit | Flag |
|-----------------------------------------------------|--------|-----------------|-------|-------------|----------------|-------------------------------------------|-------------|----------|-----|-----------|------|
| Batch BA30396 - EPA 1633 Prep                       |        |                 |       |             |                |                                           |             |          |     |           |      |
| LCS (BA30396-BS2)                                   |        |                 |       |             |                | Prepared: 01/10/2023 Analyzed: 01/13/2023 |             |          |     |           |      |
| Perfluorobutanesulfonic acid (PFBS)                 | 7.09   | 2.00            | ng/L  | 7.08        |                | 100                                       | 50-150      |          |     |           |      |
| Perfluorohexanoic acid (PFHxA)                      | 7.52   | 2.00            | "     | 8.00        |                | 94.0                                      | 50-150      |          |     |           |      |
| Perfluoroheptanoic acid (PFHpA)                     | 7.43   | 2.00            | "     | 8.00        |                | 92.9                                      | 50-150      |          |     |           |      |
| Perfluorohexanesulfonic acid (PFHxS)                | 9.07   | 2.00            | "     | 7.32        |                | 124                                       | 50-150      |          |     |           |      |
| Perfluorooctanoic acid (PFOA)                       | 7.71   | 2.00            | "     | 8.00        |                | 96.4                                      | 50-150      |          |     |           |      |
| Perfluorooctanesulfonic acid (PFOS)                 | 6.93   | 2.00            | "     | 7.44        |                | 93.2                                      | 50-150      |          |     |           |      |
| Perfluorononanoic acid (PFNA)                       | 6.32   | 2.00            | "     | 8.00        |                | 79.0                                      | 50-150      |          |     |           |      |
| Perfluorodecanoic acid (PFDA)                       | 7.51   | 2.00            | "     | 8.00        |                | 93.9                                      | 50-150      |          |     |           |      |
| Perfluoroundecanoic acid (PFUnA)                    | 6.76   | 2.00            | "     | 8.00        |                | 84.5                                      | 50-150      |          |     |           |      |
| Perfluorododecanoic acid (PFDoA)                    | 7.17   | 2.00            | "     | 8.00        |                | 89.7                                      | 50-150      |          |     |           |      |
| Perfluorotridecanoic acid (PFTriDA)                 | 7.77   | 2.00            | "     | 8.00        |                | 97.1                                      | 50-150      |          |     |           |      |
| Perfluorotetradecanoic acid (PFTA)                  | 7.77   | 2.00            | "     | 8.00        |                | 97.1                                      | 50-150      |          |     |           |      |
| N-MeFOSAA                                           | 7.70   | 2.00            | "     | 8.00        |                | 96.3                                      | 50-150      |          |     |           |      |
| N-EtFOSAA                                           | 7.81   | 2.00            | "     | 8.00        |                | 97.6                                      | 50-150      |          |     |           |      |
| Perfluoropentanoic acid (PFPeA)                     | 14.5   | 4.00            | "     | 16.0        |                | 90.4                                      | 50-150      |          |     |           |      |
| Perfluoro-1-octanesulfonamide (FOSA)                | 7.11   | 2.00            | "     | 8.00        |                | 88.9                                      | 50-150      |          |     |           |      |
| Perfluoro-1-heptanesulfonic acid (PFHpS)            | 7.81   | 2.00            | "     | 7.64        |                | 102                                       | 50-150      |          |     |           |      |
| Perfluoro-1-decanesulfonic acid (PFDS)              | 7.88   | 2.00            | "     | 7.72        |                | 102                                       | 50-150      |          |     |           |      |
| 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)  | 28.8   | 8.00            | "     | 30.4        |                | 94.7                                      | 50-150      |          |     |           |      |
| 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)  | 32.0   | 8.00            | "     | 30.7        |                | 104                                       | 50-150      |          |     |           |      |
| Perfluoro-n-butanoic acid (PFBA)                    | 27.8   | 8.00            | "     | 32.0        |                | 86.7                                      | 50-150      |          |     |           |      |
| Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)    | 15.4   | 4.00            | "     | 14.2        |                | 108                                       | 50-150      |          |     |           |      |
| Perfluoro-3,6-dioxahexanoic acid (NFDHA)            | 8.53   | 4.00            | "     | 16.0        |                | 53.3                                      | 50-150      |          |     |           |      |
| Perfluoro-4-oxapentanoic acid (PFMPA)               | 15.8   | 4.00            | "     | 16.0        |                | 98.6                                      | 50-150      |          |     |           |      |
| Perfluoro-5-oxahexanoic acid (PFMBA)                | 14.6   | 4.00            | "     | 16.0        |                | 91.4                                      | 50-150      |          |     |           |      |
| Perfluoro-1-pentanesulfonate (PFPeS)                | 6.52   | 2.00            | "     | 7.52        |                | 86.7                                      | 50-150      |          |     |           |      |
| 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)  | 29.2   | 8.00            | "     | 30.0        |                | 97.5                                      | 50-150      |          |     |           |      |
| HFPO-DA (Gen-X)                                     | 12.7   | 8.00            | "     | 16.0        |                | 79.5                                      | 50-150      |          |     |           |      |
| 11CL-PF3OUdS                                        | 17.3   | 8.00            | "     | 15.1        |                | 114                                       | 50-150      |          |     |           |      |
| 9CL-PF3ONS                                          | 18.9   | 8.00            | "     | 15.0        |                | 126                                       | 50-150      |          |     |           |      |
| ADONA                                               | 16.4   | 8.00            | "     | 15.1        |                | 108                                       | 50-150      |          |     |           |      |
| Perfluorododecanesulfonic acid (PFDoS)              | 6.24   | 2.00            | "     | 7.76        |                | 80.5                                      | 50-150      |          |     |           |      |
| Perfluoro-1-nonanesulfonic acid (PFNS)              | 8.88   | 2.00            | "     | 7.68        |                | 116                                       | 50-150      |          |     |           |      |
| 3-Perfluoropropyl propanoic acid (FPrPA)            | 7.10   | 5.00            | "     | 32.0        |                | 22.2                                      | 50-150      | Low Bias |     |           |      |
| 3-Perfluoropentyl propanoic acid (FPePA)            | 51.0   | 25.0            | "     | 160         |                | 31.9                                      | 50-150      | Low Bias |     |           |      |
| 3-Perfluoroheptyl propanoic acid (FHpPA)            | 63.3   | 25.0            | "     | 160         |                | 39.5                                      | 50-150      | Low Bias |     |           |      |
| N-MeFOSE                                            | 67.0   | 20.0            | "     | 80.0        |                | 83.7                                      | 50-150      |          |     |           |      |
| N-MeFOSA                                            | 8.68   | 2.00            | "     | 8.00        |                | 109                                       | 50-150      |          |     |           |      |
| N-EtFOSE                                            | 71.6   | 20.0            | "     | 80.0        |                | 89.4                                      | 50-150      |          |     |           |      |
| N-EtFOSA                                            | 5.88   | 0.200           | "     | 8.00        |                | 73.6                                      | 50-150      |          |     |           |      |
| Surrogate: M3PFBS                                   | 33.7   |                 | "     | 46.6        |                | 72.4                                      | 25-150      |          |     |           |      |
| Surrogate: M5PFHxA                                  | 39.6   |                 | "     | 50.0        |                | 79.2                                      | 25-150      |          |     |           |      |
| Surrogate: M4PFHpA                                  | 36.5   |                 | "     | 50.0        |                | 73.1                                      | 25-150      |          |     |           |      |
| Surrogate: M3PFHxS                                  | 39.9   |                 | "     | 47.4        |                | 84.1                                      | 25-150      |          |     |           |      |
| Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA) | 34.8   |                 | "     | 50.0        |                | 69.6                                      | 25-150      |          |     |           |      |
| Surrogate: M6PFDA                                   | 19.6   |                 | "     | 25.0        |                | 78.3                                      | 25-150      |          |     |           |      |
| Surrogate: M7PFUdA                                  | 21.4   |                 | "     | 25.0        |                | 85.4                                      | 25-150      |          |     |           |      |



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

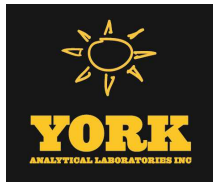
| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source*<br>Result | %REC | %REC<br>Limits | Flag | RPD | RPD<br>Limit | Flag |
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|

Batch BA30396 - EPA 1633 Prep

LCS (BA30396-BS2)

Prepared: 01/10/2023 Analyzed: 01/13/2023

|                                                           |      |  |      |      |  |      |        |  |  |  |  |
|-----------------------------------------------------------|------|--|------|------|--|------|--------|--|--|--|--|
| Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA) | 17.6 |  | ng/L | 25.0 |  | 70.4 | 25-150 |  |  |  |  |
| Surrogate: M2PFTeDA                                       | 15.0 |  | "    | 25.0 |  | 59.9 | 10-150 |  |  |  |  |
| Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)        | 165  |  | "    | 200  |  | 82.4 | 25-150 |  |  |  |  |
| Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS) | 42.1 |  | "    | 47.9 |  | 88.0 | 25-150 |  |  |  |  |
| Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)     | 80.0 |  | "    | 100  |  | 80.0 | 25-150 |  |  |  |  |
| Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)   | 6.36 |  | "    | 50.0 |  | 12.7 | 10-150 |  |  |  |  |
| Surrogate: d3-N-MeFOSAA                                   | 74.5 |  | "    | 100  |  | 74.5 | 25-150 |  |  |  |  |
| Surrogate: d5-N-EtFOSAA                                   | 72.1 |  | "    | 100  |  | 72.1 | 25-150 |  |  |  |  |
| Surrogate: M2-6:2 FTS                                     | 65.4 |  | "    | 95.1 |  | 68.8 | 25-200 |  |  |  |  |
| Surrogate: M2-8:2 FTS                                     | 61.9 |  | "    | 96.0 |  | 64.5 | 25-200 |  |  |  |  |
| Surrogate: M9PFNA                                         | 22.0 |  | "    | 25.0 |  | 87.9 | 25-150 |  |  |  |  |
| Surrogate: M2-4:2 FTS                                     | 57.6 |  | "    | 93.8 |  | 61.4 | 25-150 |  |  |  |  |
| Surrogate: d-N-MeFOSA                                     | 9.50 |  | "    | 50.0 |  | 19.0 | 25-150 |  |  |  |  |
| Surrogate: d-N-EtFOSA                                     | 26.1 |  | "    | 50.0 |  | 52.2 | 25-150 |  |  |  |  |
| Surrogate: M3HFPO-DA                                      | 144  |  | "    | 200  |  | 72.1 | 25-150 |  |  |  |  |
| Surrogate: d9-N-EtFOSE                                    | 148  |  | "    | 500  |  | 29.5 | 25-150 |  |  |  |  |
| Surrogate: d7-N-MeFOSE                                    | 124  |  | "    | 500  |  | 24.8 | 25-150 |  |  |  |  |



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source*<br>Result | %REC | %REC<br>Limits | Flag | RPD | RPD<br>Limit | Flag |
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|

Batch BA30936 - % Solids Prep

|                          |      |                                       |   |  |      |  |  |                                 |      |    |  |
|--------------------------|------|---------------------------------------|---|--|------|--|--|---------------------------------|------|----|--|
| Duplicate (BA30936-DUP1) |      | *Source sample: 23A0465-01 (B-8W 2-4) |   |  |      |  |  | Prepared & Analyzed: 01/18/2023 |      |    |  |
| % Solids                 | 87.7 | 0.100                                 | % |  | 86.3 |  |  |                                 | 1.61 | 20 |  |





## Sample and Data Qualifiers Relating to This Work Order

B Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

### Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

## Field Chain-of-Custody Record

YORK Project No.

23A0465

Page 1 of 1

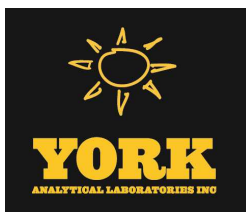
**NOTE:** YORK's Standard Terms & Conditions are listed on the back side of this document. This document serves as your written authorization for YORK to proceed with the analyses requested below. Your signature binds you to YORK's Standard Terms & Conditions.

| YOUR INFORMATION |                     | Report To: |              | Invoice To: |              | YOUR Project Number |  | Turn-Around Time   |                                     |
|------------------|---------------------|------------|--------------|-------------|--------------|---------------------|--|--------------------|-------------------------------------|
| Company:         |                     | Company:   |              | Company:    |              |                     |  | RUSH - Next Day    |                                     |
| Address:         |                     | Address:   |              | Address:    |              |                     |  | RUSH - Two Day     |                                     |
| Phone:           |                     | Phone:     |              | Phone:      |              |                     |  | RUSH - Three Day   |                                     |
| Contact:         |                     | Contact:   |              | Contact:    |              |                     |  | RUSH - Four Day    |                                     |
|                  |                     |            |              |             |              |                     |  | Standard (5-7 Day) | <input checked="" type="checkbox"/> |
| Company:         | G-BIS               | Company:   | SAME         | Company:    | SAME         | 21003--0004         |  | RUSH - Next Day    |                                     |
| Address:         | 22184 RD, Suite 101 | Address:   |              | Address:    |              |                     |  | RUSH - Two Day     |                                     |
| Phone:           | POULOUKEERIE NY     | Phone:     |              | Phone:      |              |                     |  | RUSH - Three Day   |                                     |
| Contact:         | 452 1658            | Contact:   |              | Contact:    |              | 21003--0004         |  | RUSH - Four Day    |                                     |
|                  | RICHARD HOOPER      |            | ERICK SCAZAR |             | BRENDA WELLS |                     |  | Standard (5-7 Day) | <input checked="" type="checkbox"/> |

[illegible][illegible]

Comments:

| <u>Comments:</u>               |          |                      |                                    |          |          | Preservation: (check all that apply)        |                                   |           | Special Instruction   |  |
|--------------------------------|----------|----------------------|------------------------------------|----------|----------|---------------------------------------------|-----------------------------------|-----------|-----------------------|--|
| HCl ___                        | MeOH ___ | HNO <sub>3</sub> ___ | H <sub>2</sub> SO <sub>4</sub> ___ | NaOH ___ | ZnAc ___ | Field Filtered _____<br>Lab to Filter _____ |                                   |           |                       |  |
| Ascorbic Acid ___ Other: _____ |          |                      |                                    |          |          | Date/Time                                   | Samples Relinquished by / Company | Date/Time |                       |  |
| along amblyox 7.20C on ice     |          |                      |                                    |          |          | 11/02/23 16:04                              |                                   |           |                       |  |
| received by / Company          |          |                      |                                    |          |          | Date/Time                                   | Samples Relinquished by / Company | Date/Time |                       |  |
| relinquished by / Company      |          |                      |                                    |          |          | Date/Time                                   | Samples Received in LAB by        | Date/Time | Temp. Received at Lab |  |



# Technical Report

prepared for:

**Gallagher Bassett - Poughkeepsie, NY**

22 IBM Road, Suite 101  
Poughkeepsie NY, 12601  
**Attention: Erick Salazar**

Report Date: 01/17/2023

**Client Project ID: 21003-0004**

York Project (SDG) No.: 23A0464

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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

STRATFORD, CT 06615  
(203) 325-1371



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

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



Report Date: 01/17/2023  
Client Project ID: 21003-0004  
York Project (SDG) No.: 23A0464

**Gallagher Bassett - Poughkeepsie, NY**  
22 IBM Road, Suite 101  
Poughkeepsie NY, 12601  
Attention: Erick Salazar

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## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on January 10, 2023 and listed below. The project was identified as your project: **21003-0004**.

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

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

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

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

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

| <u>York Sample ID</u> | <u>Client Sample ID</u> | <u>Matrix</u> | <u>Date Collected</u> | <u>Date Received</u> |
|-----------------------|-------------------------|---------------|-----------------------|----------------------|
| 23A0464-01            | SV-1                    | Soil Vapor    | 01/10/2023            | 01/10/2023           |
| 23A0464-02            | SV-2                    | Soil Vapor    | 01/10/2023            | 01/10/2023           |
| 23A0464-03            | SV-3                    | Soil Vapor    | 01/10/2023            | 01/10/2023           |
| 23A0464-04            | SV-4                    | Soil Vapor    | 01/10/2023            | 01/10/2023           |
| 23A0464-05            | SV-5                    | Soil Vapor    | 01/10/2023            | 01/10/2023           |
| 23A0464-06            | SV-6                    | Soil Vapor    | 01/10/2023            | 01/10/2023           |
| 23A0464-07            | SV-7                    | Soil Vapor    | 01/10/2023            | 01/10/2023           |

## **General Notes for York Project (SDG) No.: 23A0464**

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:** 01/17/2023

Cassie L. Mosher  
Laboratory Manager





## Sample Information

**Client Sample ID:** SV-1

**York Sample ID:** 23A0464-01

**York Project (SDG) No.**

**Client Project ID**

**Matrix**

**Collection Date/Time**

**Date Received**

23A0464

21003-0004

Soil Vapor

January 10, 2023 12:51 pm

01/10/2023

### Volatile Organics, EPA TO15 Full List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

| CAS No.  | Parameter                                         | Result     | Flag | Units             | Reported to LOQ | Dilution | Reference Method                                        | Date/Time Prepared | Date/Time Analyzed | Analyst |
|----------|---------------------------------------------------|------------|------|-------------------|-----------------|----------|---------------------------------------------------------|--------------------|--------------------|---------|
| 630-20-6 | * 1,1,1,2-Tetrachloroethane                       | ND         |      | ug/m <sup>3</sup> | 2.2             | 3.202    | EPA TO-15<br>Certifications:                            | 01/11/2023 12:00   | 01/12/2023 14:17   | VH      |
| 71-55-6  | 1,1,1-Trichloroethane                             | ND         |      | ug/m <sup>3</sup> | 1.7             | 3.202    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 14:17   | VH      |
| 79-34-5  | 1,1,2,2-Tetrachloroethane                         | ND         |      | ug/m <sup>3</sup> | 2.2             | 3.202    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 14:17   | VH      |
| 76-13-1  | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND         |      | ug/m <sup>3</sup> | 2.5             | 3.202    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 14:17   | VH      |
| 79-00-5  | 1,1,2-Trichloroethane                             | ND         |      | ug/m <sup>3</sup> | 1.7             | 3.202    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 14:17   | VH      |
| 75-34-3  | 1,1-Dichloroethane                                | ND         |      | ug/m <sup>3</sup> | 1.3             | 3.202    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 14:17   | VH      |
| 75-35-4  | 1,1-Dichloroethylene                              | ND         |      | ug/m <sup>3</sup> | 0.32            | 3.202    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 14:17   | VH      |
| 120-82-1 | 1,2,4-Trichlorobenzene                            | ND         |      | ug/m <sup>3</sup> | 4.8             | 3.202    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 14:17   | VH      |
| 95-63-6  | 1,2,4-Trimethylbenzene                            | ND         |      | ug/m <sup>3</sup> | 1.6             | 3.202    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 14:17   | VH      |
| 106-93-4 | 1,2-Dibromoethane                                 | ND         |      | ug/m <sup>3</sup> | 2.5             | 3.202    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 14:17   | VH      |
| 95-50-1  | 1,2-Dichlorobenzene                               | ND         |      | ug/m <sup>3</sup> | 1.9             | 3.202    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 14:17   | VH      |
| 107-06-2 | 1,2-Dichloroethane                                | ND         |      | ug/m <sup>3</sup> | 1.3             | 3.202    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 14:17   | VH      |
| 78-87-5  | 1,2-Dichloropropane                               | ND         |      | ug/m <sup>3</sup> | 1.5             | 3.202    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 14:17   | VH      |
| 76-14-2  | 1,2-Dichlorotetrafluoroethane                     | ND         |      | ug/m <sup>3</sup> | 2.2             | 3.202    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 14:17   | VH      |
| 108-67-8 | 1,3,5-Trimethylbenzene                            | ND         |      | ug/m <sup>3</sup> | 1.6             | 3.202    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 14:17   | VH      |
| 106-99-0 | 1,3-Butadiene                                     | ND         |      | ug/m <sup>3</sup> | 2.1             | 3.202    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 14:17   | VH      |
| 541-73-1 | 1,3-Dichlorobenzene                               | ND         |      | ug/m <sup>3</sup> | 1.9             | 3.202    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 14:17   | VH      |
| 142-28-9 | * 1,3-Dichloropropane                             | ND         |      | ug/m <sup>3</sup> | 1.5             | 3.202    | EPA TO-15<br>Certifications:                            | 01/11/2023 12:00   | 01/12/2023 14:17   | VH      |
| 106-46-7 | 1,4-Dichlorobenzene                               | ND         |      | ug/m <sup>3</sup> | 1.9             | 3.202    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 14:17   | VH      |
| 123-91-1 | 1,4-Dioxane                                       | ND         |      | ug/m <sup>3</sup> | 2.3             | 3.202    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 14:17   | VH      |
| 78-93-3  | <b>2-Butanone</b>                                 | <b>8.5</b> |      | ug/m <sup>3</sup> | 0.94            | 3.202    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 14:17   | VH      |
| 591-78-6 | * 2-Hexanone                                      | ND         |      | ug/m <sup>3</sup> | 2.6             | 3.202    | EPA TO-15<br>Certifications:                            | 01/11/2023 12:00   | 01/12/2023 14:17   | VH      |



## Sample Information

**Client Sample ID:** SV-1

**York Sample ID:** 23A0464-01

York Project (SDG) No.  
23A0464

Client Project ID  
21003-0004

Matrix  
Soil Vapor

Collection Date/Time  
January 10, 2023 12:51 pm

Date Received  
01/10/2023

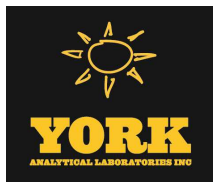
### Volatile Organics, EPA TO15 Full List

### 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/m <sup>3</sup> | 5.0             | 3.202    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 14:17   | VH      |
| 108-10-1   | 4-Methyl-2-pentanone           | ND         |                      | ug/m <sup>3</sup> | 1.3             | 3.202    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 14:17   | VH      |
| 67-64-1    | <b>Acetone</b>                 | <b>320</b> |                      | ug/m <sup>3</sup> | 1.5             | 3.202    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 14:17   | VH      |
| 107-13-1   | Acrylonitrile                  | ND         |                      | ug/m <sup>3</sup> | 0.69            | 3.202    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 14:17   | VH      |
| 71-43-2    | Benzene                        | ND         |                      | ug/m <sup>3</sup> | 1.0             | 3.202    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 14:17   | VH      |
| 100-44-7   | Benzyl chloride                | ND         |                      | ug/m <sup>3</sup> | 3.3             | 3.202    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 14:17   | VH      |
| 75-27-4    | Bromodichloromethane           | ND         |                      | ug/m <sup>3</sup> | 2.1             | 3.202    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 14:17   | VH      |
| 75-25-2    | Bromoform                      | ND         |                      | ug/m <sup>3</sup> | 3.3             | 3.202    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 14:17   | VH      |
| 74-83-9    | Bromomethane                   | ND         |                      | ug/m <sup>3</sup> | 1.2             | 3.202    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 14:17   | VH      |
| 75-15-0    | Carbon disulfide               | ND         |                      | ug/m <sup>3</sup> | 1.0             | 3.202    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 14:17   | VH      |
| 56-23-5    | Carbon tetrachloride           | ND         |                      | ug/m <sup>3</sup> | 0.50            | 3.202    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 14:17   | VH      |
| 108-90-7   | Chlorobenzene                  | ND         |                      | ug/m <sup>3</sup> | 1.5             | 3.202    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 14:17   | VH      |
| 75-00-3    | Chloroethane                   | ND         |                      | ug/m <sup>3</sup> | 0.84            | 3.202    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 14:17   | VH      |
| 67-66-3    | Chloroform                     | ND         |                      | ug/m <sup>3</sup> | 1.6             | 3.202    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 14:17   | VH      |
| 74-87-3    | <b>Chloromethane</b>           | <b>1.8</b> |                      | ug/m <sup>3</sup> | 0.66            | 3.202    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 14:17   | VH      |
| 156-59-2   | cis-1,2-Dichloroethylene       | ND         |                      | ug/m <sup>3</sup> | 0.32            | 3.202    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 14:17   | VH      |
| 10061-01-5 | cis-1,3-Dichloropropylene      | ND         |                      | ug/m <sup>3</sup> | 1.5             | 3.202    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 14:17   | VH      |
| 110-82-7   | Cyclohexane                    | ND         |                      | ug/m <sup>3</sup> | 1.1             | 3.202    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 14:17   | VH      |
| 124-48-1   | Dibromochloromethane           | ND         |                      | ug/m <sup>3</sup> | 2.7             | 3.202    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 14:17   | VH      |
| 75-71-8    | <b>Dichlorodifluoromethane</b> | <b>2.5</b> | TO-LCS<br>-H         | ug/m <sup>3</sup> | 1.6             | 3.202    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 14:17   | VH      |
| 141-78-6   | * Ethyl acetate                | ND         |                      | ug/m <sup>3</sup> | 2.3             | 3.202    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 14:17   | VH      |
| 100-41-4   | <b>Ethyl Benzene</b>           | <b>5.8</b> |                      | ug/m <sup>3</sup> | 1.4             | 3.202    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 14:17   | VH      |
| 87-68-3    | Hexachlorobutadiene            | ND         | CAL-E,<br>TO-CC<br>V | ug/m <sup>3</sup> | 3.4             | 3.202    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 14:17   | VH      |



## Sample Information

**Client Sample ID:** SV-1

**York Sample ID:** 23A0464-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0464

21003-0004

Soil Vapor

January 10, 2023 12:51 pm

01/10/2023

### 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<br>LOQ | Dilution | Reference Method                                        | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-------------|-----------------------------------|--------|------|-------------------|--------------------|----------|---------------------------------------------------------|-----------------------|-----------------------|---------|
| 67-63-0     | Isopropanol                       | 4.3    |      | ug/m <sup>3</sup> | 1.6                | 3.202    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 14:17      | VH      |
| 80-62-6     | Methyl Methacrylate               | ND     |      | ug/m <sup>3</sup> | 1.3                | 3.202    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 14:17      | VH      |
| 1634-04-4   | Methyl tert-butyl ether (MTBE)    | ND     |      | ug/m <sup>3</sup> | 1.2                | 3.202    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 14:17      | VH      |
| 75-09-2     | Methylene chloride                | ND     |      | ug/m <sup>3</sup> | 2.2                | 3.202    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 14:17      | VH      |
| 142-82-5    | n-Heptane                         | ND     |      | ug/m <sup>3</sup> | 1.3                | 3.202    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 14:17      | VH      |
| 110-54-3    | n-Hexane                          | ND     |      | ug/m <sup>3</sup> | 1.1                | 3.202    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 14:17      | VH      |
| 95-47-6     | o-Xylene                          | 2.8    |      | ug/m <sup>3</sup> | 1.4                | 3.202    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 14:17      | VH      |
| 179601-23-1 | p- & m- Xylenes                   | 11     |      | ug/m <sup>3</sup> | 2.8                | 3.202    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 14:17      | VH      |
| 622-96-8    | * p-Ethyltoluene                  | ND     |      | ug/m <sup>3</sup> | 1.6                | 3.202    | EPA TO-15<br>Certifications:                            | 01/11/2023 12:00      | 01/12/2023 14:17      | VH      |
| 115-07-1    | * Propylene                       | ND     |      | ug/m <sup>3</sup> | 0.55               | 3.202    | EPA TO-15<br>Certifications:                            | 01/11/2023 12:00      | 01/12/2023 14:17      | VH      |
| 100-42-5    | Styrene                           | ND     |      | ug/m <sup>3</sup> | 1.4                | 3.202    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 14:17      | VH      |
| 127-18-4    | Tetrachloroethylene               | ND     |      | ug/m <sup>3</sup> | 2.2                | 3.202    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 14:17      | VH      |
| 109-99-9    | * Tetrahydrofuran                 | ND     |      | ug/m <sup>3</sup> | 1.9                | 3.202    | EPA TO-15<br>Certifications:                            | 01/11/2023 12:00      | 01/12/2023 14:17      | VH      |
| 108-88-3    | Toluene                           | 1.6    |      | ug/m <sup>3</sup> | 1.2                | 3.202    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 14:17      | VH      |
| 156-60-5    | trans-1,2-Dichloroethylene        | ND     |      | ug/m <sup>3</sup> | 1.3                | 3.202    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 14:17      | VH      |
| 10061-02-6  | trans-1,3-Dichloropropylene       | ND     |      | ug/m <sup>3</sup> | 1.5                | 3.202    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 14:17      | VH      |
| 79-01-6     | Trichloroethylene                 | ND     |      | ug/m <sup>3</sup> | 0.43               | 3.202    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 14:17      | VH      |
| 75-69-4     | Trichlorofluoromethane (Freon 11) | ND     |      | ug/m <sup>3</sup> | 1.8                | 3.202    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 14:17      | VH      |
| 108-05-4    | Vinyl acetate                     | ND     |      | ug/m <sup>3</sup> | 1.1                | 3.202    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 14:17      | VH      |
| 593-60-2    | Vinyl bromide                     | ND     |      | ug/m <sup>3</sup> | 1.4                | 3.202    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 14:17      | VH      |
| 75-01-4     | Vinyl Chloride                    | ND     |      | ug/m <sup>3</sup> | 0.41               | 3.202    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 14:17      | VH      |



## Sample Information

**Client Sample ID:** SV-2

**York Sample ID:** 23A0464-02

York Project (SDG) No.  
23A0464

Client Project ID  
21003-0004

Matrix  
Soil Vapor

Collection Date/Time  
January 10, 2023 12:52 pm

Date Received  
01/10/2023

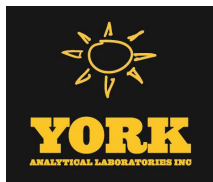
### Volatile Organics, EPA TO15 Full List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

| CAS No.  | Parameter                                         | Result    | Flag | Units             | Reported to LOQ | Dilution | Reference Method                                        | Date/Time Prepared | Date/Time Analyzed | Analyst |
|----------|---------------------------------------------------|-----------|------|-------------------|-----------------|----------|---------------------------------------------------------|--------------------|--------------------|---------|
| 630-20-6 | * 1,1,1,2-Tetrachloroethane                       | ND        |      | ug/m <sup>3</sup> | 3.9             | 5.626    | EPA TO-15<br>Certifications:                            | 01/11/2023 12:00   | 01/12/2023 13:27   | VH      |
| 71-55-6  | 1,1,1-Trichloroethane                             | ND        |      | ug/m <sup>3</sup> | 3.1             | 5.626    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 13:27   | VH      |
| 79-34-5  | 1,1,2,2-Tetrachloroethane                         | ND        |      | ug/m <sup>3</sup> | 3.9             | 5.626    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 13:27   | VH      |
| 76-13-1  | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND        |      | ug/m <sup>3</sup> | 4.3             | 5.626    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 13:27   | VH      |
| 79-00-5  | 1,1,2-Trichloroethane                             | ND        |      | ug/m <sup>3</sup> | 3.1             | 5.626    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 13:27   | VH      |
| 75-34-3  | 1,1-Dichloroethane                                | ND        |      | ug/m <sup>3</sup> | 2.3             | 5.626    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 13:27   | VH      |
| 75-35-4  | 1,1-Dichloroethylene                              | ND        |      | ug/m <sup>3</sup> | 0.56            | 5.626    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 13:27   | VH      |
| 120-82-1 | 1,2,4-Trichlorobenzene                            | ND        |      | ug/m <sup>3</sup> | 8.4             | 5.626    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 13:27   | VH      |
| 95-63-6  | 1,2,4-Trimethylbenzene                            | ND        |      | ug/m <sup>3</sup> | 2.8             | 5.626    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 13:27   | VH      |
| 106-93-4 | 1,2-Dibromoethane                                 | ND        |      | ug/m <sup>3</sup> | 4.3             | 5.626    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 13:27   | VH      |
| 95-50-1  | 1,2-Dichlorobenzene                               | ND        |      | ug/m <sup>3</sup> | 3.4             | 5.626    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 13:27   | VH      |
| 107-06-2 | 1,2-Dichloroethane                                | ND        |      | ug/m <sup>3</sup> | 2.3             | 5.626    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 13:27   | VH      |
| 78-87-5  | 1,2-Dichloropropane                               | ND        |      | ug/m <sup>3</sup> | 2.6             | 5.626    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 13:27   | VH      |
| 76-14-2  | 1,2-Dichlorotetrafluoroethane                     | ND        |      | ug/m <sup>3</sup> | 3.9             | 5.626    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 13:27   | VH      |
| 108-67-8 | 1,3,5-Trimethylbenzene                            | ND        |      | ug/m <sup>3</sup> | 2.8             | 5.626    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 13:27   | VH      |
| 106-99-0 | 1,3-Butadiene                                     | ND        |      | ug/m <sup>3</sup> | 3.7             | 5.626    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 13:27   | VH      |
| 541-73-1 | 1,3-Dichlorobenzene                               | ND        |      | ug/m <sup>3</sup> | 3.4             | 5.626    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 13:27   | VH      |
| 142-28-9 | * 1,3-Dichloropropane                             | ND        |      | ug/m <sup>3</sup> | 2.6             | 5.626    | EPA TO-15<br>Certifications:                            | 01/11/2023 12:00   | 01/12/2023 13:27   | VH      |
| 106-46-7 | 1,4-Dichlorobenzene                               | ND        |      | ug/m <sup>3</sup> | 3.4             | 5.626    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 13:27   | VH      |
| 123-91-1 | 1,4-Dioxane                                       | ND        |      | ug/m <sup>3</sup> | 4.1             | 5.626    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 13:27   | VH      |
| 78-93-3  | <b>2-Butanone</b>                                 | <b>15</b> |      | ug/m <sup>3</sup> | 1.7             | 5.626    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 13:27   | VH      |
| 591-78-6 | * 2-Hexanone                                      | ND        |      | ug/m <sup>3</sup> | 4.6             | 5.626    | EPA TO-15<br>Certifications:                            | 01/11/2023 12:00   | 01/12/2023 13:27   | VH      |
| 107-05-1 | 3-Chloropropene                                   | ND        |      | ug/m <sup>3</sup> | 8.8             | 5.626    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 13:27   | VH      |



## Sample Information

**Client Sample ID:** SV-2

**York Sample ID:** 23A0464-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0464

21003-0004

Soil Vapor

January 10, 2023 12:52 pm

01/10/2023

### 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<br>LOQ | Dilution | Reference Method                                        | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|---------------------------|--------|----------------------|-------------------|--------------------|----------|---------------------------------------------------------|-----------------------|-----------------------|---------|
| 108-10-1   | 4-Methyl-2-pentanone      | 5.1    |                      | ug/m <sup>3</sup> | 2.3                | 5.626    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 13:27      | VH      |
| 67-64-1    | Acetone                   | 410    |                      | ug/m <sup>3</sup> | 2.7                | 5.626    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 13:27      | VH      |
| 107-13-1   | Acrylonitrile             | ND     |                      | ug/m <sup>3</sup> | 1.2                | 5.626    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 13:27      | VH      |
| 71-43-2    | Benzene                   | ND     |                      | ug/m <sup>3</sup> | 1.8                | 5.626    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 13:27      | VH      |
| 100-44-7   | Benzyl chloride           | ND     |                      | ug/m <sup>3</sup> | 5.8                | 5.626    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 13:27      | VH      |
| 75-27-4    | Bromodichloromethane      | ND     |                      | ug/m <sup>3</sup> | 3.8                | 5.626    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 13:27      | VH      |
| 75-25-2    | Bromoform                 | ND     |                      | ug/m <sup>3</sup> | 5.8                | 5.626    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 13:27      | VH      |
| 74-83-9    | Bromomethane              | ND     |                      | ug/m <sup>3</sup> | 2.2                | 5.626    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 13:27      | VH      |
| 75-15-0    | Carbon disulfide          | ND     |                      | ug/m <sup>3</sup> | 1.8                | 5.626    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 13:27      | VH      |
| 56-23-5    | Carbon tetrachloride      | ND     |                      | ug/m <sup>3</sup> | 0.88               | 5.626    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 13:27      | VH      |
| 108-90-7   | Chlorobenzene             | ND     |                      | ug/m <sup>3</sup> | 2.6                | 5.626    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 13:27      | VH      |
| 75-00-3    | Chloroethane              | ND     |                      | ug/m <sup>3</sup> | 1.5                | 5.626    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 13:27      | VH      |
| 67-66-3    | Chloroform                | ND     |                      | ug/m <sup>3</sup> | 2.7                | 5.626    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 13:27      | VH      |
| 74-87-3    | Chloromethane             | ND     |                      | ug/m <sup>3</sup> | 1.2                | 5.626    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 13:27      | VH      |
| 156-59-2   | cis-1,2-Dichloroethylene  | ND     |                      | ug/m <sup>3</sup> | 0.56               | 5.626    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 13:27      | VH      |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND     |                      | ug/m <sup>3</sup> | 2.6                | 5.626    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 13:27      | VH      |
| 110-82-7   | Cyclohexane               | ND     |                      | ug/m <sup>3</sup> | 1.9                | 5.626    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 13:27      | VH      |
| 124-48-1   | Dibromochloromethane      | ND     |                      | ug/m <sup>3</sup> | 4.8                | 5.626    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 13:27      | VH      |
| 75-71-8    | Dichlorodifluoromethane   | ND     |                      | ug/m <sup>3</sup> | 2.8                | 5.626    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 13:27      | VH      |
| 141-78-6   | * Ethyl acetate           | ND     |                      | ug/m <sup>3</sup> | 4.1                | 5.626    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 13:27      | VH      |
| 100-41-4   | Ethyl Benzene             | 3.4    |                      | ug/m <sup>3</sup> | 2.4                | 5.626    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 13:27      | VH      |
| 87-68-3    | Hexachlorobutadiene       | ND     | CAL-E,<br>TO-CC<br>V | ug/m <sup>3</sup> | 6.0                | 5.626    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 13:27      | VH      |
| 67-63-0    | Isopropanol               | 4.3    |                      | ug/m <sup>3</sup> | 2.8                | 5.626    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 13:27      | VH      |



## Sample Information

**Client Sample ID:** SV-2

**York Sample ID:** 23A0464-02

York Project (SDG) No.  
23A0464

Client Project ID  
21003-0004

Matrix  
Soil Vapor

Collection Date/Time  
January 10, 2023 12:52 pm

Date Received  
01/10/2023

### 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<br>LOQ | Dilution | Reference Method                                        | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-------------|-----------------------------------|------------|------|-------------------|--------------------|----------|---------------------------------------------------------|-----------------------|-----------------------|---------|
| 80-62-6     | Methyl Methacrylate               | ND         |      | ug/m <sup>3</sup> | 2.3                | 5.626    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 13:27      | VH      |
| 1634-04-4   | Methyl tert-butyl ether (MTBE)    | ND         |      | ug/m <sup>3</sup> | 2.0                | 5.626    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 13:27      | VH      |
| 75-09-2     | Methylene chloride                | ND         |      | ug/m <sup>3</sup> | 3.9                | 5.626    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 13:27      | VH      |
| 142-82-5    | <b>n-Heptane</b>                  | <b>2.8</b> |      | ug/m <sup>3</sup> | 2.3                | 5.626    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 13:27      | VH      |
| 110-54-3    | n-Hexane                          | ND         |      | ug/m <sup>3</sup> | 2.0                | 5.626    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 13:27      | VH      |
| 95-47-6     | <b>o-Xylene</b>                   | <b>2.4</b> |      | ug/m <sup>3</sup> | 2.4                | 5.626    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 13:27      | VH      |
| 179601-23-1 | <b>p- &amp; m- Xylenes</b>        | <b>7.3</b> |      | ug/m <sup>3</sup> | 4.9                | 5.626    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 13:27      | VH      |
| 622-96-8    | * p-Ethyltoluene                  | ND         |      | ug/m <sup>3</sup> | 2.8                | 5.626    | EPA TO-15<br>Certifications:                            | 01/11/2023 12:00      | 01/12/2023 13:27      | VH      |
| 115-07-1    | * Propylene                       | <b>7.2</b> |      | ug/m <sup>3</sup> | 0.97               | 5.626    | EPA TO-15<br>Certifications:                            | 01/11/2023 12:00      | 01/12/2023 13:27      | VH      |
| 100-42-5    | Styrene                           | ND         |      | ug/m <sup>3</sup> | 2.4                | 5.626    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 13:27      | VH      |
| 127-18-4    | <b>Tetrachloroethylene</b>        | <b>6.1</b> |      | ug/m <sup>3</sup> | 3.8                | 5.626    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 13:27      | VH      |
| 109-99-9    | * Tetrahydrofuran                 | ND         |      | ug/m <sup>3</sup> | 3.3                | 5.626    | EPA TO-15<br>Certifications:                            | 01/11/2023 12:00      | 01/12/2023 13:27      | VH      |
| 108-88-3    | <b>Toluene</b>                    | <b>7.8</b> |      | ug/m <sup>3</sup> | 2.1                | 5.626    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 13:27      | VH      |
| 156-60-5    | trans-1,2-Dichloroethylene        | ND         |      | ug/m <sup>3</sup> | 2.2                | 5.626    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 13:27      | VH      |
| 10061-02-6  | trans-1,3-Dichloropropylene       | ND         |      | ug/m <sup>3</sup> | 2.6                | 5.626    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 13:27      | VH      |
| 79-01-6     | Trichloroethylene                 | ND         |      | ug/m <sup>3</sup> | 0.76               | 5.626    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 13:27      | VH      |
| 75-69-4     | Trichlorofluoromethane (Freon 11) | ND         |      | ug/m <sup>3</sup> | 3.2                | 5.626    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 13:27      | VH      |
| 108-05-4    | Vinyl acetate                     | ND         |      | ug/m <sup>3</sup> | 2.0                | 5.626    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 13:27      | VH      |
| 593-60-2    | Vinyl bromide                     | ND         |      | ug/m <sup>3</sup> | 2.5                | 5.626    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 13:27      | VH      |
| 75-01-4     | Vinyl Chloride                    | ND         |      | ug/m <sup>3</sup> | 0.72               | 5.626    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 13:27      | VH      |





## Sample Information

**Client Sample ID:** SV-3

**York Sample ID:** 23A0464-03

York Project (SDG) No.  
23A0464

Client Project ID  
21003-0004

Matrix  
Soil Vapor

Collection Date/Time  
January 10, 2023 12:53 pm

Date Received  
01/10/2023

### Volatile Organics, EPA TO15 Full List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

| CAS No.  | Parameter                                         | Result    | Flag | Units             | Reported to LOQ | Dilution | Reference Method                                        | Date/Time Prepared | Date/Time Analyzed | Analyst |
|----------|---------------------------------------------------|-----------|------|-------------------|-----------------|----------|---------------------------------------------------------|--------------------|--------------------|---------|
| 630-20-6 | * 1,1,1,2-Tetrachloroethane                       | ND        |      | ug/m <sup>3</sup> | 3.3             | 4.791    | EPA TO-15<br>Certifications:                            | 01/11/2023 12:00   | 01/11/2023 22:56   | VH      |
| 71-55-6  | 1,1,1-Trichloroethane                             | ND        |      | ug/m <sup>3</sup> | 2.6             | 4.791    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 22:56   | VH      |
| 79-34-5  | 1,1,2,2-Tetrachloroethane                         | ND        |      | ug/m <sup>3</sup> | 3.3             | 4.791    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 22:56   | VH      |
| 76-13-1  | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND        |      | ug/m <sup>3</sup> | 3.7             | 4.791    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 22:56   | VH      |
| 79-00-5  | 1,1,2-Trichloroethane                             | ND        |      | ug/m <sup>3</sup> | 2.6             | 4.791    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 22:56   | VH      |
| 75-34-3  | 1,1-Dichloroethane                                | ND        |      | ug/m <sup>3</sup> | 1.9             | 4.791    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 22:56   | VH      |
| 75-35-4  | 1,1-Dichloroethylene                              | ND        |      | ug/m <sup>3</sup> | 0.47            | 4.791    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 22:56   | VH      |
| 120-82-1 | 1,2,4-Trichlorobenzene                            | ND        |      | ug/m <sup>3</sup> | 7.1             | 4.791    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 22:56   | VH      |
| 95-63-6  | 1,2,4-Trimethylbenzene                            | ND        |      | ug/m <sup>3</sup> | 2.4             | 4.791    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 22:56   | VH      |
| 106-93-4 | 1,2-Dibromoethane                                 | ND        |      | ug/m <sup>3</sup> | 3.7             | 4.791    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 22:56   | VH      |
| 95-50-1  | 1,2-Dichlorobenzene                               | ND        |      | ug/m <sup>3</sup> | 2.9             | 4.791    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 22:56   | VH      |
| 107-06-2 | 1,2-Dichloroethane                                | ND        |      | ug/m <sup>3</sup> | 1.9             | 4.791    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 22:56   | VH      |
| 78-87-5  | 1,2-Dichloropropane                               | ND        |      | ug/m <sup>3</sup> | 2.2             | 4.791    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 22:56   | VH      |
| 76-14-2  | 1,2-Dichlorotetrafluoroethane                     | ND        |      | ug/m <sup>3</sup> | 3.3             | 4.791    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 22:56   | VH      |
| 108-67-8 | 1,3,5-Trimethylbenzene                            | ND        |      | ug/m <sup>3</sup> | 2.4             | 4.791    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 22:56   | VH      |
| 106-99-0 | 1,3-Butadiene                                     | ND        |      | ug/m <sup>3</sup> | 3.2             | 4.791    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 22:56   | VH      |
| 541-73-1 | 1,3-Dichlorobenzene                               | ND        |      | ug/m <sup>3</sup> | 2.9             | 4.791    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 22:56   | VH      |
| 142-28-9 | * 1,3-Dichloropropane                             | ND        |      | ug/m <sup>3</sup> | 2.2             | 4.791    | EPA TO-15<br>Certifications:                            | 01/11/2023 12:00   | 01/11/2023 22:56   | VH      |
| 106-46-7 | 1,4-Dichlorobenzene                               | ND        |      | ug/m <sup>3</sup> | 2.9             | 4.791    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 22:56   | VH      |
| 123-91-1 | 1,4-Dioxane                                       | ND        |      | ug/m <sup>3</sup> | 3.5             | 4.791    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 22:56   | VH      |
| 78-93-3  | <b>2-Butanone</b>                                 | <b>24</b> |      | ug/m <sup>3</sup> | 1.4             | 4.791    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 22:56   | VH      |
| 591-78-6 | * 2-Hexanone                                      | ND        |      | ug/m <sup>3</sup> | 3.9             | 4.791    | EPA TO-15<br>Certifications:                            | 01/11/2023 12:00   | 01/11/2023 22:56   | VH      |
| 107-05-1 | 3-Chloropropene                                   | ND        |      | ug/m <sup>3</sup> | 7.5             | 4.791    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 22:56   | VH      |



## Sample Information

**Client Sample ID:** SV-3

**York Sample ID:** 23A0464-03

York Project (SDG) No.  
23A0464

Client Project ID  
21003-0004

Matrix  
Soil Vapor

Collection Date/Time  
January 10, 2023 12:53 pm

Date Received  
01/10/2023

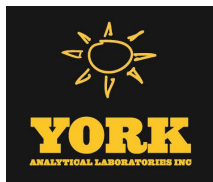
### Volatile Organics, EPA TO15 Full List

### 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 |
|------------|---------------------------|--------|----------------------|-------------------|-----------------|----------|---------------------------------------------------------|--------------------|--------------------|---------|
| 108-10-1   | 4-Methyl-2-pentanone      | 3.7    |                      | ug/m <sup>3</sup> | 2.0             | 4.791    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 22:56   | VH      |
| 67-64-1    | Acetone                   | 440    |                      | ug/m <sup>3</sup> | 2.3             | 4.791    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 22:56   | VH      |
| 107-13-1   | Acrylonitrile             | ND     |                      | ug/m <sup>3</sup> | 1.0             | 4.791    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 22:56   | VH      |
| 71-43-2    | Benzene                   | 1.5    |                      | ug/m <sup>3</sup> | 1.5             | 4.791    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 22:56   | VH      |
| 100-44-7   | Benzyl chloride           | ND     |                      | ug/m <sup>3</sup> | 5.0             | 4.791    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 22:56   | VH      |
| 75-27-4    | Bromodichloromethane      | ND     |                      | ug/m <sup>3</sup> | 3.2             | 4.791    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 22:56   | VH      |
| 75-25-2    | Bromoform                 | ND     |                      | ug/m <sup>3</sup> | 5.0             | 4.791    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 22:56   | VH      |
| 74-83-9    | Bromomethane              | ND     |                      | ug/m <sup>3</sup> | 1.9             | 4.791    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 22:56   | VH      |
| 75-15-0    | Carbon disulfide          | ND     |                      | ug/m <sup>3</sup> | 1.5             | 4.791    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 22:56   | VH      |
| 56-23-5    | Carbon tetrachloride      | ND     |                      | ug/m <sup>3</sup> | 0.75            | 4.791    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 22:56   | VH      |
| 108-90-7   | Chlorobenzene             | ND     |                      | ug/m <sup>3</sup> | 2.2             | 4.791    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 22:56   | VH      |
| 75-00-3    | Chloroethane              | ND     |                      | ug/m <sup>3</sup> | 1.3             | 4.791    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 22:56   | VH      |
| 67-66-3    | Chloroform                | ND     |                      | ug/m <sup>3</sup> | 2.3             | 4.791    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 22:56   | VH      |
| 74-87-3    | Chloromethane             | ND     |                      | ug/m <sup>3</sup> | 0.99            | 4.791    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 22:56   | VH      |
| 156-59-2   | cis-1,2-Dichloroethylene  | ND     |                      | ug/m <sup>3</sup> | 0.47            | 4.791    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 22:56   | VH      |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND     |                      | ug/m <sup>3</sup> | 2.2             | 4.791    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 22:56   | VH      |
| 110-82-7   | Cyclohexane               | ND     |                      | ug/m <sup>3</sup> | 1.6             | 4.791    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 22:56   | VH      |
| 124-48-1   | Dibromochloromethane      | ND     |                      | ug/m <sup>3</sup> | 4.1             | 4.791    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 22:56   | VH      |
| 75-71-8    | Dichlorodifluoromethane   | 2.6    | TO-LCS<br>-H         | ug/m <sup>3</sup> | 2.4             | 4.791    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 22:56   | VH      |
| 141-78-6   | * Ethyl acetate           | ND     |                      | ug/m <sup>3</sup> | 3.5             | 4.791    | EPA TO-15<br>Certifications:                            | 01/11/2023 12:00   | 01/11/2023 22:56   | VH      |
| 100-41-4   | Ethyl Benzene             | ND     |                      | ug/m <sup>3</sup> | 2.1             | 4.791    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 22:56   | VH      |
| 87-68-3    | Hexachlorobutadiene       | ND     | CAL-E,<br>TO-CC<br>V | ug/m <sup>3</sup> | 5.1             | 4.791    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 22:56   | VH      |
| 67-63-0    | Isopropanol               | 23     |                      | ug/m <sup>3</sup> | 2.4             | 4.791    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 22:56   | VH      |



## Sample Information

**Client Sample ID:** SV-3

**York Sample ID:** 23A0464-03

York Project (SDG) No.

23A0464

Client Project ID

21003-0004

Matrix

Soil Vapor

Collection Date/Time

January 10, 2023 12:53 pm

Date Received

01/10/2023

### 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<br>LOQ | Dilution | Reference Method                                        | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-------------|-----------------------------------|------------|------|-------------------|--------------------|----------|---------------------------------------------------------|-----------------------|-----------------------|---------|
| 80-62-6     | Methyl Methacrylate               | ND         |      | ug/m <sup>3</sup> | 2.0                | 4.791    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/11/2023 22:56      | VH      |
| 1634-04-4   | Methyl tert-butyl ether (MTBE)    | ND         |      | ug/m <sup>3</sup> | 1.7                | 4.791    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/11/2023 22:56      | VH      |
| 75-09-2     | Methylene chloride                | ND         |      | ug/m <sup>3</sup> | 3.3                | 4.791    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/11/2023 22:56      | VH      |
| 142-82-5    | n-Heptane                         | ND         |      | ug/m <sup>3</sup> | 2.0                | 4.791    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/11/2023 22:56      | VH      |
| 110-54-3    | <b>n-Hexane</b>                   | <b>2.5</b> |      | ug/m <sup>3</sup> | 1.7                | 4.791    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/11/2023 22:56      | VH      |
| 95-47-6     | o-Xylene                          | ND         |      | ug/m <sup>3</sup> | 2.1                | 4.791    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/11/2023 22:56      | VH      |
| 179601-23-1 | p- & m- Xylenes                   | ND         |      | ug/m <sup>3</sup> | 4.2                | 4.791    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/11/2023 22:56      | VH      |
| 622-96-8    | * p-Ethyltoluene                  | ND         |      | ug/m <sup>3</sup> | 2.4                | 4.791    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/11/2023 22:56      | VH      |
| 115-07-1    | <b>* Propylene</b>                | <b>25</b>  |      | ug/m <sup>3</sup> | 0.82               | 4.791    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/11/2023 22:56      | VH      |
| 100-42-5    | Styrene                           | ND         |      | ug/m <sup>3</sup> | 2.0                | 4.791    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/11/2023 22:56      | VH      |
| 127-18-4    | Tetrachloroethylene               | ND         |      | ug/m <sup>3</sup> | 3.2                | 4.791    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/11/2023 22:56      | VH      |
| 109-99-9    | * Tetrahydrofuran                 | ND         |      | ug/m <sup>3</sup> | 2.8                | 4.791    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/11/2023 22:56      | VH      |
| 108-88-3    | <b>Toluene</b>                    | <b>6.7</b> |      | ug/m <sup>3</sup> | 1.8                | 4.791    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/11/2023 22:56      | VH      |
| 156-60-5    | trans-1,2-Dichloroethylene        | ND         |      | ug/m <sup>3</sup> | 1.9                | 4.791    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/11/2023 22:56      | VH      |
| 10061-02-6  | trans-1,3-Dichloropropylene       | ND         |      | ug/m <sup>3</sup> | 2.2                | 4.791    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/11/2023 22:56      | VH      |
| 79-01-6     | Trichloroethylene                 | ND         |      | ug/m <sup>3</sup> | 0.64               | 4.791    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/11/2023 22:56      | VH      |
| 75-69-4     | Trichlorofluoromethane (Freon 11) | ND         |      | ug/m <sup>3</sup> | 2.7                | 4.791    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/11/2023 22:56      | VH      |
| 108-05-4    | Vinyl acetate                     | ND         |      | ug/m <sup>3</sup> | 1.7                | 4.791    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/11/2023 22:56      | VH      |
| 593-60-2    | Vinyl bromide                     | ND         |      | ug/m <sup>3</sup> | 2.1                | 4.791    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/11/2023 22:56      | VH      |
| 75-01-4     | Vinyl Chloride                    | ND         |      | ug/m <sup>3</sup> | 0.61               | 4.791    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/11/2023 22:56      | VH      |



## Sample Information

**Client Sample ID:** SV-4

**York Sample ID:** 23A0464-04

York Project (SDG) No.  
23A0464

Client Project ID  
21003-0004

Matrix  
Soil Vapor

Collection Date/Time  
January 10, 2023 12:54 pm

Date Received  
01/10/2023

### Volatile Organics, EPA TO15 Full List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

| CAS No.  | Parameter                                         | Result     | Flag | Units             | Reported to LOQ | Dilution | Reference Method                                        | Date/Time Prepared | Date/Time Analyzed | Analyst |
|----------|---------------------------------------------------|------------|------|-------------------|-----------------|----------|---------------------------------------------------------|--------------------|--------------------|---------|
| 630-20-6 | * 1,1,1,2-Tetrachloroethane                       | ND         |      | ug/m <sup>3</sup> | 1.1             | 1.631    | EPA TO-15<br>Certifications:                            | 01/12/2023 13:00   | 01/13/2023 12:59   | VH      |
| 71-55-6  | 1,1,1-Trichloroethane                             | ND         |      | ug/m <sup>3</sup> | 0.89            | 1.631    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/12/2023 13:00   | 01/13/2023 12:59   | VH      |
| 79-34-5  | 1,1,2,2-Tetrachloroethane                         | ND         |      | ug/m <sup>3</sup> | 1.1             | 1.631    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/12/2023 13:00   | 01/13/2023 12:59   | VH      |
| 76-13-1  | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND         |      | ug/m <sup>3</sup> | 1.2             | 1.631    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/12/2023 13:00   | 01/13/2023 12:59   | VH      |
| 79-00-5  | 1,1,2-Trichloroethane                             | ND         |      | ug/m <sup>3</sup> | 0.89            | 1.631    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/12/2023 13:00   | 01/13/2023 12:59   | VH      |
| 75-34-3  | 1,1-Dichloroethane                                | ND         |      | ug/m <sup>3</sup> | 0.66            | 1.631    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/12/2023 13:00   | 01/13/2023 12:59   | VH      |
| 75-35-4  | 1,1-Dichloroethylene                              | ND         |      | ug/m <sup>3</sup> | 0.16            | 1.631    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/12/2023 13:00   | 01/13/2023 12:59   | VH      |
| 120-82-1 | 1,2,4-Trichlorobenzene                            | ND         |      | ug/m <sup>3</sup> | 1.2             | 1.631    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/12/2023 13:00   | 01/13/2023 12:59   | VH      |
| 95-63-6  | 1,2,4-Trimethylbenzene                            | ND         |      | ug/m <sup>3</sup> | 0.80            | 1.631    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/12/2023 13:00   | 01/13/2023 12:59   | VH      |
| 106-93-4 | 1,2-Dibromoethane                                 | ND         |      | ug/m <sup>3</sup> | 1.3             | 1.631    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/12/2023 13:00   | 01/13/2023 12:59   | VH      |
| 95-50-1  | 1,2-Dichlorobenzene                               | ND         |      | ug/m <sup>3</sup> | 0.98            | 1.631    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/12/2023 13:00   | 01/13/2023 12:59   | VH      |
| 107-06-2 | 1,2-Dichloroethane                                | ND         |      | ug/m <sup>3</sup> | 0.66            | 1.631    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/12/2023 13:00   | 01/13/2023 12:59   | VH      |
| 78-87-5  | 1,2-Dichloropropane                               | ND         |      | ug/m <sup>3</sup> | 0.75            | 1.631    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/12/2023 13:00   | 01/13/2023 12:59   | VH      |
| 76-14-2  | 1,2-Dichlorotetrafluoroethane                     | ND         |      | ug/m <sup>3</sup> | 1.1             | 1.631    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/12/2023 13:00   | 01/13/2023 12:59   | VH      |
| 108-67-8 | 1,3,5-Trimethylbenzene                            | ND         |      | ug/m <sup>3</sup> | 0.80            | 1.631    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/12/2023 13:00   | 01/13/2023 12:59   | VH      |
| 106-99-0 | 1,3-Butadiene                                     | ND         |      | ug/m <sup>3</sup> | 1.1             | 1.631    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/12/2023 13:00   | 01/13/2023 12:59   | VH      |
| 541-73-1 | 1,3-Dichlorobenzene                               | ND         |      | ug/m <sup>3</sup> | 0.98            | 1.631    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/12/2023 13:00   | 01/13/2023 12:59   | VH      |
| 142-28-9 | * 1,3-Dichloropropane                             | ND         |      | ug/m <sup>3</sup> | 0.75            | 1.631    | EPA TO-15<br>Certifications:                            | 01/12/2023 13:00   | 01/13/2023 12:59   | VH      |
| 106-46-7 | 1,4-Dichlorobenzene                               | ND         |      | ug/m <sup>3</sup> | 0.98            | 1.631    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/12/2023 13:00   | 01/13/2023 12:59   | VH      |
| 123-91-1 | 1,4-Dioxane                                       | ND         |      | ug/m <sup>3</sup> | 1.2             | 1.631    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/12/2023 13:00   | 01/13/2023 12:59   | VH      |
| 78-93-3  | <b>2-Butanone</b>                                 | <b>4.7</b> |      | ug/m <sup>3</sup> | 0.48            | 1.631    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/12/2023 13:00   | 01/13/2023 12:59   | VH      |
| 591-78-6 | * 2-Hexanone                                      | ND         |      | ug/m <sup>3</sup> | 1.3             | 1.631    | EPA TO-15<br>Certifications:                            | 01/12/2023 13:00   | 01/13/2023 12:59   | VH      |
| 107-05-1 | 3-Chloropropene                                   | ND         |      | ug/m <sup>3</sup> | 2.6             | 1.631    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/12/2023 13:00   | 01/13/2023 12:59   | VH      |



## Sample Information

**Client Sample ID:** SV-4

**York Sample ID:** 23A0464-04

York Project (SDG) No.  
23A0464

Client Project ID  
21003-0004

Matrix  
Soil Vapor

Collection Date/Time  
January 10, 2023 12:54 pm

Date Received  
01/10/2023

### 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<br>LOQ | Dilution | Reference Method                                        | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|---------------------------|--------|------------|-------------------|--------------------|----------|---------------------------------------------------------|-----------------------|-----------------------|---------|
| 108-10-1   | 4-Methyl-2-pentanone      | ND     |            | ug/m <sup>3</sup> | 0.67               | 1.631    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/12/2023 13:00      | 01/13/2023 12:59      | VH      |
| 67-64-1    | Acetone                   | 88     |            | ug/m <sup>3</sup> | 0.77               | 1.631    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/12/2023 13:00      | 01/13/2023 12:59      | VH      |
| 107-13-1   | Acrylonitrile             | ND     |            | ug/m <sup>3</sup> | 0.35               | 1.631    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/12/2023 13:00      | 01/13/2023 12:59      | VH      |
| 71-43-2    | Benzene                   | 2.9    |            | ug/m <sup>3</sup> | 0.52               | 1.631    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/12/2023 13:00      | 01/13/2023 12:59      | VH      |
| 100-44-7   | Benzyl chloride           | ND     |            | ug/m <sup>3</sup> | 0.84               | 1.631    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/12/2023 13:00      | 01/13/2023 12:59      | VH      |
| 75-27-4    | Bromodichloromethane      | ND     |            | ug/m <sup>3</sup> | 1.1                | 1.631    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/12/2023 13:00      | 01/13/2023 12:59      | VH      |
| 75-25-2    | Bromoform                 | ND     |            | ug/m <sup>3</sup> | 1.7                | 1.631    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/12/2023 13:00      | 01/13/2023 12:59      | VH      |
| 74-83-9    | Bromomethane              | ND     | TO-CC<br>V | ug/m <sup>3</sup> | 0.63               | 1.631    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/12/2023 13:00      | 01/13/2023 12:59      | VH      |
| 75-15-0    | Carbon disulfide          | ND     |            | ug/m <sup>3</sup> | 0.51               | 1.631    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/12/2023 13:00      | 01/13/2023 12:59      | VH      |
| 56-23-5    | Carbon tetrachloride      | 0.31   |            | ug/m <sup>3</sup> | 0.26               | 1.631    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/12/2023 13:00      | 01/13/2023 12:59      | VH      |
| 108-90-7   | Chlorobenzene             | ND     |            | ug/m <sup>3</sup> | 0.75               | 1.631    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/12/2023 13:00      | 01/13/2023 12:59      | VH      |
| 75-00-3    | Chloroethane              | ND     |            | ug/m <sup>3</sup> | 0.43               | 1.631    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/12/2023 13:00      | 01/13/2023 12:59      | VH      |
| 67-66-3    | Chloroform                | 2.1    |            | ug/m <sup>3</sup> | 0.80               | 1.631    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/12/2023 13:00      | 01/13/2023 12:59      | VH      |
| 74-87-3    | Chloromethane             | 1.0    |            | ug/m <sup>3</sup> | 0.34               | 1.631    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/12/2023 13:00      | 01/13/2023 12:59      | VH      |
| 156-59-2   | cis-1,2-Dichloroethylene  | ND     |            | ug/m <sup>3</sup> | 0.16               | 1.631    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/12/2023 13:00      | 01/13/2023 12:59      | VH      |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND     |            | ug/m <sup>3</sup> | 0.74               | 1.631    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/12/2023 13:00      | 01/13/2023 12:59      | VH      |
| 110-82-7   | Cyclohexane               | 1.1    |            | ug/m <sup>3</sup> | 0.56               | 1.631    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/12/2023 13:00      | 01/13/2023 12:59      | VH      |
| 124-48-1   | Dibromochloromethane      | ND     |            | ug/m <sup>3</sup> | 1.4                | 1.631    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/12/2023 13:00      | 01/13/2023 12:59      | VH      |
| 75-71-8    | Dichlorodifluoromethane   | 2.5    |            | ug/m <sup>3</sup> | 0.81               | 1.631    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/12/2023 13:00      | 01/13/2023 12:59      | VH      |
| 141-78-6   | * Ethyl acetate           | ND     |            | ug/m <sup>3</sup> | 1.2                | 1.631    | EPA TO-15<br>Certifications:                            | 01/12/2023 13:00      | 01/13/2023 12:59      | VH      |
| 100-41-4   | Ethyl Benzene             | 2.2    |            | ug/m <sup>3</sup> | 0.71               | 1.631    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/12/2023 13:00      | 01/13/2023 12:59      | VH      |



## Sample Information

**Client Sample ID:** SV-4

**York Sample ID:** 23A0464-04

York Project (SDG) No.  
23A0464

Client Project ID  
21003-0004

Matrix  
Soil Vapor

Collection Date/Time  
January 10, 2023 12:54 pm

Date Received  
01/10/2023

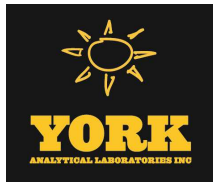
### Volatile Organics, EPA TO15 Full List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

| CAS No.     | Parameter                         | Result | Flag                                  | Units             | Reported to<br>LOQ | Dilution | Reference Method                                        | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|-------------|-----------------------------------|--------|---------------------------------------|-------------------|--------------------|----------|---------------------------------------------------------|-----------------------|-----------------------|---------|
| 87-68-3     | Hexachlorobutadiene               | ND     | CAL-E,<br>TO-CC<br>V,<br>TO-LCS<br>-L | ug/m <sup>3</sup> | 1.7                | 1.631    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/12/2023 13:00      | 01/13/2023 12:59      | VH      |
| 67-63-0     | Isopropanol                       | 2.7    | B                                     | ug/m <sup>3</sup> | 0.80               | 1.631    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/12/2023 13:00      | 01/13/2023 12:59      | VH      |
| 80-62-6     | Methyl Methacrylate               | ND     |                                       | ug/m <sup>3</sup> | 0.67               | 1.631    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/12/2023 13:00      | 01/13/2023 12:59      | VH      |
| 1634-04-4   | Methyl tert-butyl ether (MTBE)    | ND     |                                       | ug/m <sup>3</sup> | 0.59               | 1.631    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/12/2023 13:00      | 01/13/2023 12:59      | VH      |
| 75-09-2     | Methylene chloride                | 1.6    |                                       | ug/m <sup>3</sup> | 1.1                | 1.631    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/12/2023 13:00      | 01/13/2023 12:59      | VH      |
| 142-82-5    | n-Heptane                         | ND     |                                       | ug/m <sup>3</sup> | 0.67               | 1.631    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/12/2023 13:00      | 01/13/2023 12:59      | VH      |
| 110-54-3    | n-Hexane                          | 2.1    |                                       | ug/m <sup>3</sup> | 0.57               | 1.631    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/12/2023 13:00      | 01/13/2023 12:59      | VH      |
| 95-47-6     | o-Xylene                          | 2.1    |                                       | ug/m <sup>3</sup> | 0.71               | 1.631    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/12/2023 13:00      | 01/13/2023 12:59      | VH      |
| 179601-23-1 | p- & m- Xylenes                   | 5.7    |                                       | ug/m <sup>3</sup> | 1.4                | 1.631    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/12/2023 13:00      | 01/13/2023 12:59      | VH      |
| 622-96-8    | * p-Ethyltoluene                  | ND     |                                       | ug/m <sup>3</sup> | 0.80               | 1.631    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/12/2023 13:00      | 01/13/2023 12:59      | VH      |
| 115-07-1    | * Propylene                       | ND     |                                       | ug/m <sup>3</sup> | 0.28               | 1.631    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/12/2023 13:00      | 01/13/2023 12:59      | VH      |
| 100-42-5    | Styrene                           | ND     |                                       | ug/m <sup>3</sup> | 0.69               | 1.631    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/12/2023 13:00      | 01/13/2023 12:59      | VH      |
| 127-18-4    | Tetrachloroethylene               | 1.2    |                                       | ug/m <sup>3</sup> | 1.1                | 1.631    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/12/2023 13:00      | 01/13/2023 12:59      | VH      |
| 109-99-9    | * Tetrahydrofuran                 | ND     |                                       | ug/m <sup>3</sup> | 0.96               | 1.631    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/12/2023 13:00      | 01/13/2023 12:59      | VH      |
| 108-88-3    | Toluene                           | 12     |                                       | ug/m <sup>3</sup> | 0.61               | 1.631    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/12/2023 13:00      | 01/13/2023 12:59      | VH      |
| 156-60-5    | trans-1,2-Dichloroethylene        | ND     |                                       | ug/m <sup>3</sup> | 0.65               | 1.631    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/12/2023 13:00      | 01/13/2023 12:59      | VH      |
| 10061-02-6  | trans-1,3-Dichloropropylene       | ND     |                                       | ug/m <sup>3</sup> | 0.74               | 1.631    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/12/2023 13:00      | 01/13/2023 12:59      | VH      |
| 79-01-6     | Trichloroethylene                 | ND     |                                       | ug/m <sup>3</sup> | 0.22               | 1.631    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/12/2023 13:00      | 01/13/2023 12:59      | VH      |
| 75-69-4     | Trichlorofluoromethane (Freon 11) | 1.2    |                                       | ug/m <sup>3</sup> | 0.92               | 1.631    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/12/2023 13:00      | 01/13/2023 12:59      | VH      |
| 108-05-4    | Vinyl acetate                     | ND     |                                       | ug/m <sup>3</sup> | 0.57               | 1.631    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/12/2023 13:00      | 01/13/2023 12:59      | VH      |
| 593-60-2    | Vinyl bromide                     | ND     |                                       | ug/m <sup>3</sup> | 0.71               | 1.631    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/12/2023 13:00      | 01/13/2023 12:59      | VH      |
| 75-01-4     | Vinyl Chloride                    | ND     |                                       | ug/m <sup>3</sup> | 0.21               | 1.631    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/12/2023 13:00      | 01/13/2023 12:59      | VH      |



## Sample Information

**Client Sample ID:** SV-4

**York Sample ID:** 23A0464-04

|                                          |                                        |                             |                                                          |                                    |
|------------------------------------------|----------------------------------------|-----------------------------|----------------------------------------------------------|------------------------------------|
| <u>York Project (SDG) No.</u><br>23A0464 | <u>Client Project ID</u><br>21003-0004 | <u>Matrix</u><br>Soil Vapor | <u>Collection Date/Time</u><br>January 10, 2023 12:54 pm | <u>Date Received</u><br>01/10/2023 |
|------------------------------------------|----------------------------------------|-----------------------------|----------------------------------------------------------|------------------------------------|

## Sample Information

**Client Sample ID:** SV-5

**York Sample ID:** 23A0464-05

|                                          |                                        |                             |                                                          |                                    |
|------------------------------------------|----------------------------------------|-----------------------------|----------------------------------------------------------|------------------------------------|
| <u>York Project (SDG) No.</u><br>23A0464 | <u>Client Project ID</u><br>21003-0004 | <u>Matrix</u><br>Soil Vapor | <u>Collection Date/Time</u><br>January 10, 2023 12:55 pm | <u>Date Received</u><br>01/10/2023 |
|------------------------------------------|----------------------------------------|-----------------------------|----------------------------------------------------------|------------------------------------|

### Volatile Organics, EPA TO15 Full List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

| CAS No.  | Parameter                                         | Result | Flag | Units             | Reported to LOQ | Dilution | Reference Method                                        | Date/Time Prepared | Date/Time Analyzed | Analyst |
|----------|---------------------------------------------------|--------|------|-------------------|-----------------|----------|---------------------------------------------------------|--------------------|--------------------|---------|
| 630-20-6 | * 1,1,1,2-Tetrachloroethane                       | ND     |      | ug/m <sup>3</sup> | 3.3             | 4.783    | EPA TO-15<br>Certifications:                            | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |
| 71-55-6  | 1,1,1-Trichloroethane                             | ND     |      | ug/m <sup>3</sup> | 2.6             | 4.783    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |
| 79-34-5  | 1,1,2,2-Tetrachloroethane                         | ND     |      | ug/m <sup>3</sup> | 3.3             | 4.783    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |
| 76-13-1  | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND     |      | ug/m <sup>3</sup> | 3.7             | 4.783    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |
| 79-00-5  | 1,1,2-Trichloroethane                             | ND     |      | ug/m <sup>3</sup> | 2.6             | 4.783    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |
| 75-34-3  | 1,1-Dichloroethane                                | ND     |      | ug/m <sup>3</sup> | 1.9             | 4.783    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |
| 75-35-4  | 1,1-Dichloroethylene                              | ND     |      | ug/m <sup>3</sup> | 0.47            | 4.783    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |
| 120-82-1 | 1,2,4-Trichlorobenzene                            | ND     |      | ug/m <sup>3</sup> | 7.1             | 4.783    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |
| 95-63-6  | 1,2,4-Trimethylbenzene                            | ND     |      | ug/m <sup>3</sup> | 2.4             | 4.783    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |
| 106-93-4 | 1,2-Dibromoethane                                 | ND     |      | ug/m <sup>3</sup> | 3.7             | 4.783    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |
| 95-50-1  | 1,2-Dichlorobenzene                               | ND     |      | ug/m <sup>3</sup> | 2.9             | 4.783    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |
| 107-06-2 | 1,2-Dichloroethane                                | ND     |      | ug/m <sup>3</sup> | 1.9             | 4.783    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |
| 78-87-5  | 1,2-Dichloropropane                               | ND     |      | ug/m <sup>3</sup> | 2.2             | 4.783    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |
| 76-14-2  | 1,2-Dichlorotetrafluoroethane                     | ND     |      | ug/m <sup>3</sup> | 3.3             | 4.783    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |
| 108-67-8 | 1,3,5-Trimethylbenzene                            | ND     |      | ug/m <sup>3</sup> | 2.4             | 4.783    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |
| 106-99-0 | 1,3-Butadiene                                     | ND     |      | ug/m <sup>3</sup> | 3.2             | 4.783    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |
| 541-73-1 | 1,3-Dichlorobenzene                               | ND     |      | ug/m <sup>3</sup> | 2.9             | 4.783    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |
| 142-28-9 | * 1,3-Dichloropropane                             | ND     |      | ug/m <sup>3</sup> | 2.2             | 4.783    | EPA TO-15<br>Certifications:                            | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |
| 106-46-7 | 1,4-Dichlorobenzene                               | ND     |      | ug/m <sup>3</sup> | 2.9             | 4.783    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |





## Sample Information

**Client Sample ID:** SV-5

**York Sample ID:** 23A0464-05

York Project (SDG) No.  
23A0464

Client Project ID  
21003-0004

Matrix  
Soil Vapor

Collection Date/Time  
January 10, 2023 12:55 pm

Date Received  
01/10/2023

### Volatile Organics, EPA TO15 Full List

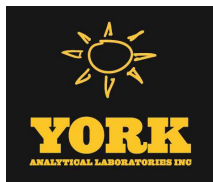
### Log-in Notes:

### 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 |
|------------|--------------------------------|------------|--------------|-------------------|-----------------|----------|---------------------------------------------------------|--------------------|--------------------|---------|
| 123-91-1   | 1,4-Dioxane                    | ND         |              | ug/m <sup>3</sup> | 3.4             | 4.783    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |
| 78-93-3    | <b>2-Butanone</b>              | <b>20</b>  |              | ug/m <sup>3</sup> | 1.4             | 4.783    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |
| 591-78-6   | * 2-Hexanone                   | ND         |              | ug/m <sup>3</sup> | 3.9             | 4.783    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |
| 107-05-1   | 3-Chloropropene                | ND         |              | ug/m <sup>3</sup> | 7.5             | 4.783    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |
| 108-10-1   | <b>4-Methyl-2-pentanone</b>    | <b>5.9</b> |              | ug/m <sup>3</sup> | 2.0             | 4.783    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |
| 67-64-1    | <b>Acetone</b>                 | <b>190</b> |              | ug/m <sup>3</sup> | 2.3             | 4.783    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |
| 107-13-1   | Acrylonitrile                  | ND         |              | ug/m <sup>3</sup> | 1.0             | 4.783    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |
| 71-43-2    | Benzene                        | ND         |              | ug/m <sup>3</sup> | 1.5             | 4.783    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |
| 100-44-7   | Benzyl chloride                | ND         |              | ug/m <sup>3</sup> | 5.0             | 4.783    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |
| 75-27-4    | Bromodichloromethane           | ND         |              | ug/m <sup>3</sup> | 3.2             | 4.783    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |
| 75-25-2    | Bromoform                      | ND         |              | ug/m <sup>3</sup> | 4.9             | 4.783    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |
| 74-83-9    | Bromomethane                   | ND         |              | ug/m <sup>3</sup> | 1.9             | 4.783    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |
| 75-15-0    | Carbon disulfide               | ND         |              | ug/m <sup>3</sup> | 1.5             | 4.783    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |
| 56-23-5    | Carbon tetrachloride           | ND         |              | ug/m <sup>3</sup> | 0.75            | 4.783    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |
| 108-90-7   | Chlorobenzene                  | ND         |              | ug/m <sup>3</sup> | 2.2             | 4.783    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |
| 75-00-3    | Chloroethane                   | ND         |              | ug/m <sup>3</sup> | 1.3             | 4.783    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |
| 67-66-3    | Chloroform                     | ND         |              | ug/m <sup>3</sup> | 2.3             | 4.783    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |
| 74-87-3    | <b>Chloromethane</b>           | <b>1.1</b> |              | ug/m <sup>3</sup> | 0.99            | 4.783    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |
| 156-59-2   | cis-1,2-Dichloroethylene       | ND         |              | ug/m <sup>3</sup> | 0.47            | 4.783    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |
| 10061-01-5 | cis-1,3-Dichloropropylene      | ND         |              | ug/m <sup>3</sup> | 2.2             | 4.783    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |
| 110-82-7   | Cyclohexane                    | ND         |              | ug/m <sup>3</sup> | 1.6             | 4.783    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |
| 124-48-1   | Dibromochloromethane           | ND         |              | ug/m <sup>3</sup> | 4.1             | 4.783    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |
| 75-71-8    | <b>Dichlorodifluoromethane</b> | <b>2.6</b> | TO-LCS<br>-H | ug/m <sup>3</sup> | 2.4             | 4.783    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |





## Sample Information

**Client Sample ID:** SV-5

**York Sample ID:** 23A0464-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0464

21003-0004

Soil Vapor

January 10, 2023 12:55 pm

01/10/2023

### 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 |
|-------------|-----------------------------------|--------|----------------------|-------------------|-----------------|----------|------------------------------|--------------------|--------------------|---------|
| 141-78-6    | * Ethyl acetate                   | 4.0    |                      | ug/m <sup>3</sup> | 3.4             | 4.783    | EPA TO-15<br>Certifications: | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |
| 100-41-4    | Ethyl Benzene                     | ND     |                      | ug/m <sup>3</sup> | 2.1             | 4.783    | EPA TO-15<br>Certifications: | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |
| 87-68-3     | Hexachlorobutadiene               | ND     | CAL-E,<br>TO-CC<br>V | ug/m <sup>3</sup> | 5.1             | 4.783    | EPA TO-15<br>Certifications: | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |
| 67-63-0     | Isopropanol                       | 25     |                      | ug/m <sup>3</sup> | 2.4             | 4.783    | EPA TO-15<br>Certifications: | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |
| 80-62-6     | Methyl Methacrylate               | ND     |                      | ug/m <sup>3</sup> | 2.0             | 4.783    | EPA TO-15<br>Certifications: | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |
| 1634-04-4   | Methyl tert-butyl ether (MTBE)    | ND     |                      | ug/m <sup>3</sup> | 1.7             | 4.783    | EPA TO-15<br>Certifications: | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |
| 75-09-2     | Methylene chloride                | ND     |                      | ug/m <sup>3</sup> | 3.3             | 4.783    | EPA TO-15<br>Certifications: | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |
| 142-82-5    | n-Heptane                         | ND     |                      | ug/m <sup>3</sup> | 2.0             | 4.783    | EPA TO-15<br>Certifications: | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |
| 110-54-3    | n-Hexane                          | ND     |                      | ug/m <sup>3</sup> | 1.7             | 4.783    | EPA TO-15<br>Certifications: | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |
| 95-47-6     | o-Xylene                          | ND     |                      | ug/m <sup>3</sup> | 2.1             | 4.783    | EPA TO-15<br>Certifications: | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |
| 179601-23-1 | p- & m- Xylenes                   | ND     |                      | ug/m <sup>3</sup> | 4.2             | 4.783    | EPA TO-15<br>Certifications: | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |
| 622-96-8    | * p-Ethyltoluene                  | ND     |                      | ug/m <sup>3</sup> | 2.4             | 4.783    | EPA TO-15<br>Certifications: | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |
| 115-07-1    | * Propylene                       | ND     |                      | ug/m <sup>3</sup> | 0.82            | 4.783    | EPA TO-15<br>Certifications: | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |
| 100-42-5    | Styrene                           | ND     |                      | ug/m <sup>3</sup> | 2.0             | 4.783    | EPA TO-15<br>Certifications: | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |
| 127-18-4    | Tetrachloroethylene               | ND     |                      | ug/m <sup>3</sup> | 3.2             | 4.783    | EPA TO-15<br>Certifications: | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |
| 109-99-9    | * Tetrahydrofuran                 | ND     |                      | ug/m <sup>3</sup> | 2.8             | 4.783    | EPA TO-15<br>Certifications: | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |
| 108-88-3    | Toluene                           | 5.6    |                      | ug/m <sup>3</sup> | 1.8             | 4.783    | EPA TO-15<br>Certifications: | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |
| 156-60-5    | trans-1,2-Dichloroethylene        | ND     |                      | ug/m <sup>3</sup> | 1.9             | 4.783    | EPA TO-15<br>Certifications: | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |
| 10061-02-6  | trans-1,3-Dichloropropylene       | ND     |                      | ug/m <sup>3</sup> | 2.2             | 4.783    | EPA TO-15<br>Certifications: | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |
| 79-01-6     | Trichloroethylene                 | ND     |                      | ug/m <sup>3</sup> | 0.64            | 4.783    | EPA TO-15<br>Certifications: | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |
| 75-69-4     | Trichlorofluoromethane (Freon 11) | ND     |                      | ug/m <sup>3</sup> | 2.7             | 4.783    | EPA TO-15<br>Certifications: | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |
| 108-05-4    | Vinyl acetate                     | ND     |                      | ug/m <sup>3</sup> | 1.7             | 4.783    | EPA TO-15<br>Certifications: | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |
| 593-60-2    | Vinyl bromide                     | ND     |                      | ug/m <sup>3</sup> | 2.1             | 4.783    | EPA TO-15<br>Certifications: | 01/11/2023 12:00   | 01/11/2023 23:49   | VH      |



## Sample Information

**Client Sample ID:** SV-5

**York Sample ID:** 23A0464-05

York Project (SDG) No.  
23A0464

Client Project ID  
21003-0004

Matrix  
Soil Vapor

Collection Date/Time  
January 10, 2023 12:55 pm

Date Received  
01/10/2023

### 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<br>LOQ | Dilution | Reference Method                                        | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|----------------|--------|------|-------------------|--------------------|----------|---------------------------------------------------------|-----------------------|-----------------------|---------|
| 75-01-4 | Vinyl Chloride | ND     |      | ug/m <sup>3</sup> | 0.61               | 4.783    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/11/2023 23:49      | VH      |

## Sample Information

**Client Sample ID:** SV-6

**York Sample ID:** 23A0464-06

York Project (SDG) No.  
23A0464

Client Project ID  
21003-0004

Matrix  
Soil Vapor

Collection Date/Time  
January 10, 2023 12:56 pm

Date Received  
01/10/2023

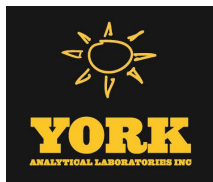
### Volatile Organics, EPA TO15 Full List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

| CAS No.  | Parameter                                            | Result     | Flag | Units             | Reported to<br>LOQ | Dilution | Reference Method                                        | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|------------------------------------------------------|------------|------|-------------------|--------------------|----------|---------------------------------------------------------|-----------------------|-----------------------|---------|
| 630-20-6 | * 1,1,1,2-Tetrachloroethane                          | ND         |      | ug/m <sup>3</sup> | 1.1                | 1.649    | EPA TO-15<br>Certifications:                            | 01/11/2023 12:00      | 01/12/2023 11:45      | VH      |
| 71-55-6  | 1,1,1-Trichloroethane                                | ND         |      | ug/m <sup>3</sup> | 0.90               | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 11:45      | VH      |
| 79-34-5  | 1,1,2,2-Tetrachloroethane                            | ND         |      | ug/m <sup>3</sup> | 1.1                | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 11:45      | VH      |
| 76-13-1  | 1,1,2-Trichloro-1,2,2-trifluoroethane<br>(Freon 113) | ND         |      | ug/m <sup>3</sup> | 1.3                | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 11:45      | VH      |
| 79-00-5  | 1,1,2-Trichloroethane                                | ND         |      | ug/m <sup>3</sup> | 0.90               | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 11:45      | VH      |
| 75-34-3  | 1,1-Dichloroethane                                   | ND         |      | ug/m <sup>3</sup> | 0.67               | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 11:45      | VH      |
| 75-35-4  | 1,1-Dichloroethylene                                 | ND         |      | ug/m <sup>3</sup> | 0.16               | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 11:45      | VH      |
| 120-82-1 | 1,2,4-Trichlorobenzene                               | ND         |      | ug/m <sup>3</sup> | 2.4                | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 11:45      | VH      |
| 95-63-6  | <b>1,2,4-Trimethylbenzene</b>                        | <b>1.1</b> |      | ug/m <sup>3</sup> | 0.81               | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 11:45      | VH      |
| 106-93-4 | 1,2-Dibromoethane                                    | ND         |      | ug/m <sup>3</sup> | 1.3                | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 11:45      | VH      |
| 95-50-1  | 1,2-Dichlorobenzene                                  | ND         |      | ug/m <sup>3</sup> | 0.99               | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 11:45      | VH      |
| 107-06-2 | 1,2-Dichloroethane                                   | ND         |      | ug/m <sup>3</sup> | 0.67               | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 11:45      | VH      |
| 78-87-5  | 1,2-Dichloropropane                                  | ND         |      | ug/m <sup>3</sup> | 0.76               | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 11:45      | VH      |
| 76-14-2  | 1,2-Dichlorotetrafluoroethane                        | ND         |      | ug/m <sup>3</sup> | 1.2                | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 11:45      | VH      |
| 108-67-8 | 1,3,5-Trimethylbenzene                               | ND         |      | ug/m <sup>3</sup> | 0.81               | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 11:45      | VH      |



## Sample Information

**Client Sample ID:** SV-6

**York Sample ID:** 23A0464-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0464

21003-0004

Soil Vapor

January 10, 2023 12:56 pm

01/10/2023

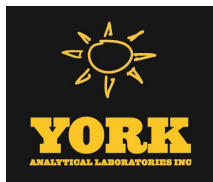
### Volatile Organics, EPA TO15 Full List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

| CAS No.  | Parameter                       | Result      | Flag | Units             | Reported to<br>LOQ | Dilution | Reference Method                                        | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|---------------------------------|-------------|------|-------------------|--------------------|----------|---------------------------------------------------------|-----------------------|-----------------------|---------|
| 106-99-0 | 1,3-Butadiene                   | ND          |      | ug/m <sup>3</sup> | 1.1                | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 11:45      | VH      |
| 541-73-1 | 1,3-Dichlorobenzene             | ND          |      | ug/m <sup>3</sup> | 0.99               | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 11:45      | VH      |
| 142-28-9 | * 1,3-Dichloropropane           | ND          |      | ug/m <sup>3</sup> | 0.76               | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 11:45      | VH      |
| 106-46-7 | 1,4-Dichlorobenzene             | ND          |      | ug/m <sup>3</sup> | 0.99               | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 11:45      | VH      |
| 123-91-1 | 1,4-Dioxane                     | ND          |      | ug/m <sup>3</sup> | 1.2                | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 11:45      | VH      |
| 78-93-3  | <b>2-Butanone</b>               | <b>1.1</b>  |      | ug/m <sup>3</sup> | 0.49               | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 11:45      | VH      |
| 591-78-6 | * 2-Hexanone                    | ND          |      | ug/m <sup>3</sup> | 1.4                | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 11:45      | VH      |
| 107-05-1 | 3-Chloropropene                 | ND          |      | ug/m <sup>3</sup> | 2.6                | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 11:45      | VH      |
| 108-10-1 | 4-Methyl-2-pentanone            | ND          |      | ug/m <sup>3</sup> | 0.68               | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 11:45      | VH      |
| 67-64-1  | <b>Acetone</b>                  | <b>2.8</b>  |      | ug/m <sup>3</sup> | 0.78               | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 11:45      | VH      |
| 107-13-1 | Acrylonitrile                   | ND          |      | ug/m <sup>3</sup> | 0.36               | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 11:45      | VH      |
| 71-43-2  | <b>Benzene</b>                  | <b>1.2</b>  |      | ug/m <sup>3</sup> | 0.53               | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 11:45      | VH      |
| 100-44-7 | Benzyl chloride                 | ND          |      | ug/m <sup>3</sup> | 1.7                | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 11:45      | VH      |
| 75-27-4  | Bromodichloromethane            | ND          |      | ug/m <sup>3</sup> | 1.1                | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 11:45      | VH      |
| 75-25-2  | Bromoform                       | ND          |      | ug/m <sup>3</sup> | 1.7                | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 11:45      | VH      |
| 74-83-9  | Bromomethane                    | ND          |      | ug/m <sup>3</sup> | 0.64               | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 11:45      | VH      |
| 75-15-0  | Carbon disulfide                | ND          |      | ug/m <sup>3</sup> | 0.51               | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 11:45      | VH      |
| 56-23-5  | Carbon tetrachloride            | ND          |      | ug/m <sup>3</sup> | 0.26               | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 11:45      | VH      |
| 108-90-7 | Chlorobenzene                   | ND          |      | ug/m <sup>3</sup> | 0.76               | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 11:45      | VH      |
| 75-00-3  | Chloroethane                    | ND          |      | ug/m <sup>3</sup> | 0.44               | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 11:45      | VH      |
| 67-66-3  | <b>Chloroform</b>               | <b>3.5</b>  |      | ug/m <sup>3</sup> | 0.81               | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 11:45      | VH      |
| 74-87-3  | Chloromethane                   | ND          |      | ug/m <sup>3</sup> | 0.34               | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 11:45      | VH      |
| 156-59-2 | <b>cis-1,2-Dichloroethylene</b> | <b>0.20</b> |      | ug/m <sup>3</sup> | 0.16               | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 11:45      | VH      |



## Sample Information

**Client Sample ID:** SV-6

**York Sample ID:** 23A0464-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0464

21003-0004

Soil Vapor

January 10, 2023 12:56 pm

01/10/2023

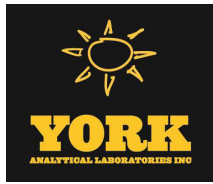
### Volatile Organics, EPA TO15 Full List

### 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 |
|-------------|--------------------------------|------------|----------------------|-------------------|-----------------|----------|---------------------------------------------------------|--------------------|--------------------|---------|
| 10061-01-5  | cis-1,3-Dichloropropylene      | ND         |                      | ug/m <sup>3</sup> | 0.75            | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 11:45   | VH      |
| 110-82-7    | Cyclohexane                    | ND         |                      | ug/m <sup>3</sup> | 0.57            | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 11:45   | VH      |
| 124-48-1    | Dibromochloromethane           | ND         |                      | ug/m <sup>3</sup> | 1.4             | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 11:45   | VH      |
| 75-71-8     | <b>Dichlorodifluoromethane</b> | <b>2.4</b> | TO-LCS<br>-H         | ug/m <sup>3</sup> | 0.82            | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 11:45   | VH      |
| 141-78-6    | * Ethyl acetate                | ND         |                      | ug/m <sup>3</sup> | 1.2             | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 11:45   | VH      |
| 100-41-4    | <b>Ethyl Benzene</b>           | <b>2.2</b> |                      | ug/m <sup>3</sup> | 0.72            | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 11:45   | VH      |
| 87-68-3     | Hexachlorobutadiene            | ND         | CAL-E,<br>TO-CC<br>V | ug/m <sup>3</sup> | 1.8             | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 11:45   | VH      |
| 67-63-0     | <b>Isopropanol</b>             | <b>1.3</b> |                      | ug/m <sup>3</sup> | 0.81            | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 11:45   | VH      |
| 80-62-6     | Methyl Methacrylate            | ND         |                      | ug/m <sup>3</sup> | 0.68            | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 11:45   | VH      |
| 1634-04-4   | Methyl tert-butyl ether (MTBE) | ND         |                      | ug/m <sup>3</sup> | 0.59            | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 11:45   | VH      |
| 75-09-2     | Methylene chloride             | ND         |                      | ug/m <sup>3</sup> | 1.1             | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 11:45   | VH      |
| 142-82-5    | n-Heptane                      | ND         |                      | ug/m <sup>3</sup> | 0.68            | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 11:45   | VH      |
| 110-54-3    | n-Hexane                       | ND         |                      | ug/m <sup>3</sup> | 0.58            | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 11:45   | VH      |
| 95-47-6     | <b>o-Xylene</b>                | <b>2.7</b> |                      | ug/m <sup>3</sup> | 0.72            | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 11:45   | VH      |
| 179601-23-1 | <b>p- &amp; m- Xylenes</b>     | <b>6.1</b> |                      | ug/m <sup>3</sup> | 1.4             | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 11:45   | VH      |
| 622-96-8    | * <b>p-Ethyltoluene</b>        | <b>1.3</b> |                      | ug/m <sup>3</sup> | 0.81            | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 11:45   | VH      |
| 115-07-1    | * Propylene                    | ND         |                      | ug/m <sup>3</sup> | 0.28            | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 11:45   | VH      |
| 100-42-5    | Styrene                        | ND         |                      | ug/m <sup>3</sup> | 0.70            | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 11:45   | VH      |
| 127-18-4    | <b>Tetrachloroethylene</b>     | <b>93</b>  |                      | ug/m <sup>3</sup> | 1.1             | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 11:45   | VH      |
| 109-99-9    | * Tetrahydrofuran              | ND         |                      | ug/m <sup>3</sup> | 0.97            | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 11:45   | VH      |
| 108-88-3    | <b>Toluene</b>                 | <b>4.1</b> |                      | ug/m <sup>3</sup> | 0.62            | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 11:45   | VH      |
| 156-60-5    | trans-1,2-Dichloroethylene     | ND         |                      | ug/m <sup>3</sup> | 0.65            | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 11:45   | VH      |



## Sample Information

**Client Sample ID:** SV-6

**York Sample ID:** 23A0464-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0464

21003-0004

Soil Vapor

January 10, 2023 12:56 pm

01/10/2023

### 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/m <sup>3</sup> | 0.75            | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 11:45   | VH      |
| 79-01-6    | Trichloroethylene                 | 2.2    |      | ug/m <sup>3</sup> | 0.22            | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 11:45   | VH      |
| 75-69-4    | Trichlorofluoromethane (Freon 11) | 1.0    |      | ug/m <sup>3</sup> | 0.93            | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 11:45   | VH      |
| 108-05-4   | Vinyl acetate                     | ND     |      | ug/m <sup>3</sup> | 0.58            | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 11:45   | VH      |
| 593-60-2   | Vinyl bromide                     | ND     |      | ug/m <sup>3</sup> | 0.72            | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 11:45   | VH      |
| 75-01-4    | Vinyl Chloride                    | ND     |      | ug/m <sup>3</sup> | 0.21            | 1.649    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 11:45   | VH      |

## Sample Information

**Client Sample ID:** SV-7

**York Sample ID:** 23A0464-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23A0464

21003-0004

Soil Vapor

January 10, 2023 12:58 pm

01/10/2023

### Volatile Organics, EPA TO15 Full List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

| CAS No.  | Parameter                                         | Result | Flag | Units             | Reported to LOQ | Dilution | Reference Method                                        | Date/Time Prepared | Date/Time Analyzed | Analyst |
|----------|---------------------------------------------------|--------|------|-------------------|-----------------|----------|---------------------------------------------------------|--------------------|--------------------|---------|
| 630-20-6 | * 1,1,1,2-Tetrachloroethane                       | ND     |      | ug/m <sup>3</sup> | 1.1             | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 12:38   | VH      |
| 71-55-6  | 1,1,1-Trichloroethane                             | ND     |      | ug/m <sup>3</sup> | 0.89            | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 12:38   | VH      |
| 79-34-5  | 1,1,2,2-Tetrachloroethane                         | ND     |      | ug/m <sup>3</sup> | 1.1             | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 12:38   | VH      |
| 76-13-1  | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND     |      | ug/m <sup>3</sup> | 1.3             | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 12:38   | VH      |
| 79-00-5  | 1,1,2-Trichloroethane                             | ND     |      | ug/m <sup>3</sup> | 0.89            | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 12:38   | VH      |
| 75-34-3  | 1,1-Dichloroethane                                | ND     |      | ug/m <sup>3</sup> | 0.66            | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 12:38   | VH      |
| 75-35-4  | 1,1-Dichloroethylene                              | ND     |      | ug/m <sup>3</sup> | 0.16            | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 12:38   | VH      |
| 120-82-1 | 1,2,4-Trichlorobenzene                            | ND     |      | ug/m <sup>3</sup> | 2.4             | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 12:38   | VH      |
| 95-63-6  | 1,2,4-Trimethylbenzene                            | ND     |      | ug/m <sup>3</sup> | 0.80            | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 12:38   | VH      |
| 106-93-4 | 1,2-Dibromoethane                                 | ND     |      | ug/m <sup>3</sup> | 1.3             | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 12:38   | VH      |



## Sample Information

**Client Sample ID:** SV-7

**York Sample ID:** 23A0464-07

York Project (SDG) No.  
23A0464

Client Project ID  
21003-0004

Matrix  
Soil Vapor

Collection Date/Time  
January 10, 2023 12:58 pm

Date Received  
01/10/2023

### 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<br>LOQ | Dilution | Reference Method                                        | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|----------|-------------------------------|------------|------|-------------------|--------------------|----------|---------------------------------------------------------|-----------------------|-----------------------|---------|
| 95-50-1  | 1,2-Dichlorobenzene           | ND         |      | ug/m <sup>3</sup> | 0.98               | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 12:38      | VH      |
| 107-06-2 | 1,2-Dichloroethane            | ND         |      | ug/m <sup>3</sup> | 0.66               | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 12:38      | VH      |
| 78-87-5  | 1,2-Dichloropropane           | ND         |      | ug/m <sup>3</sup> | 0.75               | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 12:38      | VH      |
| 76-14-2  | 1,2-Dichlorotetrafluoroethane | ND         |      | ug/m <sup>3</sup> | 1.1                | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 12:38      | VH      |
| 108-67-8 | 1,3,5-Trimethylbenzene        | ND         |      | ug/m <sup>3</sup> | 0.80               | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 12:38      | VH      |
| 106-99-0 | 1,3-Butadiene                 | ND         |      | ug/m <sup>3</sup> | 1.1                | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 12:38      | VH      |
| 541-73-1 | 1,3-Dichlorobenzene           | ND         |      | ug/m <sup>3</sup> | 0.98               | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 12:38      | VH      |
| 142-28-9 | * 1,3-Dichloropropane         | ND         |      | ug/m <sup>3</sup> | 0.75               | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 12:38      | VH      |
| 106-46-7 | 1,4-Dichlorobenzene           | ND         |      | ug/m <sup>3</sup> | 0.98               | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 12:38      | VH      |
| 123-91-1 | 1,4-Dioxane                   | ND         |      | ug/m <sup>3</sup> | 1.2                | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 12:38      | VH      |
| 78-93-3  | <b>2-Butanone</b>             | <b>2.2</b> |      | ug/m <sup>3</sup> | 0.48               | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 12:38      | VH      |
| 591-78-6 | * 2-Hexanone                  | ND         |      | ug/m <sup>3</sup> | 1.3                | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 12:38      | VH      |
| 107-05-1 | 3-Chloropropene               | ND         |      | ug/m <sup>3</sup> | 2.6                | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 12:38      | VH      |
| 108-10-1 | 4-Methyl-2-pentanone          | ND         |      | ug/m <sup>3</sup> | 0.67               | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 12:38      | VH      |
| 67-64-1  | <b>Acetone</b>                | <b>4.2</b> |      | ug/m <sup>3</sup> | 0.78               | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 12:38      | VH      |
| 107-13-1 | Acrylonitrile                 | ND         |      | ug/m <sup>3</sup> | 0.35               | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 12:38      | VH      |
| 71-43-2  | Benzene                       | ND         |      | ug/m <sup>3</sup> | 0.52               | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 12:38      | VH      |
| 100-44-7 | Benzyl chloride               | ND         |      | ug/m <sup>3</sup> | 1.7                | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 12:38      | VH      |
| 75-27-4  | Bromodichloromethane          | ND         |      | ug/m <sup>3</sup> | 1.1                | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 12:38      | VH      |
| 75-25-2  | Bromoform                     | ND         |      | ug/m <sup>3</sup> | 1.7                | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 12:38      | VH      |
| 74-83-9  | Bromomethane                  | ND         |      | ug/m <sup>3</sup> | 0.63               | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 12:38      | VH      |
| 75-15-0  | Carbon disulfide              | ND         |      | ug/m <sup>3</sup> | 0.51               | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 12:38      | VH      |
| 56-23-5  | Carbon tetrachloride          | ND         |      | ug/m <sup>3</sup> | 0.26               | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 12:38      | VH      |



## Sample Information

**Client Sample ID:** SV-7

**York Sample ID:** 23A0464-07

York Project (SDG) No.  
23A0464

Client Project ID  
21003-0004

Matrix  
Soil Vapor

Collection Date/Time  
January 10, 2023 12:58 pm

Date Received  
01/10/2023

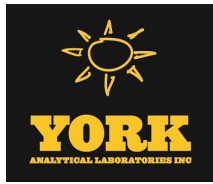
### Volatile Organics, EPA TO15 Full List

### 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 |
|-------------|--------------------------------|-------------|----------------------|-------------------|-----------------|----------|---------------------------------------------------------|--------------------|--------------------|---------|
| 108-90-7    | Chlorobenzene                  | ND          |                      | ug/m <sup>3</sup> | 0.75            | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 12:38   | VH      |
| 75-00-3     | Chloroethane                   | ND          |                      | ug/m <sup>3</sup> | 0.43            | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 12:38   | VH      |
| 67-66-3     | Chloroform                     | ND          |                      | ug/m <sup>3</sup> | 0.80            | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 12:38   | VH      |
| 74-87-3     | Chloromethane                  | ND          |                      | ug/m <sup>3</sup> | 0.34            | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 12:38   | VH      |
| 156-59-2    | cis-1,2-Dichloroethylene       | ND          |                      | ug/m <sup>3</sup> | 0.16            | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 12:38   | VH      |
| 10061-01-5  | cis-1,3-Dichloropropylene      | ND          |                      | ug/m <sup>3</sup> | 0.74            | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 12:38   | VH      |
| 110-82-7    | Cyclohexane                    | ND          |                      | ug/m <sup>3</sup> | 0.56            | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 12:38   | VH      |
| 124-48-1    | Dibromochloromethane           | ND          |                      | ug/m <sup>3</sup> | 1.4             | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 12:38   | VH      |
| 75-71-8     | <b>Dichlorodifluoromethane</b> | <b>2.7</b>  | TO-LCS<br>-H         | ug/m <sup>3</sup> | 0.81            | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 12:38   | VH      |
| 141-78-6    | * Ethyl acetate                | ND          |                      | ug/m <sup>3</sup> | 1.2             | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 12:38   | VH      |
| 100-41-4    | <b>Ethyl Benzene</b>           | <b>1.3</b>  |                      | ug/m <sup>3</sup> | 0.71            | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 12:38   | VH      |
| 87-68-3     | Hexachlorobutadiene            | ND          | CAL-E,<br>TO-CC<br>V | ug/m <sup>3</sup> | 1.7             | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 12:38   | VH      |
| 67-63-0     | <b>Isopropanol</b>             | <b>1.3</b>  |                      | ug/m <sup>3</sup> | 0.80            | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 12:38   | VH      |
| 80-62-6     | Methyl Methacrylate            | ND          |                      | ug/m <sup>3</sup> | 0.67            | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 12:38   | VH      |
| 1634-04-4   | Methyl tert-butyl ether (MTBE) | ND          |                      | ug/m <sup>3</sup> | 0.59            | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 12:38   | VH      |
| 75-09-2     | Methylene chloride             | ND          |                      | ug/m <sup>3</sup> | 1.1             | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 12:38   | VH      |
| 142-82-5    | n-Heptane                      | ND          |                      | ug/m <sup>3</sup> | 0.67            | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 12:38   | VH      |
| 110-54-3    | n-Hexane                       | ND          |                      | ug/m <sup>3</sup> | 0.58            | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 12:38   | VH      |
| 95-47-6     | <b>o-Xylene</b>                | <b>1.3</b>  |                      | ug/m <sup>3</sup> | 0.71            | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 12:38   | VH      |
| 179601-23-1 | <b>p- &amp; m- Xylenes</b>     | <b>3.4</b>  |                      | ug/m <sup>3</sup> | 1.4             | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 12:38   | VH      |
| 622-96-8    | * p-Ethyltoluene               | ND          |                      | ug/m <sup>3</sup> | 0.80            | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 12:38   | VH      |
| 115-07-1    | <b>* Propylene</b>             | <b>0.93</b> |                      | ug/m <sup>3</sup> | 0.28            | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 12:38   | VH      |
| 100-42-5    | Styrene                        | ND          |                      | ug/m <sup>3</sup> | 0.70            | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00   | 01/12/2023 12:38   | VH      |



## Sample Information

**Client Sample ID:** SV-7

**York Sample ID:** 23A0464-07

York Project (SDG) No.

23A0464

Client Project ID

21003-0004

Matrix

Soil Vapor

Collection Date/Time

January 10, 2023 12:58 pm

Date Received

01/10/2023

### 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<br>LOQ | Dilution | Reference Method                                        | Date/Time<br>Prepared | Date/Time<br>Analyzed | Analyst |
|------------|------------------------------------------|------------|------|-------------------|--------------------|----------|---------------------------------------------------------|-----------------------|-----------------------|---------|
| 127-18-4   | <b>Tetrachloroethylene</b>               | <b>30</b>  |      | ug/m <sup>3</sup> | 1.1                | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 12:38      | VH      |
| 109-99-9   | * Tetrahydrofuran                        | ND         |      | ug/m <sup>3</sup> | 0.96               | 1.633    | EPA TO-15<br>Certifications:                            | 01/11/2023 12:00      | 01/12/2023 12:38      | VH      |
| 108-88-3   | <b>Toluene</b>                           | <b>1.6</b> |      | ug/m <sup>3</sup> | 0.62               | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 12:38      | VH      |
| 156-60-5   | trans-1,2-Dichloroethylene               | ND         |      | ug/m <sup>3</sup> | 0.65               | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 12:38      | VH      |
| 10061-02-6 | trans-1,3-Dichloropropylene              | ND         |      | ug/m <sup>3</sup> | 0.74               | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 12:38      | VH      |
| 79-01-6    | Trichloroethylene                        | ND         |      | ug/m <sup>3</sup> | 0.22               | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 12:38      | VH      |
| 75-69-4    | <b>Trichlorofluoromethane (Freon 11)</b> | <b>1.1</b> |      | ug/m <sup>3</sup> | 0.92               | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 12:38      | VH      |
| 108-05-4   | Vinyl acetate                            | ND         |      | ug/m <sup>3</sup> | 0.57               | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 12:38      | VH      |
| 593-60-2   | Vinyl bromide                            | ND         |      | ug/m <sup>3</sup> | 0.71               | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 12:38      | VH      |
| 75-01-4    | Vinyl Chloride                           | ND         |      | ug/m <sup>3</sup> | 0.21               | 1.633    | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 01/11/2023 12:00      | 01/12/2023 12:38      | VH      |





## Analytical Batch Summary

**Batch ID:** BA30519

**Preparation Method:** EPA TO15 PREP

**Prepared By:** VH

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 23A0464-01     | SV-1             | 01/11/23         |
| 23A0464-02     | SV-2             | 01/11/23         |
| 23A0464-03     | SV-3             | 01/11/23         |
| 23A0464-05     | SV-5             | 01/11/23         |
| 23A0464-06     | SV-6             | 01/11/23         |
| 23A0464-07     | SV-7             | 01/11/23         |
| BA30519-BLK1   | Blank            | 01/11/23         |
| BA30519-BS1    | LCS              | 01/11/23         |
| BA30519-DUP1   | Duplicate        | 01/11/23         |

**Batch ID:** BA30592

**Preparation Method:** EPA TO15 PREP

**Prepared By:** VH

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 23A0464-04     | SV-4             | 01/12/23         |
| BA30592-BLK1   | Blank            | 01/12/23         |
| BA30592-BS1    | LCS              | 01/12/23         |
| BA30592-DUP1   | Duplicate        | 01/12/23         |



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

### York Analytical Laboratories, Inc. - Stratford

| Analyte                                           | Result | Reporting<br>Limit | Units             | Spike<br>Level | Source*<br>Result | %REC | %REC<br>Limits | Flag | RPD | RPD<br>Limit                    | Flag |
|---------------------------------------------------|--------|--------------------|-------------------|----------------|-------------------|------|----------------|------|-----|---------------------------------|------|
| <b>Batch BA30519 - EPA TO15 PREP</b>              |        |                    |                   |                |                   |      |                |      |     |                                 |      |
| <b>Blank (BA30519-BLK1)</b>                       |        |                    |                   |                |                   |      |                |      |     | Prepared & Analyzed: 01/11/2023 |      |
| 1,1,1,2-Tetrachloroethane                         | ND     | 0.69               | ug/m <sup>3</sup> |                |                   |      |                |      |     |                                 |      |
| 1,1,1-Trichloroethane                             | ND     | 0.55               | "                 |                |                   |      |                |      |     |                                 |      |
| 1,1,2,2-Tetrachloroethane                         | ND     | 0.69               | "                 |                |                   |      |                |      |     |                                 |      |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND     | 0.77               | "                 |                |                   |      |                |      |     |                                 |      |
| 1,1,2-Trichloroethane                             | ND     | 0.55               | "                 |                |                   |      |                |      |     |                                 |      |
| 1,1-Dichloroethane                                | ND     | 0.40               | "                 |                |                   |      |                |      |     |                                 |      |
| 1,1-Dichloroethylene                              | ND     | 0.099              | "                 |                |                   |      |                |      |     |                                 |      |
| 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     | 0.099              | "                 |                |                   |      |                |      |     |                                 |      |
| 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               | "                 |                |                   |      |                |      |     |                                 |      |



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

### York Analytical Laboratories, Inc. - Stratford

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

#### Batch BA30519 - EPA TO15 PREP

##### Blank (BA30519-BLK1)

Prepared & Analyzed: 01/11/2023

|                                   |    |      |                   |
|-----------------------------------|----|------|-------------------|
| n-Heptane                         | ND | 0.41 | ug/m <sup>3</sup> |
| n-Hexane                          | ND | 0.35 | "                 |
| o-Xylene                          | ND | 0.43 | "                 |
| p- & m- Xylenes                   | ND | 0.87 | "                 |
| p-Ethyltoluene                    | ND | 0.49 | "                 |
| Propylene                         | ND | 0.17 | "                 |
| Styrene                           | ND | 0.43 | "                 |
| Tetrachloroethylene               | ND | 0.68 | "                 |
| 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 | 0.13 | "                 |

##### LCS (BA30519-BS1)

Prepared & Analyzed: 01/11/2023

|                                                   |      |      |      |      |        |           |
|---------------------------------------------------|------|------|------|------|--------|-----------|
| 1,1,1,2-Tetrachloroethane                         | 11.1 | ppbv | 10.0 | 111  | 70-130 |           |
| 1,1,1-Trichloroethane                             | 12.4 | "    | 10.0 | 124  | 70-130 |           |
| 1,1,2,2-Tetrachloroethane                         | 10.9 | "    | 10.0 | 109  | 70-130 |           |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 11.3 | "    | 10.0 | 113  | 70-130 |           |
| 1,1,2-Trichloroethane                             | 11.2 | "    | 10.0 | 112  | 70-130 |           |
| 1,1-Dichloroethane                                | 11.1 | "    | 10.0 | 111  | 70-130 |           |
| 1,1-Dichloroethylene                              | 12.5 | "    | 10.0 | 125  | 70-130 |           |
| 1,2,4-Trichlorobenzene                            | 8.79 | "    | 10.0 | 87.9 | 70-130 |           |
| 1,2,4-Trimethylbenzene                            | 10.5 | "    | 10.0 | 105  | 70-130 |           |
| 1,2-Dibromoethane                                 | 11.0 | "    | 10.0 | 110  | 70-130 |           |
| 1,2-Dichlorobenzene                               | 10.1 | "    | 10.0 | 101  | 70-130 |           |
| 1,2-Dichloroethane                                | 12.5 | "    | 10.0 | 125  | 70-130 |           |
| 1,2-Dichloropropane                               | 12.7 | "    | 10.0 | 127  | 70-130 |           |
| 1,2-Dichlorotetrafluoroethane                     | 12.8 | "    | 10.0 | 128  | 70-130 |           |
| 1,3,5-Trimethylbenzene                            | 10.3 | "    | 10.0 | 103  | 70-130 |           |
| 1,3-Butadiene                                     | 12.5 | "    | 10.0 | 125  | 70-130 |           |
| 1,3-Dichlorobenzene                               | 10.4 | "    | 10.0 | 104  | 70-130 |           |
| 1,3-Dichloropropane                               | 12.4 | "    | 10.0 | 124  | 70-130 |           |
| 1,4-Dichlorobenzene                               | 10.1 | "    | 10.0 | 101  | 70-130 |           |
| 1,4-Dioxane                                       | 10.7 | "    | 10.0 | 107  | 70-130 |           |
| 2-Butanone                                        | 11.9 | "    | 10.0 | 119  | 70-130 |           |
| 2-Hexanone                                        | 10.2 | "    | 10.0 | 102  | 70-130 |           |
| 3-Chloropropene                                   | 13.1 | "    | 10.0 | 131  | 70-130 | High Bias |
| 4-Methyl-2-pentanone                              | 10.6 | "    | 10.0 | 106  | 70-130 |           |
| Acetone                                           | 10.6 | "    | 10.0 | 106  | 70-130 |           |
| Acrylonitrile                                     | 12.4 | "    | 10.0 | 124  | 70-130 |           |
| Benzene                                           | 12.5 | "    | 10.0 | 125  | 70-130 |           |
| Benzyl chloride                                   | 9.74 | "    | 10.0 | 97.4 | 70-130 |           |
| Bromodichloromethane                              | 12.6 | "    | 10.0 | 126  | 70-130 |           |
| Bromoform                                         | 9.55 | "    | 10.0 | 95.5 | 70-130 |           |
| Bromomethane                                      | 9.31 | "    | 10.0 | 93.1 | 70-130 |           |
| Carbon disulfide                                  | 10.8 | "    | 10.0 | 108  | 70-130 |           |



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

### York Analytical Laboratories, Inc. - Stratford

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source*<br>Result | %REC | %REC<br>Limits | Flag | RPD | RPD<br>Limit | Flag |
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|

#### Batch BA30519 - EPA TO15 PREP

##### LCS (BA30519-BS1)

Prepared & Analyzed: 01/11/2023

|                                   |      |  |      |      |  |      |        |           |  |  |  |
|-----------------------------------|------|--|------|------|--|------|--------|-----------|--|--|--|
| Carbon tetrachloride              | 12.8 |  | ppbv | 10.0 |  | 128  | 70-130 |           |  |  |  |
| Chlorobenzene                     | 10.8 |  | "    | 10.0 |  | 108  | 70-130 |           |  |  |  |
| Chloroethane                      | 10.2 |  | "    | 10.0 |  | 102  | 70-130 |           |  |  |  |
| Chloroform                        | 11.7 |  | "    | 10.0 |  | 117  | 70-130 |           |  |  |  |
| Chloromethane                     | 12.3 |  | "    | 10.0 |  | 123  | 70-130 |           |  |  |  |
| cis-1,2-Dichloroethylene          | 12.9 |  | "    | 10.0 |  | 129  | 70-130 |           |  |  |  |
| cis-1,3-Dichloropropylene         | 11.5 |  | "    | 10.0 |  | 115  | 70-130 |           |  |  |  |
| Cyclohexane                       | 10.9 |  | "    | 10.0 |  | 109  | 70-130 |           |  |  |  |
| Dibromochloromethane              | 11.4 |  | "    | 10.0 |  | 114  | 70-130 |           |  |  |  |
| Dichlorodifluoromethane           | 13.2 |  | "    | 10.0 |  | 132  | 70-130 | High Bias |  |  |  |
| Ethyl acetate                     | 12.1 |  | "    | 10.0 |  | 121  | 70-130 |           |  |  |  |
| Ethyl Benzene                     | 12.4 |  | "    | 10.0 |  | 124  | 70-130 |           |  |  |  |
| Hexachlorobutadiene               | 7.08 |  | "    | 10.0 |  | 70.8 | 70-130 |           |  |  |  |
| Isopropanol                       | 9.57 |  | "    | 10.0 |  | 95.7 | 70-130 |           |  |  |  |
| Methyl Methacrylate               | 10.3 |  | "    | 10.0 |  | 103  | 70-130 |           |  |  |  |
| Methyl tert-butyl ether (MTBE)    | 13.2 |  | "    | 10.0 |  | 132  | 70-130 | High Bias |  |  |  |
| Methylene chloride                | 10.1 |  | "    | 10.0 |  | 101  | 70-130 |           |  |  |  |
| n-Heptane                         | 10.9 |  | "    | 10.0 |  | 109  | 70-130 |           |  |  |  |
| n-Hexane                          | 10.8 |  | "    | 10.0 |  | 108  | 70-130 |           |  |  |  |
| o-Xylene                          | 10.1 |  | "    | 10.0 |  | 101  | 70-130 |           |  |  |  |
| p- & m- Xylenes                   | 19.8 |  | "    | 20.0 |  | 99.2 | 70-130 |           |  |  |  |
| p-Ethyltoluene                    | 10.6 |  | "    | 10.0 |  | 106  | 70-130 |           |  |  |  |
| Propylene                         | 12.8 |  | "    | 10.0 |  | 128  | 70-130 |           |  |  |  |
| Styrene                           | 9.61 |  | "    | 10.0 |  | 96.1 | 70-130 |           |  |  |  |
| Tetrachloroethylene               | 12.0 |  | "    | 10.0 |  | 120  | 70-130 |           |  |  |  |
| Tetrahydrofuran                   | 12.2 |  | "    | 10.0 |  | 122  | 70-130 |           |  |  |  |
| Toluene                           | 10.9 |  | "    | 10.0 |  | 109  | 70-130 |           |  |  |  |
| trans-1,2-Dichloroethylene        | 12.0 |  | "    | 10.0 |  | 120  | 70-130 |           |  |  |  |
| trans-1,3-Dichloropropylene       | 11.6 |  | "    | 10.0 |  | 116  | 70-130 |           |  |  |  |
| Trichloroethylene                 | 11.5 |  | "    | 10.0 |  | 115  | 70-130 |           |  |  |  |
| Trichlorofluoromethane (Freon 11) | 12.3 |  | "    | 10.0 |  | 123  | 70-130 |           |  |  |  |
| Vinyl acetate                     | 10.4 |  | "    | 10.0 |  | 104  | 70-130 |           |  |  |  |
| Vinyl bromide                     | 12.2 |  | "    | 10.0 |  | 122  | 70-130 |           |  |  |  |
| Vinyl Chloride                    | 13.9 |  | "    | 10.0 |  | 139  | 70-130 | High Bias |  |  |  |



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

### York Analytical Laboratories, Inc. - Stratford

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

#### Batch BA30519 - EPA TO15 PREP

|                                                   |                                          |      |                   |  |                                                  |  |  |  |      |    |  |
|---------------------------------------------------|------------------------------------------|------|-------------------|--|--------------------------------------------------|--|--|--|------|----|--|
| <b>Duplicate (BA30519-DUP1)</b>                   | <b>*Source sample: 23A0464-02 (SV-2)</b> |      |                   |  | <b>Prepared: 01/11/2023 Analyzed: 01/13/2023</b> |  |  |  |      |    |  |
| 1,1,1,2-Tetrachloroethane                         | ND                                       | 3.9  | ug/m <sup>3</sup> |  | ND                                               |  |  |  |      | 25 |  |
| 1,1,1-Trichloroethane                             | ND                                       | 3.1  | "                 |  | ND                                               |  |  |  |      | 25 |  |
| 1,1,2,2-Tetrachloroethane                         | ND                                       | 3.9  | "                 |  | ND                                               |  |  |  |      | 25 |  |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND                                       | 4.3  | "                 |  | ND                                               |  |  |  |      | 25 |  |
| 1,1,2-Trichloroethane                             | ND                                       | 3.1  | "                 |  | ND                                               |  |  |  |      | 25 |  |
| 1,1-Dichloroethane                                | ND                                       | 2.3  | "                 |  | ND                                               |  |  |  |      | 25 |  |
| 1,1-Dichloroethylene                              | ND                                       | 0.56 | "                 |  | ND                                               |  |  |  |      | 25 |  |
| 1,2,4-Trichlorobenzene                            | ND                                       | 4.2  | "                 |  | ND                                               |  |  |  |      | 25 |  |
| 1,2,4-Trimethylbenzene                            | ND                                       | 2.8  | "                 |  | ND                                               |  |  |  |      | 25 |  |
| 1,2-Dibromoethane                                 | ND                                       | 4.3  | "                 |  | ND                                               |  |  |  |      | 25 |  |
| 1,2-Dichlorobenzene                               | ND                                       | 3.4  | "                 |  | ND                                               |  |  |  |      | 25 |  |
| 1,2-Dichloroethane                                | ND                                       | 2.3  | "                 |  | ND                                               |  |  |  |      | 25 |  |
| 1,2-Dichloropropane                               | ND                                       | 2.6  | "                 |  | ND                                               |  |  |  |      | 25 |  |
| 1,2-Dichlorotetrafluoroethane                     | ND                                       | 3.9  | "                 |  | ND                                               |  |  |  |      | 25 |  |
| 1,3,5-Trimethylbenzene                            | ND                                       | 2.8  | "                 |  | ND                                               |  |  |  |      | 25 |  |
| 1,3-Butadiene                                     | ND                                       | 3.7  | "                 |  | ND                                               |  |  |  |      | 25 |  |
| 1,3-Dichlorobenzene                               | ND                                       | 3.4  | "                 |  | ND                                               |  |  |  |      | 25 |  |
| 1,3-Dichloropropane                               | ND                                       | 2.6  | "                 |  | ND                                               |  |  |  |      | 25 |  |
| 1,4-Dichlorobenzene                               | ND                                       | 3.4  | "                 |  | ND                                               |  |  |  |      | 25 |  |
| 1,4-Dioxane                                       | ND                                       | 4.1  | "                 |  | ND                                               |  |  |  |      | 25 |  |
| 2-Butanone                                        | 16                                       | 1.7  | "                 |  | 15                                               |  |  |  | 5.41 | 25 |  |
| 2-Hexanone                                        | ND                                       | 4.6  | "                 |  | ND                                               |  |  |  |      | 25 |  |
| 3-Chloropropene                                   | ND                                       | 8.8  | "                 |  | ND                                               |  |  |  |      | 25 |  |
| 4-Methyl-2-pentanone                              | 5.1                                      | 2.3  | "                 |  | 5.1                                              |  |  |  | 0.00 | 25 |  |
| Acetone                                           | 430                                      | 2.7  | "                 |  | 410                                              |  |  |  | 4.01 | 25 |  |
| Acrylonitrile                                     | ND                                       | 1.2  | "                 |  | ND                                               |  |  |  |      | 25 |  |
| Benzene                                           | ND                                       | 1.8  | "                 |  | ND                                               |  |  |  |      | 25 |  |
| Benzyl chloride                                   | ND                                       | 2.9  | "                 |  | ND                                               |  |  |  |      | 25 |  |
| Bromodichloromethane                              | ND                                       | 3.8  | "                 |  | ND                                               |  |  |  |      | 25 |  |
| Bromoform                                         | ND                                       | 5.8  | "                 |  | ND                                               |  |  |  |      | 25 |  |
| Bromomethane                                      | ND                                       | 2.2  | "                 |  | ND                                               |  |  |  |      | 25 |  |
| Carbon disulfide                                  | ND                                       | 1.8  | "                 |  | ND                                               |  |  |  |      | 25 |  |
| Carbon tetrachloride                              | ND                                       | 0.88 | "                 |  | ND                                               |  |  |  |      | 25 |  |
| Chlorobenzene                                     | ND                                       | 2.6  | "                 |  | ND                                               |  |  |  |      | 25 |  |
| Chloroethane                                      | ND                                       | 1.5  | "                 |  | ND                                               |  |  |  |      | 25 |  |
| Chloroform                                        | ND                                       | 2.7  | "                 |  | ND                                               |  |  |  |      | 25 |  |
| Chloromethane                                     | ND                                       | 1.2  | "                 |  | ND                                               |  |  |  |      | 25 |  |
| cis-1,2-Dichloroethylene                          | ND                                       | 0.56 | "                 |  | ND                                               |  |  |  |      | 25 |  |
| cis-1,3-Dichloropropylene                         | ND                                       | 2.6  | "                 |  | ND                                               |  |  |  |      | 25 |  |
| Cyclohexane                                       | ND                                       | 1.9  | "                 |  | ND                                               |  |  |  |      | 25 |  |
| Dibromochloromethane                              | ND                                       | 4.8  | "                 |  | ND                                               |  |  |  |      | 25 |  |
| Dichlorodifluoromethane                           | ND                                       | 2.8  | "                 |  | ND                                               |  |  |  |      | 25 |  |
| Ethyl acetate                                     | ND                                       | 4.1  | "                 |  | ND                                               |  |  |  |      | 25 |  |
| Ethyl Benzene                                     | 3.4                                      | 2.4  | "                 |  | 3.4                                              |  |  |  | 0.00 | 25 |  |
| Hexachlorobutadiene                               | ND                                       | 6.0  | "                 |  | ND                                               |  |  |  |      | 25 |  |
| Isopropanol                                       | ND                                       | 2.8  | "                 |  | 4.3                                              |  |  |  |      | 25 |  |
| Methyl Methacrylate                               | ND                                       | 2.3  | "                 |  | ND                                               |  |  |  |      | 25 |  |
| Methyl tert-butyl ether (MTBE)                    | ND                                       | 2.0  | "                 |  | ND                                               |  |  |  |      | 25 |  |
| Methylene chloride                                | 1.6                                      | 3.9  | "                 |  | 1.6                                              |  |  |  | 0.00 | 25 |  |
| n-Heptane                                         | 2.8                                      | 2.3  | "                 |  | 2.8                                              |  |  |  | 0.00 | 25 |  |



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

### York Analytical Laboratories, Inc. - Stratford

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

#### Batch BA30519 - EPA TO15 PREP

|                                   |     |                                   |                   |  |     |                                           |  |  |      |    |  |
|-----------------------------------|-----|-----------------------------------|-------------------|--|-----|-------------------------------------------|--|--|------|----|--|
| <b>Duplicate (BA30519-DUP1)</b>   |     | *Source sample: 23A0464-02 (SV-2) |                   |  |     | Prepared: 01/11/2023 Analyzed: 01/13/2023 |  |  |      |    |  |
| n-Hexane                          | ND  | 2.0                               | ug/m <sup>3</sup> |  | ND  |                                           |  |  |      | 25 |  |
| o-Xylene                          | 2.4 | 2.4                               | "                 |  | 2.4 |                                           |  |  | 0.00 | 25 |  |
| p- & m- Xylenes                   | 7.6 | 4.9                               | "                 |  | 7.3 |                                           |  |  | 3.28 | 25 |  |
| p-Ethyltoluene                    | ND  | 2.8                               | "                 |  | ND  |                                           |  |  |      | 25 |  |
| Propylene                         | 8.2 | 0.97                              | "                 |  | 7.2 |                                           |  |  | 13.8 | 25 |  |
| Styrene                           | ND  | 2.4                               | "                 |  | ND  |                                           |  |  |      | 25 |  |
| Tetrachloroethylene               | 6.5 | 3.8                               | "                 |  | 6.1 |                                           |  |  | 6.06 | 25 |  |
| Tetrahydrofuran                   | ND  | 3.3                               | "                 |  | ND  |                                           |  |  |      | 25 |  |
| Toluene                           | 7.8 | 2.1                               | "                 |  | 7.8 |                                           |  |  | 0.00 | 25 |  |
| trans-1,2-Dichloroethylene        | ND  | 2.2                               | "                 |  | ND  |                                           |  |  |      | 25 |  |
| trans-1,3-Dichloropropylene       | ND  | 2.6                               | "                 |  | ND  |                                           |  |  |      | 25 |  |
| Trichloroethylene                 | ND  | 0.76                              | "                 |  | ND  |                                           |  |  |      | 25 |  |
| Trichlorofluoromethane (Freon 11) | 2.8 | 3.2                               | "                 |  | 2.5 |                                           |  |  | 11.8 | 25 |  |
| Vinyl acetate                     | ND  | 2.0                               | "                 |  | ND  |                                           |  |  |      | 25 |  |
| Vinyl bromide                     | ND  | 2.5                               | "                 |  | ND  |                                           |  |  |      | 25 |  |
| Vinyl Chloride                    | ND  | 0.72                              | "                 |  | ND  |                                           |  |  |      | 25 |  |

#### Batch BA30592 - EPA TO15 PREP

|                                                   |    |                                           |                   |  |  |  |  |  |  |  |  |
|---------------------------------------------------|----|-------------------------------------------|-------------------|--|--|--|--|--|--|--|--|
| <b>Blank (BA30592-BLK1)</b>                       |    | Prepared: 01/12/2023 Analyzed: 01/13/2023 |                   |  |  |  |  |  |  |  |  |
| 1,1,1,2-Tetrachloroethane                         | ND | 0.69                                      | ug/m <sup>3</sup> |  |  |  |  |  |  |  |  |
| 1,1,1-Trichloroethane                             | ND | 0.55                                      | "                 |  |  |  |  |  |  |  |  |
| 1,1,2,2-Tetrachloroethane                         | ND | 0.69                                      | "                 |  |  |  |  |  |  |  |  |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | 0.77                                      | "                 |  |  |  |  |  |  |  |  |
| 1,1,2-Trichloroethane                             | ND | 0.55                                      | "                 |  |  |  |  |  |  |  |  |
| 1,1-Dichloroethane                                | ND | 0.40                                      | "                 |  |  |  |  |  |  |  |  |
| 1,1-Dichloroethylene                              | ND | 0.099                                     | "                 |  |  |  |  |  |  |  |  |
| 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                                      | "                 |  |  |  |  |  |  |  |  |



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

### York Analytical Laboratories, Inc. - Stratford

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source*<br>Result | %REC | %REC<br>Limits | Flag | RPD | RPD<br>Limit | Flag |
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|

#### Batch BA30592 - EPA TO15 PREP

##### Blank (BA30592-BLK1)

Prepared: 01/12/2023 Analyzed: 01/13/2023

|                                   |      |       |                   |
|-----------------------------------|------|-------|-------------------|
| Carbon disulfide                  | ND   | 0.31  | ug/m <sup>3</sup> |
| 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   | 0.099 | "                 |
| 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                       | 0.54 | 0.49  | "                 |
| Methyl Methacrylate               | ND   | 0.41  | "                 |
| Methyl tert-butyl ether (MTBE)    | ND   | 0.36  | "                 |
| Methylene chloride                | ND   | 0.69  | "                 |
| n-Heptane                         | ND   | 0.41  | "                 |
| 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   | 0.68  | "                 |
| 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   | 0.13  | "                 |



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

### York Analytical Laboratories, Inc. - Stratford

| Analyte                                           | Result | Reporting Limit | Units | Spike Level | Source* Result | %REC                            | %REC Limits | Flag     | RPD | RPD Limit | Flag |
|---------------------------------------------------|--------|-----------------|-------|-------------|----------------|---------------------------------|-------------|----------|-----|-----------|------|
| <b>Batch BA30592 - EPA TO15 PREP</b>              |        |                 |       |             |                |                                 |             |          |     |           |      |
| <b>LCS (BA30592-BS1)</b>                          |        |                 |       |             |                | Prepared & Analyzed: 01/12/2023 |             |          |     |           |      |
| 1,1,1,2-Tetrachloroethane                         | 10.0   |                 | ppbv  | 10.0        |                | 100                             | 70-130      |          |     |           |      |
| 1,1,1-Trichloroethane                             | 11.2   |                 | "     | 10.0        |                | 112                             | 70-130      |          |     |           |      |
| 1,1,2,2-Tetrachloroethane                         | 9.84   |                 | "     | 10.0        |                | 98.4                            | 70-130      |          |     |           |      |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 10.3   |                 | "     | 10.0        |                | 103                             | 70-130      |          |     |           |      |
| 1,1,2-Trichloroethane                             | 9.62   |                 | "     | 10.0        |                | 96.2                            | 70-130      |          |     |           |      |
| 1,1-Dichloroethane                                | 9.87   |                 | "     | 10.0        |                | 98.7                            | 70-130      |          |     |           |      |
| 1,1-Dichloroethylene                              | 11.3   |                 | "     | 10.0        |                | 113                             | 70-130      |          |     |           |      |
| 1,2,4-Trichlorobenzene                            | 7.80   |                 | "     | 10.0        |                | 78.0                            | 70-130      |          |     |           |      |
| 1,2,4-Trimethylbenzene                            | 9.67   |                 | "     | 10.0        |                | 96.7                            | 70-130      |          |     |           |      |
| 1,2-Dibromoethane                                 | 9.72   |                 | "     | 10.0        |                | 97.2                            | 70-130      |          |     |           |      |
| 1,2-Dichlorobenzene                               | 9.30   |                 | "     | 10.0        |                | 93.0                            | 70-130      |          |     |           |      |
| 1,2-Dichloroethane                                | 11.2   |                 | "     | 10.0        |                | 112                             | 70-130      |          |     |           |      |
| 1,2-Dichloropropane                               | 10.8   |                 | "     | 10.0        |                | 108                             | 70-130      |          |     |           |      |
| 1,2-Dichlorotetrafluoroethane                     | 11.9   |                 | "     | 10.0        |                | 119                             | 70-130      |          |     |           |      |
| 1,3,5-Trimethylbenzene                            | 9.57   |                 | "     | 10.0        |                | 95.7                            | 70-130      |          |     |           |      |
| 1,3-Butadiene                                     | 11.3   |                 | "     | 10.0        |                | 113                             | 70-130      |          |     |           |      |
| 1,3-Dichlorobenzene                               | 9.70   |                 | "     | 10.0        |                | 97.0                            | 70-130      |          |     |           |      |
| 1,3-Dichloropropane                               | 10.9   |                 | "     | 10.0        |                | 109                             | 70-130      |          |     |           |      |
| 1,4-Dichlorobenzene                               | 9.39   |                 | "     | 10.0        |                | 93.9                            | 70-130      |          |     |           |      |
| 1,4-Dioxane                                       | 9.47   |                 | "     | 10.0        |                | 94.7                            | 70-130      |          |     |           |      |
| 2-Butanone                                        | 10.6   |                 | "     | 10.0        |                | 106                             | 70-130      |          |     |           |      |
| 2-Hexanone                                        | 8.59   |                 | "     | 10.0        |                | 85.9                            | 70-130      |          |     |           |      |
| 3-Chloropropene                                   | 11.5   |                 | "     | 10.0        |                | 115                             | 70-130      |          |     |           |      |
| 4-Methyl-2-pentanone                              | 9.16   |                 | "     | 10.0        |                | 91.6                            | 70-130      |          |     |           |      |
| Acetone                                           | 9.60   |                 | "     | 10.0        |                | 96.0                            | 70-130      |          |     |           |      |
| Acrylonitrile                                     | 10.9   |                 | "     | 10.0        |                | 109                             | 70-130      |          |     |           |      |
| Benzene                                           | 11.1   |                 | "     | 10.0        |                | 111                             | 70-130      |          |     |           |      |
| Benzyl chloride                                   | 8.74   |                 | "     | 10.0        |                | 87.4                            | 70-130      |          |     |           |      |
| Bromodichloromethane                              | 11.0   |                 | "     | 10.0        |                | 110                             | 70-130      |          |     |           |      |
| Bromoform                                         | 8.88   |                 | "     | 10.0        |                | 88.8                            | 70-130      |          |     |           |      |
| Bromomethane                                      | 8.69   |                 | "     | 10.0        |                | 86.9                            | 70-130      |          |     |           |      |
| Carbon disulfide                                  | 9.72   |                 | "     | 10.0        |                | 97.2                            | 70-130      |          |     |           |      |
| Carbon tetrachloride                              | 11.5   |                 | "     | 10.0        |                | 115                             | 70-130      |          |     |           |      |
| Chlorobenzene                                     | 9.72   |                 | "     | 10.0        |                | 97.2                            | 70-130      |          |     |           |      |
| Chloroethane                                      | 8.96   |                 | "     | 10.0        |                | 89.6                            | 70-130      |          |     |           |      |
| Chloroform                                        | 10.5   |                 | "     | 10.0        |                | 105                             | 70-130      |          |     |           |      |
| Chloromethane                                     | 11.4   |                 | "     | 10.0        |                | 114                             | 70-130      |          |     |           |      |
| cis-1,2-Dichloroethylene                          | 11.5   |                 | "     | 10.0        |                | 115                             | 70-130      |          |     |           |      |
| cis-1,3-Dichloropropylene                         | 10.0   |                 | "     | 10.0        |                | 100                             | 70-130      |          |     |           |      |
| Cyclohexane                                       | 9.79   |                 | "     | 10.0        |                | 97.9                            | 70-130      |          |     |           |      |
| Dibromochloromethane                              | 10.0   |                 | "     | 10.0        |                | 100                             | 70-130      |          |     |           |      |
| Dichlorodifluoromethane                           | 11.8   |                 | "     | 10.0        |                | 118                             | 70-130      |          |     |           |      |
| Ethyl acetate                                     | 10.8   |                 | "     | 10.0        |                | 108                             | 70-130      |          |     |           |      |
| Ethyl Benzene                                     | 11.2   |                 | "     | 10.0        |                | 112                             | 70-130      |          |     |           |      |
| Hexachlorobutadiene                               | 6.03   |                 | "     | 10.0        |                | 60.3                            | 70-130      | Low Bias |     |           |      |
| Isopropanol                                       | 8.54   |                 | "     | 10.0        |                | 85.4                            | 70-130      |          |     |           |      |
| Methyl Methacrylate                               | 8.70   |                 | "     | 10.0        |                | 87.0                            | 70-130      |          |     |           |      |
| Methyl tert-butyl ether (MTBE)                    | 11.8   |                 | "     | 10.0        |                | 118                             | 70-130      |          |     |           |      |
| Methylene chloride                                | 9.03   |                 | "     | 10.0        |                | 90.3                            | 70-130      |          |     |           |      |
| n-Heptane                                         | 9.49   |                 | "     | 10.0        |                | 94.9                            | 70-130      |          |     |           |      |





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

### York Analytical Laboratories, Inc. - Stratford

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

#### Batch BA30592 - EPA TO15 PREP

##### LCS (BA30592-BS1)

Prepared & Analyzed: 01/12/2023

|                                   |      |  |      |      |  |      |        |  |  |  |  |
|-----------------------------------|------|--|------|------|--|------|--------|--|--|--|--|
| n-Hexane                          | 9.65 |  | ppbv | 10.0 |  | 96.5 | 70-130 |  |  |  |  |
| o-Xylene                          | 9.29 |  | "    | 10.0 |  | 92.9 | 70-130 |  |  |  |  |
| p- & m- Xylenes                   | 18.5 |  | "    | 20.0 |  | 92.5 | 70-130 |  |  |  |  |
| p-Ethyltoluene                    | 9.76 |  | "    | 10.0 |  | 97.6 | 70-130 |  |  |  |  |
| Propylene                         | 11.5 |  | "    | 10.0 |  | 115  | 70-130 |  |  |  |  |
| Styrene                           | 8.83 |  | "    | 10.0 |  | 88.3 | 70-130 |  |  |  |  |
| Tetrachloroethylene               | 10.6 |  | "    | 10.0 |  | 106  | 70-130 |  |  |  |  |
| Tetrahydrofuran                   | 11.0 |  | "    | 10.0 |  | 110  | 70-130 |  |  |  |  |
| Toluene                           | 9.52 |  | "    | 10.0 |  | 95.2 | 70-130 |  |  |  |  |
| trans-1,2-Dichloroethylene        | 10.8 |  | "    | 10.0 |  | 108  | 70-130 |  |  |  |  |
| trans-1,3-Dichloropropylene       | 10.0 |  | "    | 10.0 |  | 100  | 70-130 |  |  |  |  |
| Trichloroethylene                 | 10.2 |  | "    | 10.0 |  | 102  | 70-130 |  |  |  |  |
| Trichlorofluoromethane (Freon 11) | 11.0 |  | "    | 10.0 |  | 110  | 70-130 |  |  |  |  |
| Vinyl acetate                     | 9.02 |  | "    | 10.0 |  | 90.2 | 70-130 |  |  |  |  |
| Vinyl bromide                     | 11.3 |  | "    | 10.0 |  | 113  | 70-130 |  |  |  |  |
| Vinyl Chloride                    | 12.5 |  | "    | 10.0 |  | 125  | 70-130 |  |  |  |  |

##### Duplicate (BA30592-DUP1)

\*Source sample: 23A0464-04 (SV-4)

Prepared: 01/12/2023 Analyzed: 01/13/2023

|                                                   |      |      |                   |  |      |  |  |  |       |    |  |
|---------------------------------------------------|------|------|-------------------|--|------|--|--|--|-------|----|--|
| 1,1,1,2-Tetrachloroethane                         | ND   | 1.1  | ug/m <sup>3</sup> |  | ND   |  |  |  |       | 25 |  |
| 1,1,1-Trichloroethane                             | ND   | 0.89 | "                 |  | ND   |  |  |  |       | 25 |  |
| 1,1,2,2-Tetrachloroethane                         | ND   | 1.1  | "                 |  | ND   |  |  |  |       | 25 |  |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND   | 1.2  | "                 |  | ND   |  |  |  |       | 25 |  |
| 1,1,2-Trichloroethane                             | ND   | 0.89 | "                 |  | ND   |  |  |  |       | 25 |  |
| 1,1-Dichloroethane                                | ND   | 0.66 | "                 |  | ND   |  |  |  |       | 25 |  |
| 1,1-Dichloroethylene                              | ND   | 0.16 | "                 |  | ND   |  |  |  |       | 25 |  |
| 1,2,4-Trichlorobenzene                            | ND   | 1.2  | "                 |  | ND   |  |  |  |       | 25 |  |
| 1,2,4-Trimethylbenzene                            | 0.64 | 0.80 | "                 |  | 0.72 |  |  |  | 11.8  | 25 |  |
| 1,2-Dibromoethane                                 | ND   | 1.3  | "                 |  | ND   |  |  |  |       | 25 |  |
| 1,2-Dichlorobenzene                               | ND   | 0.98 | "                 |  | ND   |  |  |  |       | 25 |  |
| 1,2-Dichloroethane                                | ND   | 0.66 | "                 |  | ND   |  |  |  |       | 25 |  |
| 1,2-Dichloropropane                               | ND   | 0.75 | "                 |  | ND   |  |  |  |       | 25 |  |
| 1,2-Dichlorotetrafluoroethane                     | ND   | 1.1  | "                 |  | ND   |  |  |  |       | 25 |  |
| 1,3,5-Trimethylbenzene                            | ND   | 0.80 | "                 |  | ND   |  |  |  |       | 25 |  |
| 1,3-Butadiene                                     | ND   | 1.1  | "                 |  | ND   |  |  |  |       | 25 |  |
| 1,3-Dichlorobenzene                               | ND   | 0.98 | "                 |  | ND   |  |  |  |       | 25 |  |
| 1,3-Dichloropropane                               | ND   | 0.75 | "                 |  | ND   |  |  |  |       | 25 |  |
| 1,4-Dichlorobenzene                               | ND   | 0.98 | "                 |  | ND   |  |  |  |       | 25 |  |
| 1,4-Dioxane                                       | ND   | 1.2  | "                 |  | ND   |  |  |  |       | 25 |  |
| 2-Butanone                                        | 4.8  | 0.48 | "                 |  | 4.7  |  |  |  | 2.04  | 25 |  |
| 2-Hexanone                                        | 0.94 | 1.3  | "                 |  | 1.0  |  |  |  | 6.90  | 25 |  |
| 3-Chloropropene                                   | ND   | 2.6  | "                 |  | ND   |  |  |  |       | 25 |  |
| 4-Methyl-2-pentanone                              | ND   | 0.67 | "                 |  | ND   |  |  |  |       | 25 |  |
| Acetone                                           | 88   | 0.77 | "                 |  | 88   |  |  |  | 0.574 | 25 |  |
| Acrylonitrile                                     | ND   | 0.35 | "                 |  | ND   |  |  |  |       | 25 |  |
| Benzene                                           | 2.9  | 0.52 | "                 |  | 2.9  |  |  |  | 0.00  | 25 |  |
| Benzyl chloride                                   | ND   | 0.84 | "                 |  | ND   |  |  |  |       | 25 |  |
| Bromodichloromethane                              | ND   | 1.1  | "                 |  | ND   |  |  |  |       | 25 |  |
| Bromoform                                         | ND   | 1.7  | "                 |  | ND   |  |  |  |       | 25 |  |
| Bromomethane                                      | ND   | 0.63 | "                 |  | ND   |  |  |  |       | 25 |  |
| Carbon disulfide                                  | ND   | 0.51 | "                 |  | ND   |  |  |  |       | 25 |  |
| Carbon tetrachloride                              | 0.31 | 0.26 | "                 |  | 0.31 |  |  |  | 0.00  | 25 |  |



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

### York Analytical Laboratories, Inc. - Stratford

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source*<br>Result | %REC | %REC<br>Limits | Flag | RPD | RPD<br>Limit | Flag |
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|

#### Batch BA30592 - EPA TO15 PREP

|                                   |      |                                   |                   |  |      |                                           |  |  |       |    |  |
|-----------------------------------|------|-----------------------------------|-------------------|--|------|-------------------------------------------|--|--|-------|----|--|
| <b>Duplicate (BA30592-DUP1)</b>   |      | *Source sample: 23A0464-04 (SV-4) |                   |  |      | Prepared: 01/12/2023 Analyzed: 01/13/2023 |  |  |       |    |  |
| Chlorobenzene                     | ND   | 0.75                              | ug/m <sup>3</sup> |  | ND   |                                           |  |  |       | 25 |  |
| Chloroethane                      | ND   | 0.43                              | "                 |  | ND   |                                           |  |  |       | 25 |  |
| Chloroform                        | 2.0  | 0.80                              | "                 |  | 2.1  |                                           |  |  | 3.92  | 25 |  |
| Chloromethane                     | 1.1  | 0.34                              | "                 |  | 1.0  |                                           |  |  | 9.52  | 25 |  |
| cis-1,2-Dichloroethylene          | ND   | 0.16                              | "                 |  | ND   |                                           |  |  |       | 25 |  |
| cis-1,3-Dichloropropylene         | ND   | 0.74                              | "                 |  | ND   |                                           |  |  |       | 25 |  |
| Cyclohexane                       | 1.1  | 0.56                              | "                 |  | 1.1  |                                           |  |  | 0.00  | 25 |  |
| Dibromochloromethane              | ND   | 1.4                               | "                 |  | ND   |                                           |  |  |       | 25 |  |
| Dichlorodifluoromethane           | 2.7  | 0.81                              | "                 |  | 2.5  |                                           |  |  | 6.25  | 25 |  |
| Ethyl acetate                     | ND   | 1.2                               | "                 |  | ND   |                                           |  |  |       | 25 |  |
| Ethyl Benzene                     | 2.2  | 0.71                              | "                 |  | 2.2  |                                           |  |  | 0.00  | 25 |  |
| Hexachlorobutadiene               | ND   | 1.7                               | "                 |  | ND   |                                           |  |  |       | 25 |  |
| Isopropanol                       | 2.8  | 0.80                              | "                 |  | 2.7  |                                           |  |  | 1.46  | 25 |  |
| Methyl Methacrylate               | ND   | 0.67                              | "                 |  | ND   |                                           |  |  |       | 25 |  |
| Methyl tert-butyl ether (MTBE)    | ND   | 0.59                              | "                 |  | ND   |                                           |  |  |       | 25 |  |
| Methylene chloride                | 1.6  | 1.1                               | "                 |  | 1.6  |                                           |  |  | 3.51  | 25 |  |
| n-Heptane                         | ND   | 0.67                              | "                 |  | ND   |                                           |  |  |       | 25 |  |
| n-Hexane                          | 2.1  | 0.57                              | "                 |  | 2.1  |                                           |  |  | 2.74  | 25 |  |
| o-Xylene                          | 2.1  | 0.71                              | "                 |  | 2.1  |                                           |  |  | 0.00  | 25 |  |
| p- & m- Xylenes                   | 5.6  | 1.4                               | "                 |  | 5.7  |                                           |  |  | 2.50  | 25 |  |
| p-Ethyltoluene                    | 0.64 | 0.80                              | "                 |  | 0.72 |                                           |  |  | 11.8  | 25 |  |
| Propylene                         | ND   | 0.28                              | "                 |  | ND   |                                           |  |  |       | 25 |  |
| Styrene                           | 0.56 | 0.69                              | "                 |  | 0.56 |                                           |  |  | 0.00  | 25 |  |
| Tetrachloroethylene               | 1.1  | 1.1                               | "                 |  | 1.2  |                                           |  |  | 9.52  | 25 |  |
| Tetrahydrofuran                   | ND   | 0.96                              | "                 |  | ND   |                                           |  |  |       | 25 |  |
| Toluene                           | 12   | 0.61                              | "                 |  | 12   |                                           |  |  | 0.525 | 25 |  |
| trans-1,2-Dichloroethylene        | ND   | 0.65                              | "                 |  | ND   |                                           |  |  |       | 25 |  |
| trans-1,3-Dichloropropylene       | ND   | 0.74                              | "                 |  | ND   |                                           |  |  |       | 25 |  |
| Trichloroethylene                 | ND   | 0.22                              | "                 |  | ND   |                                           |  |  |       | 25 |  |
| Trichlorofluoromethane (Freon 11) | 1.2  | 0.92                              | "                 |  | 1.2  |                                           |  |  | 0.00  | 25 |  |
| Vinyl acetate                     | ND   | 0.57                              | "                 |  | ND   |                                           |  |  |       | 25 |  |
| Vinyl bromide                     | ND   | 0.71                              | "                 |  | ND   |                                           |  |  |       | 25 |  |
| Vinyl Chloride                    | ND   | 0.21                              | "                 |  | ND   |                                           |  |  |       | 25 |  |





## Sample and Data Qualifiers Relating to This Work Order

|          |                                                                                                                                                                    |
|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TO-LCS-L | The result reported for this compound may be biased low due to its behavior in the analysis batch LCS where it recovered less 70% of the expected value.           |
| TO-LCS-H | The result reported for this compound may be biased high due to its behavior in the analysis batch LCS where it recovered greater than 130% of the expected value. |
| TO-CCV   | The value reported is ESTIMATED for this compound due to its behavior during continuing calibration verification (>30% Difference from initial calibration).       |
| CAL-E    | The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%)                                            |
| B        | Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.                                |

## Definitions and Other Explanations

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

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

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

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



Certification for pH is no longer offered by NYDOH ELAP.

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

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

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**YORK**

# Field Chain-of-Custody Record - AIR

YORK Project No.  
23A0464

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

Page 1 of 1

| YOUR INFORMATION                                                                                                                                                                          |                                                   | Report To:                    |                                | Invoice To:       |          | YOUR Project Number |  | Turn-Around Time   |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|-------------------------------|--------------------------------|-------------------|----------|---------------------|--|--------------------|--|
| Company: 6-BTS                                                                                                                                                                            | Address: 22 18th RD, Suite 101<br>POUGHKEEPSIE NY | Company: SAME                 | Address:                       | Company: SAME     | Address: | 21003-0004          |  | RUSH - Next Day    |  |
| Phone: BUS 452 1658                                                                                                                                                                       |                                                   | Phone:                        |                                | Phone:            |          | 21003-0004          |  | RUSH - Two Day     |  |
| Contact: RICHARD HANKE                                                                                                                                                                    | Contact: ERIC SKAZAR                              | Contact: ERIC SKAZAR          | Contact: BRENDA MULLS          | YOUR Project Name |          |                     |  | RUSH - Three Day   |  |
| E-mail: RICHARD.HANKE@G87PA.COM                                                                                                                                                           | E-mail: ERIC.SKAZAR@G87PA.COM                     | E-mail: ERIC.SKAZAR@G87PA.COM | E-mail: BRENDA.MULLS@G87PA.COM | YOUR Project Name |          |                     |  | RUSH - Four 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. |                                                   |                               |                                | YOUR PO#:         |          |                     |  | Standard (5-7 Day) |  |

| Air Matrix Codes                                |              | Samples From     |                      | Report / EDD Type (circle selections) |                                                        | YORK Reg. Comp. |  |
|-------------------------------------------------|--------------|------------------|----------------------|---------------------------------------|--------------------------------------------------------|-----------------|--|
| AI - Indoor Ambient Air                         | New York     | Summary Report   | CT RCP               | Standard Excel EDD                    | Compared to the following Regulation(s): (please list) |                 |  |
| AO - Outdoor Amb. Air                           | New Jersey   | QA Report        | CT RCP DOADUE        | EQUIS (Standard)                      |                                                        |                 |  |
| AE - Vapor Extraction Well/Process Leach/Liquid | Connecticut  | NY ASP A Package | NUDEP Reduced Deliv. | NYSDEC EQUIS                          |                                                        |                 |  |
| AS - Soil Vapor/Sub-Slab                        | Pennsylvania | NY ASP B Package | NUDKOP               | NUDEP SRP Haz-Site                    |                                                        |                 |  |
|                                                 | Other:       |                  |                      |                                       |                                                        |                 |  |

| Certified Canisters: Batch Individual |                   |            |                                         | Reporting Units: ug/m <sup>3</sup> N 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 |
| SU-1                                  | 11/07/23 1251     | AS         | -30                                     | -8                                             | 10044       | 6065          | VOCs (TD-15)       |
| SU-2                                  | 1252              |            | -30                                     | -18                                            | 18313       | 7095          |                    |
| SU-3                                  | 1253              |            | -50                                     | -24                                            | 37013       | 6877          |                    |
| SU-4                                  | 1254              |            | -30                                     | -8                                             | 42489       | 4-22          |                    |
| SU-5                                  | 1255              |            | -30                                     | -23                                            | 18303       | 7081          |                    |
| SU-6                                  | 1256              |            | -30                                     | -8                                             | 24102       | 5707          |                    |
| SU-7                                  | 1258              |            | -30                                     | -8                                             | 17353       | 3350          |                    |
|                                       |                   |            |                                         |                                                |             |               |                    |
|                                       |                   |            |                                         |                                                |             |               |                    |
|                                       |                   |            |                                         |                                                |             |               |                    |
|                                       |                   |            |                                         |                                                |             |               |                    |
|                                       |                   |            |                                         |                                                |             |               |                    |
|                                       |                   |            |                                         |                                                |             |               |                    |

| Comments:                         |  | Detection Limits Required         |                  | Sampling Media   |  |
|-----------------------------------|--|-----------------------------------|------------------|------------------|--|
|                                   |  | ≤ 1 ug/m <sup>3</sup>             | NYSDEC V1 Limits | 6 Liter Canister |  |
|                                   |  | Routine Survey                    | Other            | Tedlar Bag       |  |
| Samples Relinquished by / Company |  | Samples Relinquished by / Company |                  | Date/Time        |  |
| A. LITWIN - L101 6065             |  |                                   |                  | 11/07/23 1603    |  |
| Samples Received by / Company     |  | Samples Received by / Company     |                  | Date/Time        |  |
|                                   |  |                                   |                  |                  |  |
| Samples Relinquished by / Company |  | Samples Relinquished by / Company |                  | Date/Time        |  |
|                                   |  |                                   |                  |                  |  |
| Samples Relinquished by / Company |  | Samples Relinquished by / Company |                  | Date/Time        |  |
|                                   |  |                                   |                  | 11/07/23 1604    |  |

## APPENDIX E

# Phase II Subsurface Investigation Report



## PHASE II SUBSURFACE INVESTIGATION REPORT

### **10-16 Beach 19th Street**

10-16 Beach 19th Street  
Queens, New York 11691

July 23, 2020

PSG Project Number: 20-286219.1

Prepared for:

### **Arden Group**

61 East 11th Street, 5th Floor  
New York, New York 10003



Engineers who understand your business



July 23, 2020

Jeremy Conway  
Arden Group  
61 East 11th Street, 5th Floor  
New York, New York 10003

Subject: Phase II Subsurface Investigation Report  
10-16 Beach 19th Street  
Queens, New York 11691  
PSG Project Number: 20-286219.1

Dear Mr. Conway:

PSG Engineering and Geology, D.P.C. (PSG) is pleased to provide the results of the assessment performed at the above-referenced property. The following report describes the field activities, methods, and findings of the Phase II Subsurface Investigation conducted at the above-referenced property.

This assessment was performed consistent with acceptable industry standards. The independent conclusions represent PSG's best professional judgment based upon existing conditions and the information and data available to us during the course of this assignment.

We appreciate the opportunity to provide these services. If you have any questions concerning this report, or if we can assist you in any other matter, please contact Charles Tallinger at (646) 794-5975.

Sincerely,

**PSG Engineering and Geology, D.P.C.**

**DRAFT**

Jonathan Lokko  
Project Scientist

**DRAFT**

Andres Simonson  
Regional Manager - Subsurface Investigation

**DRAFT**

Charles Tallinger  
National Client Manager

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## ATTACHMENTS

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  2. Topographic Map
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# 1.0 INTRODUCTION

---

## 1.1 Purpose

The purpose of the investigation was evaluate the potential impact of volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), pesticides, and/or metals to soil, groundwater, and/or soil gas as a consequence of a release or releases from the former and current subject property operations. Arden Group provided project authorization of PSG Proposal Number P20-286219.1.

## 1.2 Limitations

This report presents a summary of work conducted by PSG. The work includes observations of site conditions encountered and the analytical results provided by an independent third-party laboratory of samples collected during the course of the project. The number and location of samples were selected to provide the required information. It cannot be assumed that the limited available data are representative of subsurface conditions in areas not sampled.

Conclusions and/or recommendations are based on the observations, laboratory analyses, and the governing regulations. Conclusions and/or recommendations beyond those stated and reported herein should not be inferred from this document.

PSG warrants that the environmental consulting services contained herein were accomplished in accordance with generally-accepted practices in the environmental engineering, geology, and hydrogeology fields that existed at the time and location of work. No other warranties are implied or expressed.

## 1.3 User Reliance

PSG was engaged by Arden Group (the Addressee), or their authorized representative, to perform this investigation. The engagement agreement specifically states the scope and purpose of the investigation, as well as the contractual obligations and limitations of both parties. This report and the information therein, are for the exclusive use of the Addressee. This report has no other purpose and may not be relied upon, or used, by any other person or entity without the written consent of PSG. Third parties that obtain this report, or the information therein, shall have no rights of recourse or recovery against PSG, its officers, employees, vendors, successors or assigns. Any such unauthorized user shall be responsible to protect, indemnify and hold PSG, the Addressee and their respective officers, employees, vendors, successors and assigns harmless from any and all claims, damages, losses, liabilities, expenses (including reasonable attorneys' fees) and costs attributable to such use. Unauthorized use of this report shall constitute acceptance of, and commitment to, these responsibilities, which shall be irrevocable and shall apply regardless of the cause of action or legal theory pled or asserted.

This report has been completed under specific Terms and Conditions relating to scope, relying parties, limitations of liability, indemnification, dispute resolution, and other factors relevant to any reliance on this report. Any parties relying on this report do so having accepted PSG's standard Terms and Conditions, a copy of which can be found at <http://www.partneresi.com/terms-and-conditions.php>.

## 2.0 SITE BACKGROUND

---

### 2.1 Site Description

The 0.44-acre subject property consists of one parcel of land located on the east side of Beach 19th Street within a mixed residential, commercial, industrial area of Queens, Queens County, New York. The subject property is reportedly developed with a vacant one-story automotive repair shop. In addition to the structure, the subject property is improved with an asphalt parking area and a chain link fence and gate.

The subject property is bound by a three-story apartment building with a ground floor church to the north, two two-story buildings occupied as churches to the east, three one-story retail buildings to the south, and three two-story residential buildings and an undeveloped lot used to park vehicles to the west. Refer to Figure 1 for a site vicinity map showing site features and surrounding properties.

### 2.2 Site History

PSG was provided the September 30, 2019 *Phase I Environmental Site Assessment* report (Phase I) for the subject property, prepared by Velocity Consulting, Inc. (Velocity) on behalf of MTAG Services, LLC. According to Velocity, the subject property was occupied as a garage, an automotive repair shop, and/or a vehicle dismantling facility from circa 1933 to present. Sanborn maps showed two buried gasoline tanks inside the southwest corner of the garage building

The following recognized environmental conditions (RECs) were identified in the Phase I:

- Adjacent Sites – *Sanborn Fire Insurance maps (Sanborn maps) and the environmental regulatory databases show one adjacent site (18-48 Cornaga Avenue) with an open/active spill case, and three nearby sites (18-36 Cornaga Avenue, 19-01 to 19-03 Broadway, and 18-06 to 18-18 Cornaga Avenue/1803 to 18-17 Mott Avenue) that were occupied as gasoline stations and an auto repair shop since the 1930s. Given the proximity of these sites to the subject property, the open status of the spill case at the adjacent site, that the former nearby gasoline stations/auto repair shop began operations prior to regulatory oversight, and the general tendency of auto-related operations to negatively impact a nearby property via groundwater and soil vapor, the open spill case site and the former nearby gasoline stations and auto repair shop sites are a recognized environmental condition (REC) that is an issue of environmental concern and warrants further actions.*
- Regulatory Review/Historical Review/USTs [underground storage tanks] - *City directories, Sanborn maps, and the New York State Department of Environmental Conservation (NYSDEC) Landfill and/or Solid Waste Disposal Facilities (SWDF) Database show that the subject property was occupied as a garage, an auto repair shop, and a vehicle dismantling facility from circa 1933 to the present day. Sanborn maps show two buried gasoline tanks inside the southwest corner of the 1-story garage building. Fill ports and vent pipes were observed at this building, which also suggest the presence of buried tanks. No data regarding the gasoline tanks associated with this garage, including whether these tanks were removed and whether these tanks have impacted the subsurface, was available in the public records reviewed for this assessment. In addition, the auto repair shop and vehicle dismantling facility on-site operated during a time period that predates regulatory oversight regarding the storage, disposal, reporting, and cleanup of petroleum products, wastes, releases, and storage tanks. The lack of information regarding the buried gasoline tanks and the former auto repair/vehicle dismantling shop, the time period during which the former auto repair/ vehicle dismantling began operation (prior to regulatory oversight), and the general tendency of auto-related operations and buried gasoline tanks to negatively impact a property, make the former use and*

*continued presence gasoline tanks a REC that is an issue of environmental concern, and warrants further actions.*

According to Velocity's Phase I, the subject property is listed as an E-Designated site by the New York City Office of Environmental Remediation (OER). The E-designation is for "hazardous materials-Phase I & II testing protocol, and air quality."

## **2.3 Geology and Hydrogeology**

Review of the United States Geological Survey (USGS) *Arthur Kill Jersey City/New York, New Jersey* Quadrangle topographic map, indicates the subject property is situated approximately 26 feet above mean sea level, and the local topography is relatively flat. Refer to Figure 2 for a topographic map of the site vicinity.

According to the United States Geological Survey (USGS) online geologic map website, the subject property is situated within the Monmouth group, Matawan group and Magothy formation (upper cretaceous) which consists primarily of silty clay, glauconitic sandy clay, sand and gravels.

Based on borings advanced during this investigation, the underlying subsurface consists predominantly of brown medium sand with gravel or brown silty sand with gravel and glass fragments from 0.5 feet below ground surface (bgs) to approximately 3 feet bgs. From 3 to 25 feet bgs, the subsurface consists predominantly of brown fine to medium sand with gravel. Groundwater was encountered during this investigation between 18 and 20 feet bgs. Refer to Appendix A for boring logs from this investigation.

## **3.0 FIELD ACTIVITIES**

---

The Phase II Subsurface Investigation scope included a geophysical survey, the advancement of four borings (B-1 through B-4) to collect representative soil and/or groundwater, and the collection of four soil gas samples (SG-1 through SG-4). Refer to Table 1 for a summary of the borings, sampling schedule, and laboratory analyses for this investigation

### **3.1 Preparatory Activities**

Prior to the initiation of fieldwork, PSG completed the following activities.

#### **3.1.1 Utility Clearance**

Coastal Environmental Solutions, Inc. (Coastal) of Bohemia, New York notified Dig Safely New York (Dig Safely) to clear public utility lines as required by law at least two business days prior to drilling activities. Dig Safely issued ticket number 201842369 for the project.

In addition, PSG subcontracted with Delta Geophysics, Inc. (Delta) of Catasauqua, Pennsylvania on July 9, 2020 to clear boring locations of utilities as discussed in Section 3.2

#### **3.1.2 Health and Safety Plan**

PSG prepared a site-specific Health and Safety Plan, which was reviewed with on-site personnel involved in the project prior to the commencement of drilling activities.

### **3.2 Geophysical Survey**

On July 9, 2020, Delta conducted a geophysical survey under the direction of PSG. The purpose of the geophysical survey was to identify the location of former or existing USTs, and/or tankholds, piping, and/or associated features. Additionally, the geophysical survey was utilized to clear boring locations of utilities prior to drilling. The geophysical survey was performed using a Geophysical Survey Systems Inc. SIR-3000 cart-mounted Ground Penetrating Radar (GPR) unit with a 400 Mhz antenna, TW-6 Metallic Locator, and Radio detection RD7000 precision utility locator.

A closely-spaced rectilinear grid was established throughout the accessible interior areas (including partial basement) of the property and around proposed boring locations. The GPR investigation area was significantly limited due multiple areas of automobile repair parts and debris on the property. The grid was systematically traversed using electromagnetic induction (EM) equipment, GPR equipment, and/or utility tracers. The equipment data was interpreted in real time and compiled as necessary in order to identify subsurface anomalies consistent with utilities. The geophysical survey detected a metallic anomaly measuring approximately 10 feet by 6 feet indicative of a potential heating oil UST on the exterior northwestern portion of the subject property. Two other metallic anomalies indicative of potential gasoline USTs were detected in the abandoned automobile repair workshop at the western portion of the subject property (near the Sanborn depicted areas). The geophysical survey also detected a nonmetallic anomaly measuring approximately 10 feet by 6 feet on the exterior southwestern portion of the subject property. A former in-ground hydraulic lift was also detected in the active automobile repair workshop located at the northwestern portion of the subject property.

Several subsurface utilities including electric, natural gas, water, sanitary sewer, product piping, hydraulic lines, and unknown utilities were also detected on the subject property and the borings were placed accordingly to avoid conflicts.

Refer to Appendix B for a copy of the geophysical survey report, which provides additional details regarding the geophysical survey equipment and methodology.

### **3.3 Drilling Equipment**

On July 9, 2020, four temporary sub-slab soil gas sample points (SG-1 through SG-4) were advanced by PSG using a power hand drill to facilitate the collection of sub-slab soil gas sample from beneath the subject property. On July 14, 2020, PSG subcontracted with Coastal to provide and operate drilling equipment. Coastal, under the direction of PSG, advanced four borings B-1 through B-4 with a track-mounted Geoprobe Model 6620DT direct push rig. Sampling equipment was decontaminated between sample intervals and boring locations to prevent cross-contamination.

### **3.4 Sample Locations**

Boring B-1 was advanced at the exterior northwestern portion of property near the GPR detected heating oil UST anomaly. Boring B-2 was advanced at the interior northeastern portion of property (active automotive repair workshop) near a former in-ground hydraulic lift. Boring B-3 was advanced at the interior central portion of property (abandoned automotive repair workshop) in an area of floor staining and to provide general site characterization. Boring B-4 was advanced at the interior western portion of property (abandoned automotive repair workshop) near the GPR detected gasoline oil UST anomaly. Sub-slab soil gas samples SG-1 and SG-2 were installed adjacent to borings B-4 and B-3, respectively. Sub-slab soil gas samples SG-3 and SG-4 were collected respectively at the interior central and western portions of property (abandoned automotive repair workshop). Refer to Figure 3 for a map indicating sample locations.

### **3.5 Soil Sampling**

Borings B-1 through B-4 were each advanced by the direct-push drill rig to a terminal depth of 25 feet bgs. Soil borings B-1 through B-4 were each advanced using a 5-foot long by 2-inch diameter MacroCore sampler with a 5-foot long acetate liner, which was advanced by the direct-push drill rig using 5-foot long by 1.5-inch diameter drill rods. The samplers were driven into the subsurface to allow undisturbed soil to enter the open MacroCore barrel and retrieved to recover the soil-filled liners. A lengthwise section of each acetate liner was removed with a splitting tool to expose the soil and the samples were collected. The soil column at each boring was visually inspected for discoloration, monitored for odors, and classified in accordance with the Unified Soil Classification System (USCS). Additionally, the soil column was field-screened with a photoionization detector (PID) calibrated to 100 parts per million (ppm) isobutylene.

Potential olfactory evidence of impacted conditions (slight petroleum-like odors) was noticed in boring B-1. PID readings on the soil profile screened from boring B-1 ranged from 14.1 ppm to 44.2 ppm. No visual or olfactory evidence of impacted conditions were detected in borings B-2 through B-4. PID readings on the soil profile screened from borings B-2 through B-4 ranged from 0.1 ppm to 28.1 ppm. Soil samples were collected from the interval directly at the highest observed PID readings above the groundwater interface. Specifically, soil samples B-1 through B-4 were collected respectively from the depth intervals 18-19 feet



bgs, 14-15 feet bgs, 2-3 feet bgs, and 16-17 feet bgs being the interval at the highest PID recorded. The sample depth for B-3 also corresponded with the interval of historic fill material.

Soil depths selected for laboratory analysis were sampled directly from the liners using a disposable plastic syringe and retained in two sodium bisulfate-preserved and one methanol volatile organics analysis (VOA) vials in accordance with United States Environmental Protection Agency (EPA) Method 5035 sampling protocol. A soil sample was also collected by transferring soil into a laboratory-supplied, 4-ounce, wide-mouth, unpreserved glass jars, which were sealed with a threaded, Teflon-lined lid for SVOCs, PCBs, pesticides, and metal analysis. The jars were filled with soil to capacity to minimize headspace and reduce the potential for volatilization. The jars and VOA vials were labeled for identification and stored in an iced-cooler.

### **3.6 Groundwater Sampling**

Groundwater was encountered in the borings B-1 through B-4 advanced during this investigation at depths ranging 19 feet to 20 feet bgs. After soil sampling to the terminal depth, a groundwater sample was collected from boring locations B-1 through B-4 using a five-foot stainless-steel Geoprobe Screen Point (SP) 22 Groundwater Sampler. Once the 2.25-inch outer casing was removed from the borehole, the SP22 Groundwater Sampler was inserted into the open borehole using 1.25-inch OD center rods and screened from approximately 20 to 25 feet bgs in borings B-1 through B-4. A section of 0.375-inch polyethylene tubing equipped with a stainless-steel check valve at the terminal end was lowered through the center of the 1.25-inch drill rods to allow for groundwater sample collection.

Groundwater samples were retrieved from boring locations using a new section of 0.375-inch diameter polyethylene tubing with a stainless-steel check valve at the terminal end and conveyed into three hydrochloric acid-preserved VOA vials for submittal of samples for VOC analysis via EPA Method 8260 and into 250-milliliter unpreserved amber glass jars for submittal of samples for SVOCs, PCBs and pesticides, 250-milliliter unpreserved and nitric acid preserved plastic jars for submittal of samples for metals (total and dissolved). Each vial and jar were filled with no observable headspace or air bubbles to minimize the potential for volatilization, labeled for identification and stored in an iced-cooler.

Dedicated sections of tubing were used for the sampling of the temporary groundwater sampling points, as described above. The SP22 sampler screen, drilling rods, and stainless-steel check valve were decontaminated between boring locations to prevent cross-contamination.

### **3.7 Sub-Slab Soil Gas Sampling**

To facilitate the collection of sub-slab soil gas samples from beneath the subject property, temporary sub-slab soil gas sample points SG-1 through SG-4 were advanced using a power hand drill through the floor slab. Sub-slab soil gas samples SG-1 through SG-4 were each collected from a temporary soil gas point, consisting of a pre-fabricated stainless-steel Vapor Pin™ equipped with a silicone sleeve, was manually inserted into a 5/8-inch diameter hole drilled through the concrete slab of the subject property building using a rotary hammer drill. After installing the Vapor Pin™ a protective cap was placed over the barbed sampling end of the Vapor Pin™ and a water dam was installed around the Vapor Pin™ to further ensure that an airtight seal was present around the sampling point. Once the airtight seal was confirmed, the water dam was removed and the sample tubing and the Vapor Pin™ was purged of ambient air using a PID. The sampling end of the tubing was initially connected to a PID to field screen the soil-gas conditions relating

to VOCs and to purge the sample point. The soil-gas sample points were each purged for approximately two minutes. The PID readings ranged from 0.4 ppm to 2.9 ppm. Prior to purging, ambient air quality was monitored at the subject property and PID background reading was 0.3 ppm. After the ambient air was purged from the sample tubing and Vapor Pin™, a connection was made with new Teflon tubing and a laboratory-supplied certified clean 2.7-liter SUMMA™ Canisters.

The sub-slab soil gas sample was collected using a SUMMA™ canister provided by Alpha Analytical Laboratories (Alpha), of Westborough, Massachusetts, a state-certified laboratory [NYSDEC Environmental Laboratory Accreditation Program (ELAP) certificate number 11148] which subjected the canisters to a rigorous cleaning process using a combination of dilution, heat, and high vacuum. After cleaning, the canisters were batch certified to be free of target contaminants to a specified reporting limit via gas chromatography/mass spectroscopy prior to delivery. PSG received the SUMMA™ canister evacuated to approximately 29.4 inches of mercury. The SUMMA™ canister was fitted with a stainless-steel flow controller, which Alpha calibrated to maintain constant flow for approximately 10 minutes of sampling time.

The sampling end of the tubing was fitted to the sampling canister and the valve was opened, causing air to enter the SUMMA™ canister due to the pressure differential. PSG closed the valve after the canister was evacuated to approximately 0.10 to 0.95 inches of mercury and after the 10 minutes duration, with pertinent data (e.g., time, canister vacuum) recorded at the start and end of sampling. The SUMMA™ canisters were labeled for identification and stored away from direct sunlight prior to analysis. Upon completion of the remaining soil gas sampling procedures, the Vapor Pins™ were removed from the concrete slab

### **3.8 Post-Sampling Activities**

Probes/temporary well points/soil gas points were removed from the subsurface and the boreholes were backfilled with hydrated bentonite chips following sampling activities. Boreholes advanced in improved areas were capped with concrete or asphalt patch to match existing ground cover after being backfilled.

No significant amounts of derived wastes were generated during this investigation.

## 4.0 DATA ANALYSIS

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### 4.1 Laboratory Analysis

PSG collected four sub-slab soil gas samples (SG-1 through SG-4) on July 9, 2020, and four soil samples (B-1 through B-4) and four groundwater samples (B-1GW through B-4GW) on July 14, 2020, which were transported under chain-of-custody protocol to Alpha, a state-certified laboratory [Environmental Laboratory Accreditation Program (ELAP) certificate number 11148] in the Towns of Westborough (soil and groundwater) and Mansfield (soil gas), Massachusetts for analysis. The soil and groundwater samples were analyzed for VOCs via EPA Method 8260, SVOCs via EPA Method 8270, pesticides via EPA Method 8081, PCBs via EPA Method 8082, and target analyte list (TAL) metals via EPA Method 6010 and 7471. The groundwater metals analysis included both *total* and *dissolved* TAL metals. The soil gas samples were analyzed for VOCs in accordance with EPA Method TO-15.

Laboratory analytical results are included in Appendix C and discussed below

### 4.2 Regulatory Agency Comparison Criteria

#### 4.2.1 Soils

The soil sample analytical results were compared to NYSDEC Unrestricted Use Soil Cleanup Objectives (SCOs), which represents the most stringent NYSDEC criteria and includes all direct contact, ecological, and impact to groundwater pathways. The soil results were further compared to groundwater protection SCOs and commercial direct contact SCOs (current use).

#### 4.2.2 Groundwater

The groundwater analytical results were compared to the NYSDEC New York Technical & Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards (AWQS).

#### 4.2.3 Soil Gas

The EPA Office of Land and Emergency Management (OLEM) issued the guidance document "*Office of Solid Waste and Emergency Response (OSWER) Technical Guide for Assessing and Mitigating the Vapor Intrusion Pathway from Subsurface Vapor Sources to Indoor Air*", dated June 2015, to specifically address the "vapor intrusion pathway." The intent of this guidance document is to provide a tool to help the user conduct a screening evaluation as to whether the vapor intrusion exposure pathway to indoor air is complete and, if so, whether it poses an unacceptable risk to human health. The EPA recommends using an individual lifetime cancer risk of  $10^{-6}$  as a point of departure for establishing cleanup levels based upon potential cancer effects.

Given the commercial development of the subject property, the sub-slab soil gas samples analyzed during this investigation were compared to the EPA Calculated  $10^{-6}$  Target Soil Gas Concentrations for Carcinogens in the Commercial Exposure Scenario, which represents the most stringent Vapor Intrusion Screening Levels (VISLs) applicable to the subject property use; the EPA Calculated  $10^{-5}$  Target Soil Gas Concentrations for Carcinogens in the Commercial Exposure Scenario, which represents the EPA's recommended VISLs for the vapor intrusion pathway applicable to the subject property use; and to the EPA Calculated  $10^{-4}$  Target Soil Gas Concentrations for Carcinogens in the Commercial Exposure Scenario, which represents the least

stringent VISLs applicable to the subject property use. Exceedance of the  $10^{-4}$  criteria typically indicates the need for remedial action

Further, as multiple VOCs were identified and may be present in the soil gas samples, a Target Hazard Quotient of 0.1 was utilized to calculate the VISLs due to the potential for cumulative health effects. The criteria were produced by accessing the EPA Vapor Intrusion Screening Calculator ([https://epa-visl.ornl.gov/cgi-bin/visl\\_search](https://epa-visl.ornl.gov/cgi-bin/visl_search)). Refer to Appendix D for the EPA Calculated VISLs.

### **4.3 Soil Sample Data Analysis**

As shown in Table 2, seven VOC analytes were detected at concentrations above the laboratory method detection limits (MDLs)/reporting limits (RLs) in the soil samples collected from borings B-1 through B-4. Of the detected VOCs, acetone in B-1 was detected at a concentration of 0.11 milligrams per kilogram (mg/kg) which exceeds NYSDEC Unrestricted Use and Groundwater Protection SCOs but was below the applicable Commercial direct contact SCOs.

Six SVOC analytes were detected at concentrations above the laboratory MDLs/RLs but below the most stringent NYSDEC Unrestricted Use SCOs in the soil samples collected from borings B-1 through B-4.

No pesticides were detected at concentrations above the laboratory MDLs/RLs in the soil samples collected from borings B-1 through B-4. One PCB analyte was detected at a concentration above the laboratory MDLs/RLs but below the most stringent NYSDEC Unrestricted Use SCO in the soil sample collected from boring B-2.

Nineteen metal analytes were detected at concentrations above the laboratory MDLs/RLs in the soil samples collected from borings B-1 through B-4. Of the detected metals, lead and mercury were detected in soil sample B-2 at respective concentrations of 168 mg/kg and 0.284 mg/kg which exceed NYSDEC Unrestricted Use SCOs but were below the Groundwater Protection SCOs and the applicable Commercial direct contact SCOs criteria.

### **4.4 Groundwater Sample Data Analysis**

As shown in Table 3, eleven VOC analytes were detected at concentrations above the laboratory MDLs/RLs in the groundwater samples B-1GW through B-4GW. Of the detected VOCs, 1,2,4,5-tetramethylbenzene, chloroform, n-butylbenzene and sec-butylbenzene were detected in groundwater sample B-1GW at respective concentrations of 14 micrograms per liter ( $\mu\text{g/l}$ ), 22  $\mu\text{g/l}$ , 12  $\mu\text{g/l}$ , and 8.6  $\mu\text{g/l}$  which exceed their applicable NYSDEC AWQS. 1,2,4,5-tetramethylbenzene and sec-butylbenzene were detected in groundwater sample B-2GW at respective concentrations of 17  $\mu\text{g/l}$  and 15  $\mu\text{g/l}$  which exceed their applicable NYSDEC AWQS. The remaining VOCs were not detected at concentrations above their applicable NYSDEC AWQS.

Eighteen SVOC analytes were detected at concentrations above the laboratory MDLs/RLs in the groundwater samples B-1GW through B-4GW. Of the detected SVOCs, chrysene was detected in groundwater sample B-1GW at an estimated concentration of 0.02  $\mu\text{g/l}$  which exceeds its applicable NYSDEC AWQS. Benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(ghi)perylene, benzo(k)fluoranthene, chrysene and indeno(1,2,3-cd)pyrene were detected in groundwater sample B-2GW at respective estimated concentrations of 0.05  $\mu\text{g/l}$ , 0.04  $\mu\text{g/l}$ , 0.06  $\mu\text{g/l}$ , 0.02  $\mu\text{g/l}$ , 0.06  $\mu\text{g/l}$  and 0.02  $\mu\text{g/l}$  which exceed their applicable NYSDEC AWQS. Chrysene was detected in groundwater sample B-3GW at an

estimated concentration of 0.01 µg/l which exceeds its applicable NYSDEC AWQS. Benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(ghi)perylene, benzo(k)fluoranthene, chrysene and indeno(1,2,3-cd)pyrene were detected in groundwater sample B-4GW at respective estimated concentrations of 0.02 µg/l, 0.04 µg/l, 0.06 µg/l, 0.03 µg/l, 0.03 µg/l and 0.03 µg/l which exceed their applicable NYSDEC AWQS. The remaining SVOCs were not detected at concentrations above their applicable NYSDEC AWQS.

Pesticides and PCBs were not detected at concentrations above the laboratory MDLs/RLs in the groundwater samples B-1GW through B-4GW.

Twenty-three total metal analytes were detected at concentrations above the laboratory MDLs/RLs in groundwater samples B-1GW through B-4GW. Sixteen dissolved metal analytes were however detected at concentrations above the laboratory MDLs/RLs in groundwater samples B-1GW through B-4GW. Of the detected metals in the groundwater samples, ten total metals were detected at concentrations exceeding their applicable NYSDEC AWQS. Analytical results of dissolved metals in the groundwater samples indicated that iron was detected in B-1GW through B-4GW at respective concentrations of 13,000 µg/l, 1,530 µg/l, 5,370 µg/l, and 3,000 µg/l which are above the corresponding NYSDEC AWQS of 300 µg/l. Dissolved manganese was detected in B-2GW through B-4GW at respective concentrations of 618.6 µg/l, 876.4 µg/l and 732.8 µg/l which are above their corresponding NYSDEC AWQS of 300 µg/l. Dissolved sodium was detected in B-3GW and B-4GW at respective concentrations of 77,600 µg/l and 215,000 µg/l which are above their corresponding NYSDEC AWQS of 20,000 µg/l.

## **4.5 Sub-Slab Soil Gas Sample Data Analysis**

### **4.5.1 EPA VISLs**

As shown in Table 4, twenty-three VOC analytes were detected at concentrations above the laboratory RLs. Of the detected VOCs, PCE was detected at concentrations above the  $10^{-6}$ ,  $10^{-5}$ , and  $10^{-4}$  Target Soil Gas Concentrations for Carcinogens for the Commercial Exposure Scenario in sub-slab soil gas samples SG-1[1670 micrograms per cubic meter (µg/m<sup>3</sup>)], SG-2 (4,360 µg/m<sup>3</sup>) and SG-3 (949 µg/m<sup>3</sup>).

### **4.5.2 NYSDOH Decision Matrices**

#### *NYSDOH Decision Matrix A*

The NYSDOH Soil Vapor/Indoor Air Matrix A (May 2017), a copy of which is provided as Appendix E, was designed to compare trichloroethene (TCE), cis-1,2-dichloroethene (cis-1,2-DCE), 1,1-dichloroethene (1,1-DCE), and carbon tetrachloride sub-slab analytical results with their respective indoor air analytical results, and by extension, to determine the necessity for mitigation. Indoor air samples were not collected during this investigation.

As shown in Table 4, TCE was detected in soil gas sample SG-1 (6.5 µg/m<sup>3</sup>). When entering the highest TCE concentration detected in soil gas sample SG-1 into Matrix A in the sub-slab soil gas sample entry row "6 to <6 µg/m<sup>3</sup>", the matrix returns a value of either "no further action" or "monitor" or "mitigate" depending on the indoor air concentration of TCE.

The following table compares the highest TCE concentration detected during this investigation to the applicable NYSDOH Matrix A guidance recommendations (highlighted in yellow):

| Matrix A - TCE                        |              | Indoor Air = Not Sampled |                   |                                             |
|---------------------------------------|--------------|--------------------------|-------------------|---------------------------------------------|
|                                       |              | < 0.2                    | 0.2 to < 1        | 1 and above                                 |
| Soil Gas SG-1 = 6.5 µg/m <sup>3</sup> | < 6          | No further action        | No further action | Identify source(s) and resample or mitigate |
|                                       | 6 to < 60    | <b>No further action</b> | <b>Monitor</b>    | <b>Mitigate</b>                             |
|                                       | 60 and above | Mitigate                 | Mitigate          | Mitigate                                    |

Cis-1,2-DCE, 1,1-DCE, and carbon tetrachloride were not detected at concentrations above the laboratory RLs in the soil gas samples SG-1 through SG-4. Based on this information, no further investigation/mitigation appears to be warranted regarding cis-1,2-DCE, 1,1-DCE, and carbon tetrachloride

#### *NYSDOH Decision Matrix B*

The NYSDOH Soil Vapor/Indoor Air Matrix B (May 2017), a copy of which is provided as Appendix E, was designed to compare tetrachloroethene (PCE), 1,1,1-trichloroethane (1,1,1-TCA), and methylene chloride sub-slab analytical results with their respective indoor air analytical results, and by extension, to determine the necessity for mitigation. Indoor air samples were not collected during this investigation.

As shown in Table 4, PCE was detected in soil gas samples SG-1 (1,670 µg/m<sup>3</sup>), SG-2 (4,360 µg/m<sup>3</sup>) and SG-3 (949 µg/m<sup>3</sup>). When entering the highest PCE concentration detected in sub-slab soil gas sample SG-2 into Matrix B in the sub-slab soil gas sample entry row "1,000 µg/m<sup>3</sup> and above", the matrix returns a value of "mitigate" regardless of the indoor air concentration of PCE. Indoor air samples were not collected as a part of this investigation. Additionally, PCE was identified above the 10<sup>-6</sup>, 10<sup>-5</sup>, and 10<sup>-4</sup> Target Soil Gas Concentrations for Carcinogens for the Commercial Exposure Scenario in sub-slab soil gas samples SG-1, SG-2 and SG-3. Based on this information, further investigation and/or confirmatory sampling is required to evaluate whether mitigation of PCE is necessary, to prevent vapor intrusion of PCE to indoor air.

The following table compares the highest PCE concentration detected during this investigation to the applicable NYSDOH Matrix B guidance recommendations (highlighted in yellow):

| Matrix B - PCE                         |                 | Indoor Air = Not Sampled |                   |                                             |
|----------------------------------------|-----------------|--------------------------|-------------------|---------------------------------------------|
|                                        |                 | < 3                      | 3 to < 10         | 10 and above                                |
| Soil Gas SG-2 = 4360 µg/m <sup>3</sup> | < 100           | No further action        | No further action | Identify source(s) and resample or mitigate |
|                                        | 100 to < 1,000  | No further action        | Monitor           | Mitigate                                    |
|                                        | 1,000 and above | Mitigate                 | Mitigate          | Mitigate                                    |

As shown in Table 4, 1,1,1-TCA was detected in sub-slab soil gas sample SG-4 (1.19 µg/m<sup>3</sup>). When entering the highest 1,1,1-TCA concentration detected in sub-slab soil gas samples into Matrix B in the sub-slab soil gas sample entry row "<100 µg/m<sup>3</sup>," the matrix returns a value of either "no further action" or "identify source(s) and resample or mitigate" depending on the indoor air concentrations of identify source(s) and resample or mitigate.

The following table compares the highest 1,1,1-TCA concentration detected during this investigation to the applicable NYSDOH Matrix B guidance recommendations (highlighted in yellow):

| Matrix B - 1,1,1-TCA                   |                 | Indoor Air = Not Sampled |                   |                                             |
|----------------------------------------|-----------------|--------------------------|-------------------|---------------------------------------------|
|                                        |                 | < 3                      | 3 to < 10         | 10 and above                                |
| Soil Gas SG-4 = 1.19 µg/m <sup>3</sup> | < 100           | No further action        | No further action | Identify source(s) and resample or mitigate |
|                                        | 100 to < 1,000  | No further action        | Monitor           | Mitigate                                    |
|                                        | 1,000 and above | Mitigate                 | Mitigate          | Mitigate                                    |

Methylene chloride was not detected at a concentration above the laboratory RLs in soil gas samples SG-1 through SG-4. Based on this information, no further investigation/mitigation appears to be warranted regarding methylene chloride.

#### NYSDOH Decision Matrix C

The NYSDOH Soil Vapor/Indoor Air Matrix C (May 2017), a copy of which is provided as Appendix D, was designed to compare vinyl chloride sub-slab analytical results with their respective indoor air analytical results, and by extension, to determine the necessity for mitigation. Indoor air samples were not collected

during this investigation Vinyl chloride was not detected at concentrations above the laboratory RLs in soil gas samples SG-1 through SG-4. Based on this information, no further investigation/mitigation appears to be warranted regarding vinyl chloride.

## **4.6 Discussion**

### *Soil*

Based on the analytical soil results, no soil direct-contact exceedances were identified for the applicable commercial use.

### *Groundwater*

Based on the groundwater analytical results, the groundwater at the subject property is impacted with petroleum related VOCs, SVOCs, and metals. However, groundwater at the subject property is not used as a drinking water source. Further, no discernable soil source of the groundwater exceedances was encountered, indicating likely diffuse urban groundwater impacts.

### *Sub-Slab Soil Gas*

Based on the analytical results of the soil gas samples compared to EPA criteria, there is evidence of PCE impacts in soil gas below the subject property. Further, comparison of the PCE concentrations detected in soil gas samples SG-1 through SG-3 to the NYSDOH Decision Matrices indicates the need for additional investigation and/ mitigation of PCE impacts.

However, Partner understands that the proposed redevelopment of the subject property will include the excavation of the site to at least one level below grade and will include a vapor barrier (or other vapor mitigation system as directed by OER). Based upon this proposed redevelopment PSG does not expect the findings of this report to have any material impact on the redevelopment schedule and recommends that the findings of this assessment be presented to OER and that any additional investigation and/or remediation be conducted at their direction.



## 5.0 SUMMARY AND CONCLUSIONS

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PSG conducted a Phase II Subsurface Investigation at the subject property to evaluate the potential impact of VOCs, SVOCs, PCBs, pesticides, and/or metals to soil, groundwater, and/or soil gas as a consequence of a release or releases from the former and current subject property operations. PSG understands the subject property is subject to a New York City E-Designation, and therefore, redevelopment at the subject property will be conducted under New York City OER oversight.

The scope of the Phase II Subsurface Investigation included a geophysical survey, the advancement of four borings (B-1 through B-4) to collect representative soil and groundwater samples, and the collection of four soil gas samples (SG-1 through SG-4).

Four borings B-1 through B-4 were advanced on the subject property. Groundwater was encountered in the borings during this investigation between 19 and 20 feet bgs.

The soil and groundwater samples were analyzed for VOCs, SVOCs, pesticides, PCBs, and TAL metals. The groundwater metals samples were analyzed both *total* and *dissolved* metals. The soil gas samples were analyzed for VOCs.

The analytical soil results indicate no soil direct-contact exceedances.

Based on the groundwater analytical results, the groundwater at the subject property is impacted with VOCs, SVOCs, and metals. However, the groundwater at the subject property is not used as a drinking water source. Further, no discernable soil source of the groundwater exceedances was encountered, indicating likely diffuse urban groundwater impacts.

Based on the analytical results of the soil gas samples compared to EPA criteria and NYSDOH matrices, there is evidence of PCE impacts in soil gas below the subject property. However, Partner understands that the proposed redevelopment of the subject property will include the excavation of the site to at least one level below grade and will include a vapor barrier (or other vapor mitigation system as directed by OER). Based upon this proposed redevelopment PSG does not expect the findings of this report to have any material impact on the redevelopment schedule and recommends that the findings of this assessment be presented to OER and that any additional investigation and/or remediation be conducted at their direction.

## TABLES

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Table 1 : Summary of Investigation Scope  
10-16 Beach 19th Street  
Queens, New York 11691  
PSG Project Number 20-286219.1  
July 7 and 14, 2020

| Borehole Identification | Location                                                                                                               | Terminal Depth (feet bgs) | Sample Identification | Matrix Sampled    | Sampling Depths (feet bgs) | Target Contaminants                                                              |
|-------------------------|------------------------------------------------------------------------------------------------------------------------|---------------------------|-----------------------|-------------------|----------------------------|----------------------------------------------------------------------------------|
| <b>B-1</b>              | Exterior northwestern portion of property near GPR detected heating oil UST anomaly                                    | 25.0                      | B-1                   | Soil              | 18.0-19.0                  | VOCs (8260), SVOCs (8270), PCBs (8082), Pesticides (8081), TAL Metals (60107471) |
|                         |                                                                                                                        |                           | B-1GW                 | Groundwater       | 20.0-25.0                  |                                                                                  |
| <b>B-2</b>              | Interior northeastern portion of property (active automotive repair workshop) near a former in-ground hydraulic lift   | 25.0                      | B-2                   | Soil              | 14.0-15.0                  | VOCs (8260), SVOCs (8270), PCBs (8082), Pesticides (8081), TAL Metals (60107471) |
|                         |                                                                                                                        |                           | B-2GW                 | Groundwater       | 20.0-25.0                  |                                                                                  |
| <b>B-3</b>              | Interior central portion of property (abandoned automotive repair workshop) in an area of floor staining               | 25.0                      | B-3                   | Soil              | 2.0-3.0                    | VOCs (8260), SVOCs (8270), PCBs (8082), Pesticides (8081), TAL Metals (60107471) |
|                         |                                                                                                                        |                           | B-3GW                 | Groundwater       | 20.0-25.0                  |                                                                                  |
| <b>B-4</b>              | Interior western portion of property (abandoned automotive repair workshop) near GPR detected gasoline oil UST anomaly | 25.0                      | B-4                   | Soil              | 16.0-17.0                  | VOCs (8260), SVOCs (8270), PCBs (8082), Pesticides (8081), TAL Metals (60107471) |
|                         |                                                                                                                        |                           | B-4GW                 | Groundwater       | 20.0-25.0                  |                                                                                  |
| <b>SG-1</b>             | Adjacent to boring B-4                                                                                                 | 1.0                       | SG-1                  | Sub-slab Soil gas | 0.5 - 1.0                  | VOCs (TO-15)                                                                     |
| <b>SG-2</b>             | Adjacent to boring B-3                                                                                                 | 1.0                       | SG-2                  | Sub-slab Soil gas | 0.5 - 1.0                  | VOCs (TO-15)                                                                     |
| <b>SG-3</b>             | Interior central portion of property (abandoned automotive repair workshop)                                            | 1.0                       | SG-3                  | Sub-slab Soil gas | 0.5 - 1.0                  | VOCs (TO-15)                                                                     |
| <b>SG-4</b>             | Interior western portion of property (abandoned automotive repair workshop)                                            | 1.0                       | SG-4                  | Sub-slab Soil gas | 0.5 - 1.0                  | VOCs (TO-15)                                                                     |

**Notes:**

VOCs (8260)= Volatile organic compounds in accordance with United States Environmental Protection Agency (EPA) method 8260

SVOCs (8270)= Semi-volatile organic compounds in accordance with United States Environmental Protection Agency (EPA) method 8270

PCBs = Polychlorinated biphenyls

TAL = Target analyte list

bgs = Below ground surface

GPR = Ground penetrating radar

UST = Underground storage tank

Table 2 : Soil Sample Laboratory Results Summary  
10-16 Beach 19th Street  
Queens, New York 11691  
PSG Project Number 20-286219.1  
July 14, 2020

| ANALYTE                             | SCO<br>Unrestricted | SCO<br>Groundwater<br>Protection | SCO<br>Commercial | B-1       | B-2       | B-3      | B-4       |
|-------------------------------------|---------------------|----------------------------------|-------------------|-----------|-----------|----------|-----------|
| Sampling Depth ( feet bgs)          |                     |                                  |                   | 18.0-19.0 | 14.0-15.0 | 2.0-3.0  | 16.0-17.0 |
| <b>VOCs via 8260 (mg/kg)</b>        |                     |                                  |                   |           |           |          |           |
| 1,2,4,5-Tetramethylbenzene          | NE                  | NE                               | NE                | 0.0027    | <0.002    | <0.0022  | <0.0021   |
| Acetone                             | 0.05                | 0.05                             | 500               | 0.11      | 0.013     | 0.012    | 0.016     |
| Bromomethane                        | NE                  | NE                               | NE                | <0.0019   | 0.00073J  | 0.00076J | <0.0021   |
| n-Butylbenzene                      | 12                  | 12                               | 500               | 0.0028    | <0.001    | <0.0011  | <0.001    |
| p-Isopropyltoluene                  | NE                  | NE                               | NE                | 0.0004J   | <0.001    | <0.0011  | <0.001    |
| sec-Butylbenzene                    | 11                  | 11                               | 500               | 0.0014    | <0.001    | <0.0011  | <0.001    |
| Tetrachloroethene                   | 1.3                 | 1.3                              | 150               | 0.00051   | 0.0008    | 0.011    | <0.00053  |
| <b>SVOCs via 8270 (mg/kg)</b>       |                     |                                  |                   |           |           |          |           |
| Anthracene                          | 100                 | 1000                             | 500               | 0.091J    | <0.1      | <0.1     | <0.1      |
| Bis(2-ethylhexyl)phthalate          | NE                  | NE                               | NE                | <0.17     | 0.088J    | <0.18    | <0.17     |
| Fluoranthene                        | 100                 | 1000                             | 500               | 0.038J    | <0.1      | <0.1     | <0.1      |
| Naphthalene                         | 12                  | 12                               | 500               | 0.029J    | <0.17     | <0.18    | <0.17     |
| Phenanthrene                        | 100                 | 1000                             | 500               | 0.12      | <0.1      | <0.1     | <0.1      |
| Pyrene                              | 100                 | 1000                             | 500               | 0.2       | <0.1      | 0.017J   | <0.1      |
| <b>Pesticides via 8081 (mg/kg)</b>  |                     |                                  |                   |           |           |          |           |
| Pesticides not detected             |                     |                                  |                   |           |           |          |           |
| <b>PCBs via 8082 (mg/kg)</b>        |                     |                                  |                   |           |           |          |           |
| Aroclor 1248                        | 0.1                 | 3.2                              | 1                 | <0.0336   | 0.00652J  | <0.0339  | <0.0331   |
| <b>Metals via 6010/7471 (mg/kg)</b> |                     |                                  |                   |           |           |          |           |
| Aluminum, Total                     | NE                  | NE                               | NE                | 925       | 4530      | 2730     | 648       |
| Antimony, Total                     | NE                  | NE                               | NE                | <4.04     | 0.598J    | <4.18    | <3.95     |
| Arsenic, Total                      | 13                  | 16                               | 16                | 1.16      | 3.59      | 1.31     | 1.19      |
| Barium, Total                       | 350                 | 820                              | 400               | 4.07      | 34.9      | 7.27     | 2.44      |
| Beryllium, Total                    | 7.2                 | 47                               | 590               | 0.04J     | 0.105J    | 0.05J    | 0.032J    |
| Calcium, Total                      | NE                  | NE                               | NE                | 387       | 787       | 289      | 28.1      |
| Chromium, Total                     | NE                  | NE                               | NE                | 25.9      | 10.3      | 4.19     | 6.45      |
| Cobalt, Total                       | NE                  | NE                               | NE                | 0.752J    | 1.46J     | 0.895J   | 0.467J    |
| Copper, Total                       | 50                  | 1720                             | 270               | 3.32      | 7.09      | 2.46     | 1.38      |
| Iron, Total                         | NE                  | NE                               | NE                | 3590      | 10800     | 4790     | 1730      |
| Lead, Total                         | 63                  | 450                              | 1000              | 3.8J      | 168       | 11.7     | 0.506J    |
| Magnesium, Total                    | NE                  | NE                               | NE                | 162       | 299       | 148      | 43.1      |
| Manganese, Total                    | 1600                | 2000                             | 10000             | 23.6      | 48.4      | 30.3     | 12        |
| Mercury, Total                      | 0.18                | 0.73                             | 2.8               | <0.066    | 0.284     | <0.067   | <0.064    |
| Nickel, Total                       | 30                  | 130                              | 310               | 3.16      | 3.4       | 1.8J     | 0.941J    |
| Potassium, Total                    | NE                  | NE                               | NE                | 106J      | 178J      | 96.4J    | 49.9J     |
| Sodium, Total                       | NE                  | NE                               | NE                | 16J       | 47.4J     | 16.1J    | 12.6J     |
| Vanadium, Total                     | NE                  | NE                               | NE                | 4.04      | 14.6      | 6.35     | 2.49      |
| Zinc, Total                         | 109                 | 2480                             | 10000             | 4.39      | 89        | 6.38     | 1.17J     |

#### Notes

SCO Unrestricted = New York Department of Environmental Conservation (NYSDEC) Soil Cleanup Objective(SCO) for Unrestricted Use

SCO Groundwater Protection = NYSDEC Protection of Groundwater Use Soil Cleanup Objective

SCO Commercial = NYSDEC Soil Cleanup Objective for Commercial Use

VOCs = Volatile Organic Compounds in accordance with Environmental Protection Agency (EPA) method 8260

SVOCs = Semi-Volatile Organic Compounds in accordance with EPA method 8270

PCBs = Polychlorinated biphenyls in accordance with EPA method 8082

mg/kg = milligram per kilogram

< = not detected above indicated laboratory method detection limit (MDL)

J = Estimated value. The target analyte concentration detected below laboratory quantitation limit

bgs = below ground surface

NE = Not Established

Exceeds standard

Table 3 : Groundwater Sample Laboratory Results Summary  
10-16 Beach 19th Street  
Queens, New York 11691  
PSG Project Number 20-286219.1  
July 14, 2020

| ANALYTE                                      | NY-AWQS | B-1GW | B-2GW | B-3GW | B-4GW |
|----------------------------------------------|---------|-------|-------|-------|-------|
| <b>VOCs via EPA method 8260 (µg/l)</b>       |         |       |       |       |       |
| 1,2,4,5-Tetramethylbenzene                   | 5       | 14    | 17    | <2    | <2    |
| Acetone                                      | 50      | 10    | 4.8J  | 12    | 7.4   |
| Carbon disulfide                             | 60      | 2.3J  | <5    | <5    | <5    |
| Chloroform                                   | 7       | 22    | <2.5  | <2.5  | 0.71J |
| n-Butylbenzene                               | 5       | 12    | 2.3J  | <2.5  | <2.5  |
| n-Propylbenzene                              | 5       | <2.5  | 1.5J  | <2.5  | <2.5  |
| p-Diethylbenzene                             | NE      | 60    | 14    | <2    | <2    |
| p-Isopropyltoluene                           | 5       | 2.4J  | 1.1J  | <2.5  | <2.5  |
| sec-Butylbenzene                             | 5       | 8.6   | 15    | 0.74J | 1.3J  |
| Tetrachloroethene                            | 5       | 1.2   | 0.76  | 1.7   | 2.3   |
| Trichloroethene                              | 5       | <0.5  | <0.5  | <0.5  | 0.25J |
| <b>SVOCs via EPA method 8270 (µg/l)</b>      |         |       |       |       |       |
| Di-n-butylphthalate                          | 50      | 7.1   | 2.1J  | 0.4J  | 0.56J |
| Diethyl phthalate                            | 50      | <5    | 1.3J  | <5    | <5    |
| Acenaphthene                                 | 20      | 0.06J | 0.04J | <0.1  | <0.1  |
| Acenaphthylene                               | NE      | 0.05J | 0.04J | <0.1  | 0.01J |
| Anthracene                                   | 50      | 0.13  | <0.1  | 0.08J | 0.03J |
| Benzo(a)anthracene                           | 0.002   | <0.1  | 0.05J | <0.1  | 0.02J |
| Benzo(a)pyrene                               | 0.002   | <0.1  | 0.04J | <0.1  | 0.04J |
| Benzo(b)fluoranthene                         | 0.002   | <0.1  | 0.06J | <0.1  | 0.06J |
| Benzo(ghi)perylene                           | NE      | <0.1  | 0.08J | <0.1  | 0.04J |
| Benzo(k)fluoranthene                         | 0.002   | <0.1  | 0.02J | <0.1  | 0.03J |
| Chrysene                                     | 0.002   | 0.02J | 0.06J | 0.01J | 0.03J |
| Fluoranthene                                 | 50      | 0.04J | 0.11  | 0.1   | 0.05J |
| Fluorene                                     | 50      | 0.09J | 0.2   | <0.1  | <0.1  |
| Indeno(1,2,3-cd)pyrene                       | 0.002   | <0.1  | 0.02J | <0.1  | 0.03J |
| Naphthalene                                  | 10      | 1.3   | 0.79  | 0.16  | <0.1  |
| Pentachlorophenol                            | 1       | <0.8  | <0.8  | 0.32J | <0.8  |
| Phenanthrene                                 | 50      | 0.62  | 0.35  | 0.19  | 0.04J |
| Pyrene                                       | 50      | 0.11  | 0.45  | 0.22  | 0.14  |
| <b>Pesticides via EPA method 8081 (µg/l)</b> |         |       |       |       |       |
| Pesticides not detected                      |         |       |       |       |       |
| <b>PCBs via EPA method 8082 (µg/l)</b>       |         |       |       |       |       |
| PCBs not detected                            |         |       |       |       |       |

**Notes:**

NY-AWQS=New York TOGS 111 Ambient Water Quality Standards criteria reflects all addendum to criteria through June 2004.

VOCs = Volatile Organic Compounds in accordance with Environmental Protection Agency (EPA) method 8260

SVOCs = Semi-Volatile Organic Compounds in accordance with EPA method 8270

PCBs = Polychlorinated biphenyls in accordance with EPA method 8082

NE = Not Established

EPA = United States Environmental Protection Agency

µg/l = micrograms per liter

J = Estimated value. The target analyte concentration detected below laboratory quantitation limit

< = not detected above indicated laboratory reporting limit (RL)

Exceeds standard

Laboratory method detection limit (MDL)/reporting limit (RL) exceeds or equal to New York Criteria

Table 3 : Groundwater Sample Laboratory Results Summary  
10-16 Beach 19th Street  
Queens, New York 11691  
PSG Project Number 20-286219.1  
July 14, 2020

| ANALYTE                                                 | NY-AWQS | B-1GW  | B-2GW  | B-3GW  | B-4GW  |
|---------------------------------------------------------|---------|--------|--------|--------|--------|
| <b>Total Metals via EPA method 6010/7471 (µg/l)</b>     |         |        |        |        |        |
| Aluminum, Total                                         | NE      | 24400  | 73800  | 32800  | 35800  |
| Antimony, Total                                         | 3       | 0.87J  | 0.71J  | 0.6J   | 0.43J  |
| Arsenic, Total                                          | 25      | 22.21  | 27.71  | 18.94  | 18.2   |
| Barium, Total                                           | 1000    | 639    | 397.4  | 317.5  | 416.4  |
| Beryllium, Total                                        | 3       | 5.24   | 12.3   | 6.37   | 5.6    |
| Cadmium, Total                                          | 5       | 0.74   | 2.88   | 0.58   | 0.66   |
| Calcium, Total                                          | NE      | 14300  | 44400  | 73000  | 78200  |
| Chromium, Total                                         | 50      | 1605   | 865.9  | 493.3  | 528.2  |
| Cobalt, Total                                           | NE      | 39.73  | 250.1  | 81.47  | 106.6  |
| Copper, Total                                           | 200     | 74.2   | 197.2  | 143.2  | 158.3  |
| Iron, Total                                             | 300     | 150000 | 227000 | 128000 | 131000 |
| Lead, Total                                             | 25      | 672.5  | 462.1  | 588.6  | 463.1  |
| Magnesium, Total                                        | 35000   | 2920   | 6260   | 7960   | 6590   |
| Manganese, Total                                        | 300     | 864.9  | 3548   | 1619   | 1739   |
| Mercury, Total                                          | 0.7     | 1.24   | 2.36   | 0.52   | 0.66   |
| Nickel, Total                                           | 100     | 186.7  | 624.6  | 105.5  | 94.7   |
| Potassium, Total                                        | NE      | 4400   | 5000   | 7920   | 13300  |
| Selenium, Total                                         | 10      | 16.2   | 27.5   | 20.6   | 22.6   |
| Silver, Total                                           | 50      | <0.4   | 0.21J  | <0.4   | <0.4   |
| Sodium, Total                                           | 20000   | 15000  | 4520   | 77700  | 207000 |
| Thallium, Total                                         | 0.5     | 0.38J  | 0.89   | 0.49J  | 0.53   |
| Vanadium, Total                                         | NE      | 168.2  | 206.3  | 91.84  | 91.14  |
| Zinc, Total                                             | 2000    | 165.9  | 1088   | 113.6  | 210.3  |
| <b>Dissolved Metals via EPA method 6010/7471 (µg/l)</b> |         |        |        |        |        |
| Aluminum, Dissolved                                     | NE      | 23     | 3.49J  | <10    | 260    |
| Antimony, Dissolved                                     | 3       | 0.68J  | <4     | 0.89J  | <4     |
| Arsenic, Dissolved                                      | 25      | 1.27   | 0.68   | 0.25J  | 0.52   |
| Barium, Dissolved                                       | 1000    | 43.75  | 5.82   | 24.19  | 30.31  |
| Beryllium, Dissolved                                    | 3       | <0.5   | <0.5   | <0.5   | <0.5   |
| Cadmium, Dissolved                                      | 5       | <0.2   | <0.2   | <0.2   | <0.2   |
| Calcium, Dissolved                                      | NE      | 9030   | 28300  | 65800  | 68900  |
| Chromium, Dissolved                                     | 50      | <1     | <1     | <1     | 0.73J  |
| Cobalt, Dissolved                                       | NE      | 4.91   | 5.06   | 32.94  | 30.54  |
| Copper, Dissolved                                       | 200     | <1     | <1     | 0.52J  | 0.56J  |
| Iron, Dissolved                                         | 300     | 13000  | 1530   | 5370   | 3000   |
| Lead, Dissolved                                         | 25      | 5.08   | <1     | <1     | 0.73J  |
| Magnesium, Dissolved                                    | 35000   | 1160   | 2390   | 6200   | 4400   |
| Manganese, Dissolved                                    | 300     | 289    | 618.6  | 876.4  | 732.8  |
| Mercury, Dissolved                                      | 0.7     | <0.2   | <0.2   | <0.2   | <0.2   |
| Nickel, Dissolved                                       | 100     | 13.73  | 4.37   | 17.09  | 11.7   |
| Potassium, Dissolved                                    | NE      | 2280   | 2300   | 6040   | 11100  |
| Selenium, Dissolved                                     | 10      | <5     | <5     | <5     | 3.03J  |
| Silver, Dissolved                                       | 50      | <0.4   | <0.4   | <0.4   | <0.4   |
| Sodium, Dissolved                                       | 20000   | 14000  | 3600   | 77600  | 215000 |
| Thallium, Dissolved                                     | 0.5     | <0.5   | <0.5   | <0.5   | <0.5   |
| Vanadium, Dissolved                                     | NE      | <5     | <5     | <5     | <5     |
| Zinc, Dissolved                                         | 2000    | 7.66J  | 3.88J  | 4.53J  | 4.28J  |

**Notes:**

NY-AWQS=New York TOGS 111 Ambient Water Quality Standards criteria reflects all addendum to criteria through June 2004.

NE = Not Established

EPA = United States Environmental Protection Agency

µg/l = micrograms per liter

J = Estimated value. The target analyte concentration detected below laboratory quantitation limit

< = not detected above indicated laboratory reporting limit (RL)

Exceeds standard

Laboratory method detection limit (MDL)/reporting limit (RL) exceeds or equal to New York Criteria

Table 4 : Sub-Slab Soil Gas Sample Laboratory Results Summary  
10-16 Beach 19th Street  
Queens, New York 11691  
Partner Project Number 20-286219.1  
July 9, 2020

| ANALYTE                                             | EPA<br>Commercial<br>VISL (10 <sup>-6</sup> )* | EPA<br>Commercial<br>VISL (10 <sup>-5</sup> )* | EPA<br>Commercial<br>VISL (10 <sup>-4</sup> )* | SG-1  | SG-2  | SG-3  | SG-4  |
|-----------------------------------------------------|------------------------------------------------|------------------------------------------------|------------------------------------------------|-------|-------|-------|-------|
| <b>VOCs via EPA Method TO-15 (µg/m<sup>3</sup>)</b> |                                                |                                                |                                                |       |       |       |       |
| 1,1,1-Trichloroethane                               | 73000                                          | 73000                                          | 73000                                          | <4.54 | <13.6 | <2.18 | 1.19  |
| 1,2,4-Trimethylbenzene                              | 876                                            | 876                                            | 876                                            | <4.1  | <12.3 | 5.16  | 3.35  |
| 1,3,5-Trimethylbenzene                              | 876                                            | 876                                            | 876                                            | <4.1  | <12.3 | 3.36  | 2.14  |
| 1,3-Butadiene                                       | 13.6                                           | 29.2                                           | 29.2                                           | <1.84 | <5.53 | 1.23  | 1.94  |
| 2-Butanone                                          | 73000                                          | 73000                                          | 73000                                          | <6.13 | <18.4 | 18.8  | 2.21  |
| 4-Ethyltoluene                                      | NE                                             | NE                                             | NE                                             | <4.1  | <12.3 | <1.97 | 1.1   |
| Acetone                                             | 451000                                         | 451000                                         | 451000                                         | 20.4  | <29.7 | 134   | 11.3  |
| Benzene                                             | 52.4                                           | 438                                            | 438                                            | <2.66 | <7.99 | 2.96  | 0.789 |
| Carbon disulfide                                    | 102000                                         | 102000                                         | 102000                                         | <2.59 | <7.79 | <1.25 | 2.07  |
| Chloroform                                          | 17.8                                           | 178                                            | 1430                                           | 8.4   | <12.2 | <1.95 | 1.74  |
| Cyclohexane                                         | 87600                                          | 87600                                          | 87600                                          | 4.2   | <8.61 | <1.38 | 1.81  |
| Dichlorodifluoromethane                             | 1460                                           | 1460                                           | 1460                                           | <4.12 | <12.4 | 2.4   | 3.39  |
| Ethanol                                             | NE                                             | NE                                             | NE                                             | 40.3  | <118  | 45.6  | 13.1  |
| Ethylbenzene                                        | 164                                            | 1640                                           | 14600                                          | <3.62 | <10.9 | <1.74 | 0.964 |
| Heptane                                             | 5840                                           | 5840                                           | 5840                                           | 4.03  | 13.3  | 2.12  | 2     |
| Isopropanol                                         | 2920                                           | 2920                                           | 2920                                           | <5.11 | <15.4 | 6.96  | <1.23 |
| n-Hexane                                            | 10200                                          | 10200                                          | 10200                                          | 22.6  | 22.6  | <1.41 | 2.73  |
| o-Xylene                                            | 1460                                           | 1460                                           | 1460                                           | <3.62 | <10.9 | 2.53  | 1.02  |
| p/m-Xylene                                          | NE                                             | NE                                             | NE                                             | <7.25 | <21.7 | 3.76  | 1.74  |
| Tetrachloroethene                                   | 584                                            | 584                                            | 584                                            | 1670  | 4360  | 949   | 90.9  |
| Toluene                                             | 73000                                          | 73000                                          | 73000                                          | 7.5   | <9.42 | 3.92  | 0.987 |
| Trichloroethene                                     | 29.2                                           | 29.2                                           | 29.2                                           | 6.5   | <13.4 | <2.15 | <1.07 |
| Trichlorofluoromethane                              | NE                                             | NE                                             | NE                                             | <4.68 | <14   | <2.25 | 1.75  |

**Notes:**

VOCs = Volatile Organic Compounds

EPA = United States Environmental Protection Agency

µg/m<sup>3</sup> = micrograms per cubic meter

VISL = Vapor Intrusion Screening Level

\* = Target Soil-Gas Concentrations for Carcinogens in the Commercial Exposure Scenario

NE = not established

< = not detected above the indicated laboratory reporting limit (RL)

Exceeds criteria

## FIGURES

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**PSG** Engineering and  
Geology, D.P.C.  
362 Fifth Avenue, Suite 501  
New York, New York 10001

Project Number: 20-286219.1



### Legend

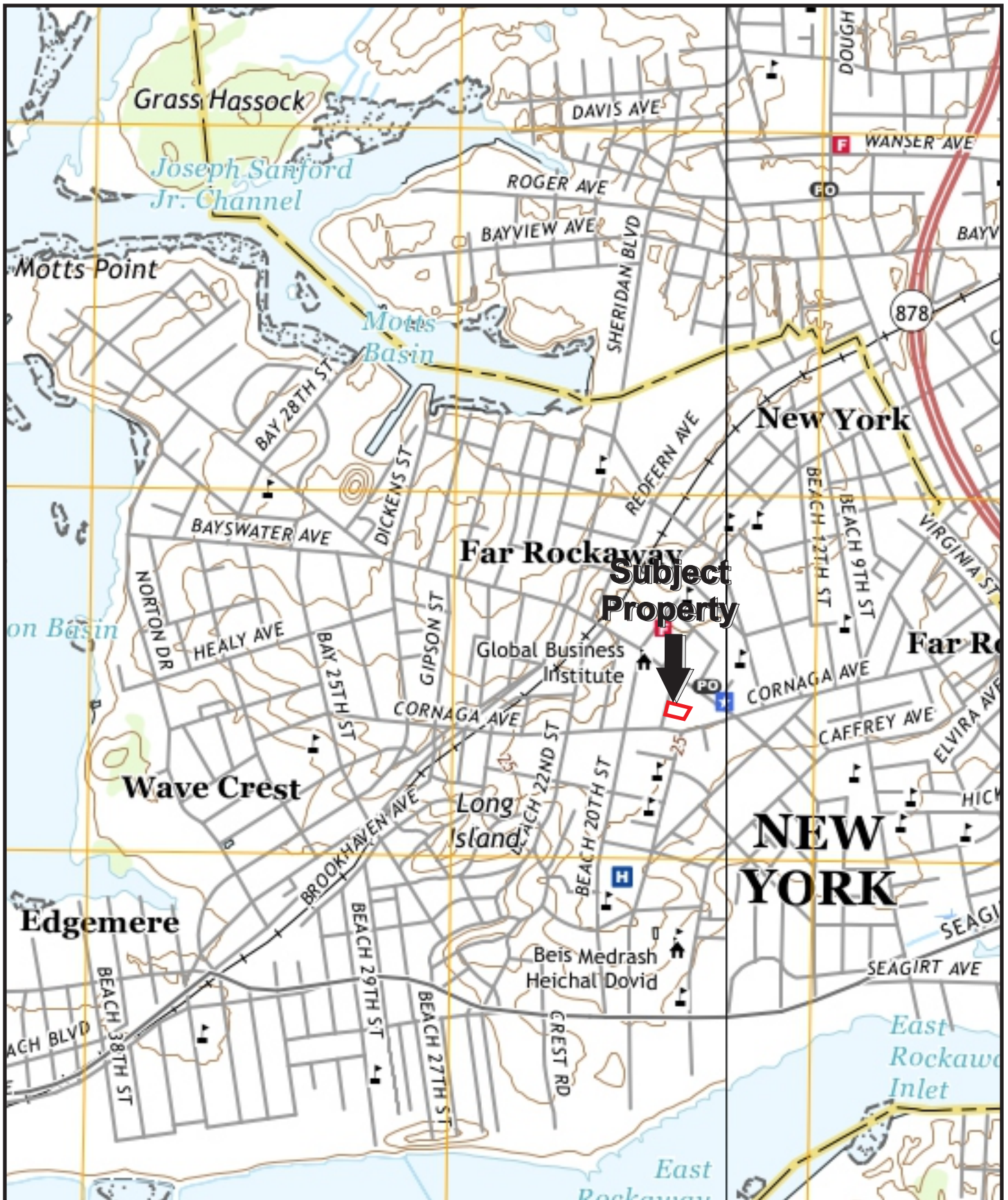
Subject Property



### Site Vicinity Map

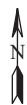
| Figure                                            | Prepared By | Date      |
|---------------------------------------------------|-------------|-----------|
| 1                                                 | J. Lokko    | July 2020 |
| 10-16 Beach 19th Street<br>Queens, New York 11691 |             |           |





**PSG** Engineering and  
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362 Fifth Avenue, Suite 501  
New York, New York 10001

Project Number: 20-286219.1

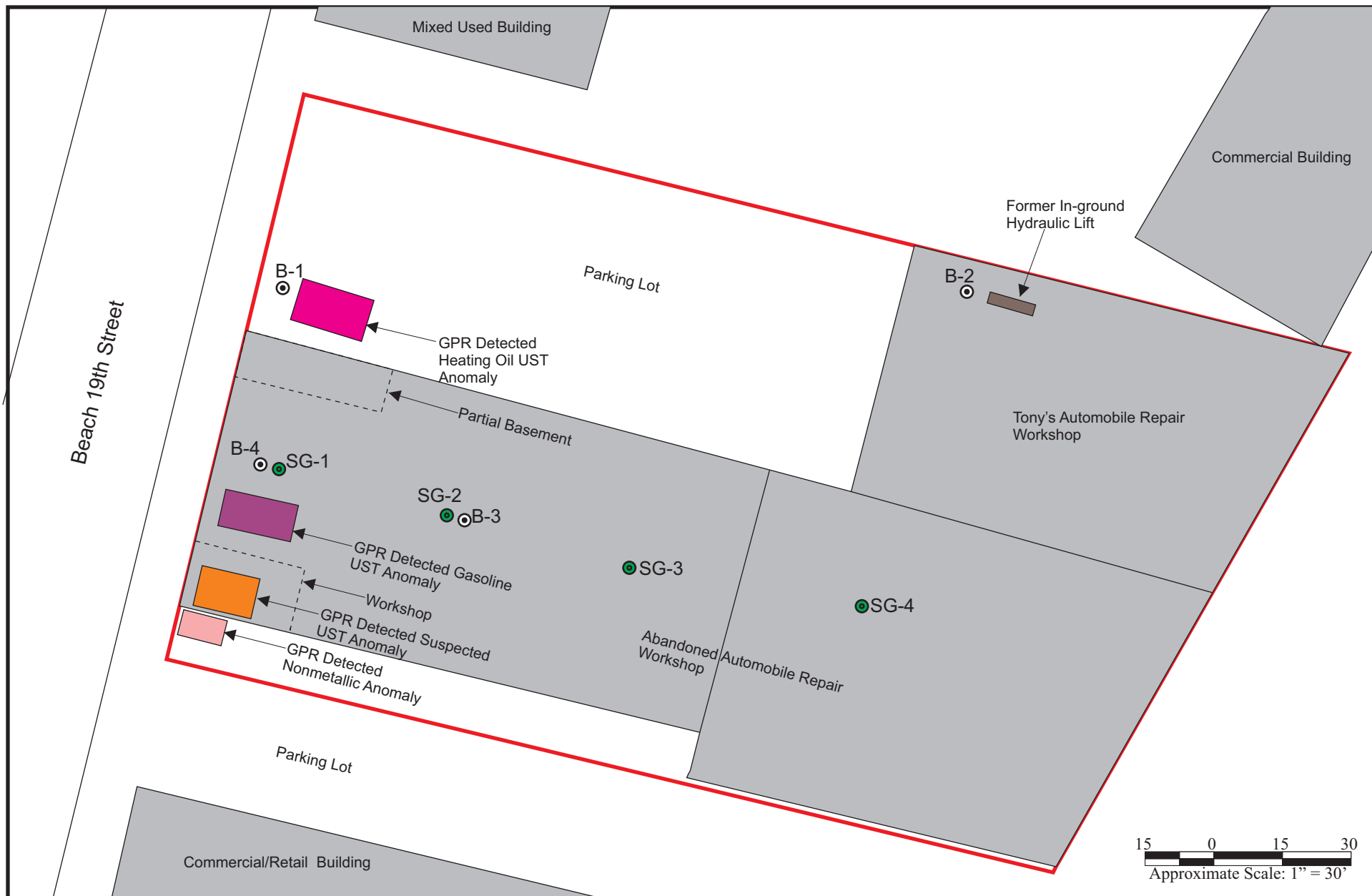


USGS *Far Rockaway*  
*New York* Quadrangle  
Version: 2019

### Topographic Map

| Figure | Prepared By | Date      |
|--------|-------------|-----------|
| 2      | J. Lokko    | July 2020 |

10-16 Beach 19th Street  
Queens, New York 11691



**PSG** Engineering and  
Geology, D.P.C

362 Fifth Avenue, Suite 501  
New York, New York 10001

Project Number: 20-286219.1



Subject Property

Soil /Groundwater  
Sample Location



## Legend

Sub-Slab Soil Gas  
Sample Location



## Sample Location Map

| Figure | Prepared By | Date      |
|--------|-------------|-----------|
| 3      | J. Lokko    | July 2020 |

10-16 Beach 19th Street  
Queens, New York 11691

## APPENDIX A: BORING LOGS

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|                     |        |                                                                                     |      |                                                                   |                                                                                                             |                |
|---------------------|--------|-------------------------------------------------------------------------------------|------|-------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|----------------|
| Boring Number:      |        | B-1                                                                                 |      |                                                                   | Page 1 of 1                                                                                                 |                |
| Location:           |        | Exterior northwestern portion of property near GPR detected heating oil UST anomaly |      |                                                                   | Date Started:                                                                                               | 7/14/2020      |
| Site Address:       |        | 10-16 Beach 19th Street                                                             |      |                                                                   | Date Completed:                                                                                             | 7/14/2020      |
|                     |        | Queens, New York 11691                                                              |      |                                                                   | Depth to Groundwater:                                                                                       | 20.0 feet      |
| Project Number:     |        | 20-286219.1                                                                         |      |                                                                   | Field Technician:                                                                                           | Jonathan Lokko |
| Drill Rig Type:     |        | Geoprobe 6620DT                                                                     |      |                                                                   | PSG Engineering and Geology, D.P.C                                                                          |                |
| Sampling Equipment: |        | 5 ft Macrocores                                                                     |      |                                                                   | 362 Fifth Avenue, Suite 501                                                                                 |                |
| Borehole Diameter:  |        | 2 inch                                                                              |      |                                                                   | New York, New York 10001                                                                                    |                |
| Depth               | Sample | PID                                                                                 | USCS | Description                                                       | Notes                                                                                                       |                |
| 1                   |        | 0.0                                                                                 | SM   | Asphalt and gravel                                                | 3.0 feet recovery. No petroleum-like odors or staining observed.                                            |                |
| 2                   |        | 0.0                                                                                 |      | Brown medium Sand with gravel                                     |                                                                                                             |                |
| 3                   |        | 0.0                                                                                 |      |                                                                   |                                                                                                             |                |
| 4                   |        | 0.0                                                                                 |      |                                                                   |                                                                                                             |                |
| 5                   |        | 0.0                                                                                 |      |                                                                   |                                                                                                             |                |
| 6                   |        | 14.1                                                                                | SM   | Brown medium Sand with gravel                                     | 3.0 feet recovery. No petroleum-like odors or staining observed                                             |                |
| 7                   |        | 17.9                                                                                |      |                                                                   |                                                                                                             |                |
| 8                   |        | 37.1                                                                                |      |                                                                   |                                                                                                             |                |
| 9                   |        | 37.9                                                                                |      |                                                                   |                                                                                                             |                |
| 10                  |        | 40.4                                                                                |      |                                                                   |                                                                                                             |                |
| 11                  |        | 28.1                                                                                | SM   | Brown fine to medium Sand with gravel                             | 3.0 feet recovery. No petroleum-like odors or staining observed                                             |                |
| 12                  |        | 30.1                                                                                |      |                                                                   |                                                                                                             |                |
| 13                  |        | 30.1                                                                                |      |                                                                   |                                                                                                             |                |
| 14                  |        | 30.6                                                                                |      |                                                                   |                                                                                                             |                |
| 15                  |        | 31.8                                                                                |      |                                                                   |                                                                                                             |                |
| 16                  | B-1    | 38.9                                                                                | SM   | Brown fine to medium Sand with gravel, slightly wet at 19-20 feet | 4.8 feet recovery. No petroleum-like odors or staining observed                                             |                |
| 17                  |        | 38.4                                                                                |      |                                                                   | Soil sample B-1 collected at 9:30 from interval 18.0 - 19.0 feet bgs.                                       |                |
| 18                  |        | 41.7                                                                                |      |                                                                   |                                                                                                             |                |
| 19                  |        | 44.2                                                                                |      |                                                                   |                                                                                                             |                |
| 20                  |        | 42.1                                                                                |      |                                                                   |                                                                                                             |                |
| 21                  |        | 40.4                                                                                | SM   | Brown fine to medium Sand with gravel, saturated                  | 4.9 feet recovery. Slight petroleum-like odors noticed at 24-25 feet                                        |                |
| 22                  |        | 26.7                                                                                |      |                                                                   |                                                                                                             |                |
| 23                  |        | 27.9                                                                                |      |                                                                   |                                                                                                             |                |
| 24                  |        | 38.9                                                                                |      |                                                                   |                                                                                                             |                |
| 25                  |        | 39.1                                                                                |      |                                                                   |                                                                                                             |                |
|                     |        |                                                                                     |      | Boring terminated at 25 feet bgs                                  | Boring converted to temporary well point B-1GW at terminal depth of 25 ft; screened from 20 to 25 feet bgs. |                |

|                     |        |                                                                                                                      |      |                                                                   |                                                                                                             |                |
|---------------------|--------|----------------------------------------------------------------------------------------------------------------------|------|-------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|----------------|
| Boring Number:      |        | B-2                                                                                                                  |      |                                                                   | Page 1 of 1                                                                                                 |                |
| Location:           |        | Interior northeastern portion of property (active automotive repair workshop) near a former in-ground hydraulic lift |      |                                                                   | Date Started:                                                                                               | 7/14/2020      |
| Site Address:       |        | 10-16 Beach 19th Street                                                                                              |      |                                                                   | Date Completed:                                                                                             | 7/14/2020      |
|                     |        | Queens, New York 11691                                                                                               |      |                                                                   | Depth to Groundwater:                                                                                       | 18.0 feet      |
| Project Number:     |        | 20-286219.1                                                                                                          |      |                                                                   | Field Technician:                                                                                           | Jonathan Lokko |
| Drill Rig Type:     |        | Geoprobe 6620DT                                                                                                      |      |                                                                   | PSG Engineering and Geology, D.P.C                                                                          |                |
| Sampling Equipment: |        | 5 ft Macrocores                                                                                                      |      |                                                                   | 362 Fifth Avenue, Suite 501                                                                                 |                |
| Borehole Diameter:  |        | 2 inch                                                                                                               |      |                                                                   | New York, New York 10001                                                                                    |                |
| Depth               | Sample | PID                                                                                                                  | USCS | Description                                                       | Notes                                                                                                       |                |
| 1                   |        | 0.0                                                                                                                  | SM   | Concrete and gravel                                               | 3.0 feet recovery. No petroleum-like odors or staining observed.                                            |                |
| 2                   |        | 3.5                                                                                                                  |      | Brown medium Sand with gravel                                     |                                                                                                             |                |
| 3                   |        | 1.9                                                                                                                  |      |                                                                   |                                                                                                             |                |
| 4                   |        | 1.4                                                                                                                  |      |                                                                   |                                                                                                             |                |
| 5                   |        | 1.2                                                                                                                  |      |                                                                   |                                                                                                             |                |
| 6                   |        | 1.7                                                                                                                  | SM   | Brown medium Sand with gravel                                     | 3.0 feet recovery. No petroleum-like odors or staining observed                                             |                |
| 7                   |        | 1.8                                                                                                                  |      |                                                                   |                                                                                                             |                |
| 8                   |        | 1.9                                                                                                                  |      |                                                                   |                                                                                                             |                |
| 9                   |        | 1.9                                                                                                                  |      |                                                                   |                                                                                                             |                |
| 10                  |        | 1.9                                                                                                                  |      |                                                                   |                                                                                                             |                |
| 11                  | B-2    | 3.2                                                                                                                  | SM   | Brown medium Sand with gravel                                     | 3.0 feet recovery. No petroleum-like odors or staining observed                                             |                |
| 12                  |        | 4.3                                                                                                                  |      |                                                                   |                                                                                                             |                |
| 13                  |        | 14.6                                                                                                                 |      |                                                                   |                                                                                                             |                |
| 14                  |        | 20.4                                                                                                                 |      |                                                                   |                                                                                                             |                |
| 15                  |        | 28.1                                                                                                                 |      |                                                                   | Soil sample B-2 collected at 11:00 from interval 14.0 - 15.0 feet bgs.                                      |                |
| 16                  |        | 1.9                                                                                                                  | SM   | Brown fine to medium Sand with gravel, slightly wet at 18-20 feet | 4.0 feet recovery. No petroleum-like odors or staining observed                                             |                |
| 17                  |        | 0.9                                                                                                                  |      |                                                                   |                                                                                                             |                |
| 18                  |        | 0.7                                                                                                                  |      |                                                                   |                                                                                                             |                |
| 19                  |        | 0.6                                                                                                                  |      |                                                                   |                                                                                                             |                |
| 20                  |        | 0.6                                                                                                                  |      |                                                                   |                                                                                                             |                |
| 21                  |        | 0.6                                                                                                                  | SM   | Brown fine to medium Sand with gravel, saturated                  | 4.5 feet recovery. No petroleum-like odors or staining observed                                             |                |
| 22                  |        | 0.8                                                                                                                  |      |                                                                   |                                                                                                             |                |
| 23                  |        | 0.7                                                                                                                  |      |                                                                   |                                                                                                             |                |
| 24                  |        | 0.6                                                                                                                  |      |                                                                   |                                                                                                             |                |
| 25                  |        | 0.6                                                                                                                  |      |                                                                   |                                                                                                             |                |
|                     |        |                                                                                                                      |      | Boring terminated at 25 feet bgs                                  | Boring converted to temporary well point B-2GW at terminal depth of 25 ft; screened from 20 to 25 feet bgs. |                |

|                     |        |                                                                                                          |      |                                                            |                                                                                                                                              |                |                                       |
|---------------------|--------|----------------------------------------------------------------------------------------------------------|------|------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|----------------|---------------------------------------|
| Boring Number:      |        | B-3                                                                                                      |      |                                                            | Page 1 of 1                                                                                                                                  |                |                                       |
| Location:           |        | Interior central portion of property (abandoned automotive repair workshop) in an area of floor staining |      |                                                            | Date Started:                                                                                                                                | 7/14/2020      |                                       |
| Site Address:       |        | 10-16 Beach 19th Street                                                                                  |      |                                                            | Date Completed:                                                                                                                              | 7/14/2020      |                                       |
|                     |        | Queens, New York 11691                                                                                   |      |                                                            | Depth to Groundwater:                                                                                                                        | 20.0 feet      |                                       |
| Project Number:     |        | 20-286219.1                                                                                              |      |                                                            | Field Technician:                                                                                                                            | Jonathan Lokko |                                       |
| Drill Rig Type:     |        | Geoprobe 6620DT                                                                                          |      |                                                            | PSG Engineering and Geology, D.P.C                                                                                                           |                |                                       |
| Sampling Equipment: |        | 5 ft Macrocores                                                                                          |      |                                                            | 362 Fifth Avenue, Suite 501                                                                                                                  |                |                                       |
| Borehole Diameter:  |        | 2 inch                                                                                                   |      |                                                            | New York, New York 10001                                                                                                                     |                |                                       |
| Depth               | Sample | PID                                                                                                      | USCS | Description                                                | Notes                                                                                                                                        |                |                                       |
| 0.5                 | B-3    | 0.0                                                                                                      | SM   | Concrete                                                   | 3.0 feet recovery. No petroleum-like odors or staining observed.<br><br>Soil sample B-3 collected at 12:00 from interval 2.0 - 3.0 feet bgs. |                |                                       |
| 1                   |        | 1.7                                                                                                      |      | Brown silty Sand with gravel, glass and concrete fragments |                                                                                                                                              |                |                                       |
| 2                   |        | 1.7                                                                                                      |      |                                                            |                                                                                                                                              |                |                                       |
| 3                   |        | 1.8                                                                                                      |      |                                                            |                                                                                                                                              |                |                                       |
| 4                   |        | 0.5                                                                                                      |      |                                                            |                                                                                                                                              |                | Brown fine to medium Sand with gravel |
| 5                   |        | 0.5                                                                                                      |      |                                                            |                                                                                                                                              |                |                                       |
| 6                   |        | 0.5                                                                                                      | SM   | Brown fine to medium Sand with gravel                      | 3.0 feet recovery. No petroleum-like odors or staining observed                                                                              |                |                                       |
| 7                   |        | 0.5                                                                                                      |      |                                                            |                                                                                                                                              |                |                                       |
| 8                   |        | 0.5                                                                                                      |      |                                                            |                                                                                                                                              |                |                                       |
| 9                   |        | 0.1                                                                                                      |      |                                                            |                                                                                                                                              |                |                                       |
| 10                  |        | 0.1                                                                                                      |      |                                                            |                                                                                                                                              |                |                                       |
| 11                  |        | 0.1                                                                                                      | SM   | Brown fine to medium Sand with gravel                      | 4.0 feet recovery. No petroleum-like odors or staining observed                                                                              |                |                                       |
| 12                  |        | 0.1                                                                                                      |      |                                                            |                                                                                                                                              |                |                                       |
| 13                  |        | 0.1                                                                                                      |      |                                                            |                                                                                                                                              |                |                                       |
| 14                  |        | 0.1                                                                                                      |      |                                                            |                                                                                                                                              |                |                                       |
| 15                  |        | 0.1                                                                                                      |      |                                                            |                                                                                                                                              |                |                                       |
| 16                  |        | 0.0                                                                                                      | SM   | Brown medium Sand with gravel                              | 4.0 feet recovery. No petroleum-like odors or staining observed                                                                              |                |                                       |
| 17                  |        | 0.0                                                                                                      |      |                                                            |                                                                                                                                              |                |                                       |
| 18                  |        | 0.0                                                                                                      |      |                                                            |                                                                                                                                              |                |                                       |
| 19                  |        | 0.0                                                                                                      |      |                                                            |                                                                                                                                              |                |                                       |
| 20                  |        | 0.0                                                                                                      |      |                                                            |                                                                                                                                              |                |                                       |
| 21                  |        | 0.0                                                                                                      | SM   | Brown fine to medium Sand with gravel, saturated           | 3.5 feet recovery. No petroleum-like odors or staining observed                                                                              |                |                                       |
| 22                  |        | 0.0                                                                                                      |      |                                                            |                                                                                                                                              |                |                                       |
| 23                  |        | 0.0                                                                                                      |      |                                                            |                                                                                                                                              |                |                                       |
| 24                  |        | 0.0                                                                                                      |      |                                                            |                                                                                                                                              |                |                                       |
| 25                  |        | 0.0                                                                                                      |      |                                                            |                                                                                                                                              |                |                                       |
|                     |        |                                                                                                          |      | Boring terminated at 25 feet bgs                           | Boring converted to temporary well point B-3GW at terminal depth of 25 ft; screened from 20 to 25 feet bgs.                                  |                |                                       |

| Boring Number:      |        | B-4                                                                                                                    |      |                                                  | Page 1 of 1                                                                                                 |                |
|---------------------|--------|------------------------------------------------------------------------------------------------------------------------|------|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------|----------------|
| Location:           |        | Interior western portion of property (abandoned automotive repair workshop) near GPR detected gasoline oil UST anomaly |      |                                                  | Date Started:                                                                                               | 7/14/2020      |
| Site Address:       |        | 10-16 Beach 19th Street                                                                                                |      |                                                  | Date Completed:                                                                                             | 7/14/2020      |
|                     |        | Queens, New York 11691                                                                                                 |      |                                                  | Depth to Groundwater:                                                                                       | 20.0 feet      |
| Project Number:     |        | 20-286219.1                                                                                                            |      |                                                  | Field Technician:                                                                                           | Jonathan Lokko |
| Drill Rig Type:     |        | Geoprobe 6620DT                                                                                                        |      |                                                  | PSG Engineering and Geology, D.P.C                                                                          |                |
| Sampling Equipment: |        | 5 ft Macrocores                                                                                                        |      |                                                  | 362 Fifth Avenue, Suite 501                                                                                 |                |
| Borehole Diameter:  |        | 2 inch                                                                                                                 |      |                                                  | New York, New York 10001                                                                                    |                |
| Depth               | Sample | PID                                                                                                                    | USCS | Description                                      | Notes                                                                                                       |                |
| 0.5                 |        | 0.0                                                                                                                    | SM   | Concrete                                         | 4.0 feet recovery. No petroleum-like odors or staining observed.                                            |                |
| 1                   |        | 0.3                                                                                                                    |      | Brown silty Sand with gravel and rock fragments  |                                                                                                             |                |
| 2                   |        | 0.3                                                                                                                    |      |                                                  |                                                                                                             |                |
| 3                   |        | 0.2                                                                                                                    |      |                                                  |                                                                                                             |                |
| 4                   |        | 0.4                                                                                                                    |      |                                                  |                                                                                                             |                |
| 5                   |        | 0.4                                                                                                                    |      |                                                  |                                                                                                             |                |
| 6                   |        | 0.4                                                                                                                    | SM   | Brown fine to medium Sand with gravel            | 3.0 feet recovery. No petroleum-like odors or staining observed                                             |                |
| 7                   |        | 0.5                                                                                                                    |      |                                                  |                                                                                                             |                |
| 8                   |        | 0.5                                                                                                                    |      |                                                  |                                                                                                             |                |
| 9                   |        | 0.5                                                                                                                    |      |                                                  |                                                                                                             |                |
| 10                  |        | 0.5                                                                                                                    |      |                                                  |                                                                                                             |                |
| 11                  |        | 0.5                                                                                                                    | SM   | Brown fine to medium Sand with gravel            | 4.0 feet recovery. No petroleum-like odors or staining observed                                             |                |
| 12                  |        | 0.5                                                                                                                    |      |                                                  |                                                                                                             |                |
| 13                  |        | 0.4                                                                                                                    |      |                                                  |                                                                                                             |                |
| 14                  |        | 0.4                                                                                                                    |      |                                                  |                                                                                                             |                |
| 15                  |        | 0.5                                                                                                                    |      |                                                  |                                                                                                             |                |
| 16                  | B-4    | 0.7                                                                                                                    | SM   | Brown medium Sand with gravel                    | Soil sample B-4 collected at 12:55 from interval 16.0 - 17.0 feet bgs.                                      |                |
| 17                  |        | 0.8                                                                                                                    |      |                                                  | 4.5 feet recovery. No petroleum-like odors or staining observed                                             |                |
| 18                  |        | 0.5                                                                                                                    |      |                                                  |                                                                                                             |                |
| 19                  |        | 0.5                                                                                                                    |      |                                                  |                                                                                                             |                |
| 20                  |        | 0.5                                                                                                                    |      |                                                  |                                                                                                             |                |
| 21                  |        | 0.3                                                                                                                    | SM   | Brown fine to medium Sand with gravel, saturated | 3.5 feet recovery. No petroleum-like odors or staining observed                                             |                |
| 22                  |        | 0.3                                                                                                                    |      |                                                  |                                                                                                             |                |
| 23                  |        | 0.2                                                                                                                    |      |                                                  |                                                                                                             |                |
| 24                  |        | 0.2                                                                                                                    |      |                                                  |                                                                                                             |                |
| 25                  |        | 0.0                                                                                                                    |      |                                                  |                                                                                                             |                |
|                     |        |                                                                                                                        |      | Boring terminated at 25 feet bgs                 | Boring converted to temporary well point B-4GW at terminal depth of 25 ft; screened from 20 to 25 feet bgs. |                |



## **APPENDIX B: GEOPHYSICAL SURVEY REPORT**

---



## ***GEOPHYSICAL INVESTIGATION REPORT***

### **SITE LOCATION:**

10-16 Beach 19<sup>th</sup> Street  
Far Rockaway, New York

### **PREPARED FOR:**

Partner Engineering and Science, Inc.  
611 Industrial Way  
Eatontown, New Jersey

### **PREPARED BY:**

Benjamin Rimler  
Delta Geophysics Inc.  
738 Front Street  
Catasauqua, PA 18032

July 13, 2020

Delta Geophysics, Inc. (Delta) is pleased to provide the results of the geophysical survey conducted at 10-16 Beach 19<sup>th</sup> Street, Far Rockaway, New York.

## **1.0 INTRODUCTION**

On July 09, 2020 Delta Geophysics personnel performed a limited geophysical investigation at 10-16 Beach 19<sup>th</sup> Street, Far Rockaway, New York. The area of interest was all accessible areas on the property. Subsurface conditions were unknown at the time of survey. Surface conditions consisted of asphalt, concrete, and gravel.

## **2.0 SCOPE OF WORK**

The survey was conducted to investigate the subsurface for anomalies consistent with USTs. A secondary objective was to locate and mark subsurface utilities in close proximity to client proposed borings.

## **3.0 METHODOLOGY**

Selection of survey equipment is dependent site conditions and project objectives. For this project the technician utilized the following equipment to survey the area of concern:

- Geophysical Survey Systems Inc. SIR-3000 cart-mounted Ground Penetrating Radar (GPR) unit with a 400 Mhz antenna.
- Radiodetection RD7000 precision utility locator.
- Fisher M-Scope TW-6 pipe and cable locator.

Ground penetrating radar (commonly called GPR) is a geophysical method that has been developed over the past thirty years for shallow, high-resolution, subsurface investigations of the earth. GPR uses high frequency pulsed electromagnetic waves (generally 10 MHz to 1,000 MHz) to acquire subsurface information. Energy is propagated downward into the ground and is reflected back to the surface from boundaries at which there are electrical property contrasts. GPR is a method that is commonly used for environmental, engineering, archeological, and other shallow investigations.

The GSSI SIR-3000 GPR can accept a wide variety of antennas which provide various depths of penetration and levels of resolution. The 400 MHz antenna can achieve depths of penetration up to about 20 feet, but this depth may be greatly reduced due to site-specific conditions. Signal penetration decreases with increased soil conductivity. Conductive materials attenuate or absorb the GPR signal. As depth increases the return signal becomes weaker. Penetration is the greatest in unsaturated sands and fine gravels. Clayey, highly saline or saturated soils, areas covered by steel reinforced concrete, foundry slag, or other highly conductive materials significantly reduces GPR depth of penetration.

The GPR was configured to transmit to a depth of approximately 10 feet below the subsurface, but actual signal penetration was limited to approximately 3-5 feet below ground surface (bgs). The limiting factor was signal attenuation from near surface soils.

The RD7000 precision utility locator uses radio emission to trace the location of metal bearing utilities. This radio emission can be active or passive. Active tracing requires the attachment of a radio transmitter to the utility, passive tracing uses radio emissions that are present on the utility. Underground electrical utilities typically emit radio signals that this device can detect.

The TW-6 is designed to find pipes, cables and other metallic objects such as underground storage tanks. One surveyor can carry both the transmitter and receiver together, making it ideally suited for exploration type searches of ferrous metal masses. Metal detectors of this type operate by generating a magnetic field at the transmitter which causes metallic objects in the subsurface to generate a secondary magnetic field. The induced secondary field is detected by the receiver, which generates an audible tone equal to the strength of the secondary field.

#### **4.0 SURVEY FINDINGS**

All accessible areas throughout the property were examined during this investigation. Each location was examined with the RD7000 for potential subsurface utilities then the property was surveyed with GPR and TW-6 for other potential anomalies.

##### Nonmetallic Anomaly #1

GPR transects in the alley south of the building detected a nonmetallic anomaly. GPR transects imaged a cylindrical anomaly 4 feet bgs. Approximate dimensions measure 10 feet by 6 feet.

##### Gasoline UST

Delta personnel observed a gasoline vent in the sidewalk west of the building. Vent piping was detected east of the vent for approximately 6 feet. TW-6 transects in area where vent piping ended detected a metallic anomaly. GPR transects confirmed a cylindrical anomaly 2-3 feet bgs. Approximate dimensions measure 8 feet by 5 feet. The anomaly is consistent with a gasoline UST

##### Suspected UST Location

Delta personnel observed a gasoline vent in the sidewalk west of the building. Vent piping was detected east of the vent for approximately 6 feet. Due to interior walls and unmovable equipment, the area where vent piping ended could not be surveyed with TW-6 or GPR. A potential anomaly may exist in this area.

##### Heating Oil UST

Delta personnel observed a cut product piping in the north wall of the partial basement. Product piping was detected north of the partial basement for approximately 8 feet. Buried reinforced concrete in this area prevented use of TW-6. GPR transects imaged a cylindrical anomaly 2-3 feet bgs. Approximate dimensions measure 10 feet by 6 feet. The anomaly is consistent with a UST.

### In Ground Lifts

Delta personnel observed flat metal plate in the area of a reported in ground lift inside the active garage. GPR transects in this area imaged piping entering the plated area. The anomaly is consistent with an in ground lift. Delta personnel believe there is potential for 2 more lifts inside of the former garage area due to observed hydraulic valves on the north wall, east of the partial basement. Large areas of debris limited GPR survey in this area.

### *Utility Survey*

Delta performed a utility survey in client area of interest. The following utilities were identified: electric conduit, natural gas, water, sanitary sewer, product piping, hydraulic lines, and unknown utilities. All utilities were marked onsite with appropriate colors.

A site map (D070920) is included with all located subsurface features.

## **5.0 SURVEY LIMITATIONS**

GPR depth of effective penetration was limited to approximately 3-5 feet bgs. The limiting factor was due to conductive soils. Buried reinforced concrete in the asphalt lot north of the building limited TW-6 and GPR transects. Vehicles in the asphalt lot north of the building limited survey area. Debris, and vehicles inside of the building limited survey area. Particular attention when looking for USTs was given to areas with reported USTs on Sanborn map, and where evidence of USTs was observed.

## **6.0 WARRANTIES AND DISCLAIMER**

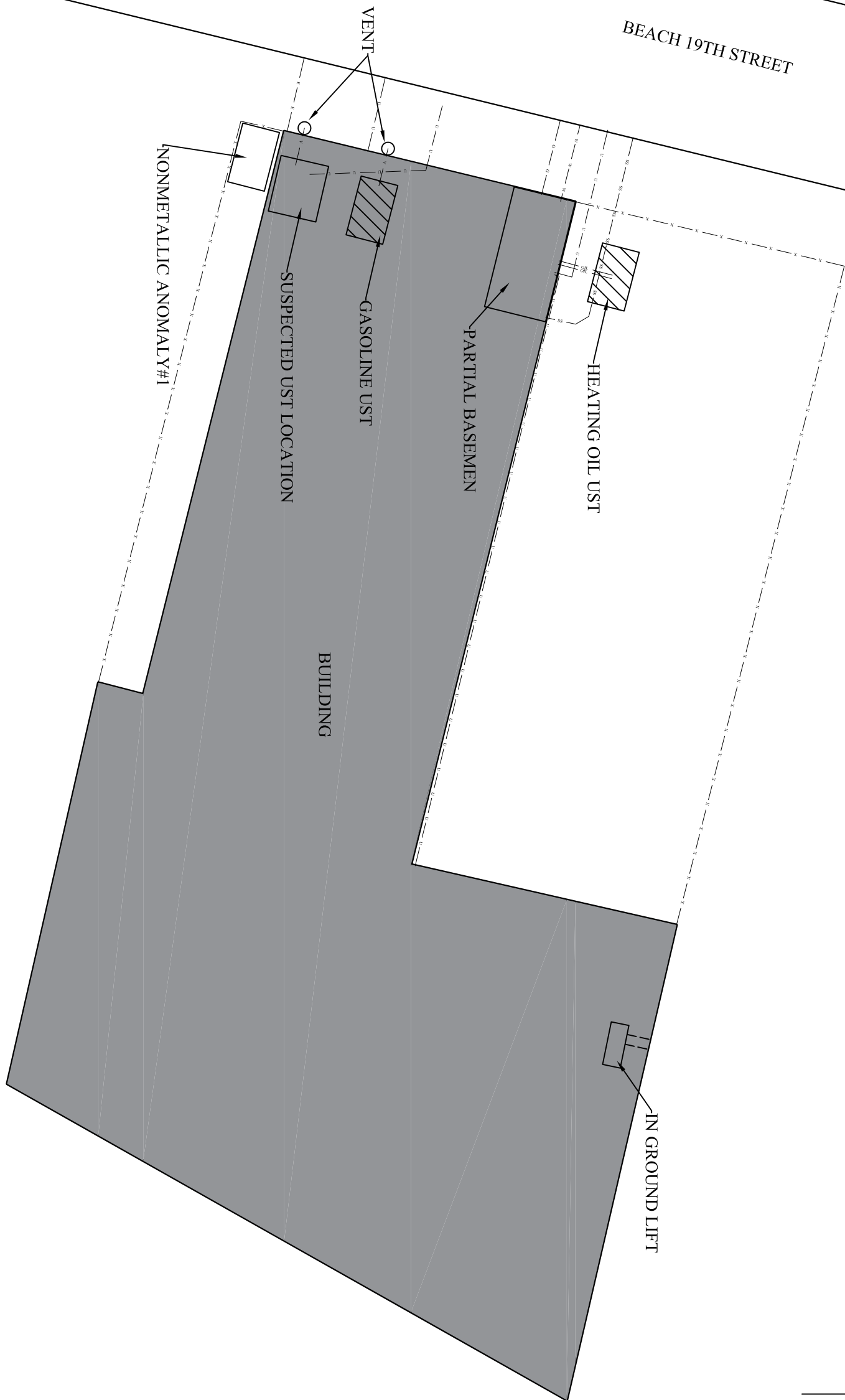
As with any geophysical method, it must be stressed that caution be used during any excavation or intrusive testing in proximity to any anomalies indicated in this report. In addition, the absence of detected signatures does not preclude the possibility that targets may exist. To the extent the client desires more definitive conclusions than are warranted by the currently available facts; it is specifically Delta's intent that the conclusions stated herein will be intended as guidance.

This report is based upon the application of scientific principles and professional judgment to certain facts with resultant subjective interpretations. Professional judgments expressed herein are based on the facts currently available within the limit or scope of work, budget and schedule. Delta represents that the services were performed in a manner consistent with currently accepted professional practices employed by geophysical/geological consultants under similar circumstances. No other representations to Client, express or implied, and no warranty or guarantee is included or intended in this agreement, or in any report, document, or otherwise.

This report was prepared pursuant to the contract Delta has with the Client. That contractual relationship included an exchange of information about the property that was unique and between Delta and its client and serves as the basis upon which this report was prepared. Because of the importance of the understandings between Delta and its client, reliance or any use of this report by

anyone other than the Client, for whom it was prepared, is prohibited and therefore not foreseeable to Delta.

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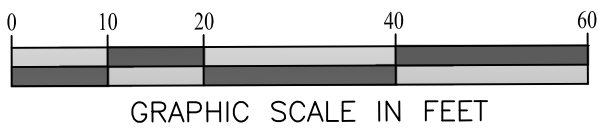


NOTES:

This site plan was produced from data positioned by differential GPS measurements collected in the field. Due to the errors normally present in DGPS data, this document is not intended or represented to be of survey precision. Caution should be used in all field measurements based on this site plan.

As with any geophysical method, it must be stressed that caution be used during any excavation or intrusive testing in proximity of any anomalies indicated in this document. The absence of detected signatures does not preclude the possibility that targets exist. The geophysical data and results presented in this site plan are based upon the application of scientific principles and professional judgements to certain facts with resultant subjective interpretations. Professional judgements expressed herein are based on the facts currently available within the limits of the existing data, scope of work, budget, and schedule.

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LEGEND

|           |           |                 |
|-----------|-----------|-----------------|
| — E —     | — E —     | ELECTRIC        |
| — G —     | — G —     | NATURAL GAS     |
| — SS —    | — SS —    | SANITARY SEWER  |
| — OIL —   | — OIL —   | PRODUCT PIPING  |
| — W —     | — W —     | WATER           |
| — U —     | — U —     | UNKNOWN         |
| — V —     | — V —     | VENT            |
| — — — — — | — — — — — | HYDRAULIC LINES |
| — x —     | — x —     | FENCE           |

DATE 07/12/20

SCALE 1" = 20'

DWG NO. 070920

SHT NO. 1 OF 1

PROJECT.

GEOPHYSICAL INVESTIGATION  
10-16 BEACH 19TH STREET, FAR ROCKAWAY, NY  
FOR  
PARTNER ENGINEERING AND SCIENCE, INC.



## **APPENDIX C: LABORATORY ANALYTICAL REPORT**

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## ANALYTICAL REPORT

|                 |                                                                                     |
|-----------------|-------------------------------------------------------------------------------------|
| Lab Number:     | L2029724                                                                            |
| Client:         | Partner Engineering & Science, Inc.<br>611 Industrial Way W.<br>Eatontown, NJ 07724 |
| ATTN:           | Andres Simonson                                                                     |
| Phone:          | (732) 380-1700                                                                      |
| Project Name:   | 20-286219.1                                                                         |
| Project Number: | 20-286219.1                                                                         |
| Report Date:    | 07/15/20                                                                            |

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

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

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Eight Walkup Drive, Westborough, MA 01581-1019  
508-898-9220 (Fax) 508-898-9193 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)



Project Name: 20-286219.1

Project Number: 20-286219.1

Lab Number: L2029724

Report Date: 07/15/20

| Alpha<br>Sample ID | Client ID | Matrix | Sample<br>Location                            | Collection<br>Date/Time | Receive Date |
|--------------------|-----------|--------|-----------------------------------------------|-------------------------|--------------|
| L2029724-01        | B-1       | SOIL   | 10-16 BEACH 19TH STREET, QUEENS,<br>NY, 11691 | 07/14/20 09:30          | 07/14/20     |
| L2029724-02        | B-2       | SOIL   | 10-16 BEACH 19TH STREET, QUEENS,<br>NY, 11691 | 07/14/20 11:00          | 07/14/20     |
| L2029724-03        | B-3       | SOIL   | 10-16 BEACH 19TH STREET, QUEENS,<br>NY, 11691 | 07/14/20 12:00          | 07/14/20     |
| L2029724-04        | B-4       | SOIL   | 10-16 BEACH 19TH STREET, QUEENS,<br>NY, 11691 | 07/14/20 12:55          | 07/14/20     |
| L2029724-05        | B-1GW     | WATER  | 10-16 BEACH 19TH STREET, QUEENS,<br>NY, 11691 | 07/14/20 09:45          | 07/14/20     |
| L2029724-06        | B-2GW     | WATER  | 10-16 BEACH 19TH STREET, QUEENS,<br>NY, 11691 | 07/14/20 11:15          | 07/14/20     |
| L2029724-07        | B-3GW     | WATER  | 10-16 BEACH 19TH STREET, QUEENS,<br>NY, 11691 | 07/14/20 12:10          | 07/14/20     |
| L2029724-08        | B-4GW     | WATER  | 10-16 BEACH 19TH STREET, QUEENS,<br>NY, 11691 | 07/14/20 13:15          | 07/14/20     |

**Project Name:** 20-286219.1  
**Project Number:** 20-286219.1

**Lab Number:** L2029724  
**Report Date:** 07/15/20

### Case Narrative

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

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

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

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

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

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

---

**Project Name:** 20-286219.1  
**Project Number:** 20-286219.1

**Lab Number:** L2029724  
**Report Date:** 07/15/20

### Case Narrative (continued)

#### Report Submission

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

#### Semivolatile Organics

The WG1392096-3 LCSD recovery, associated with L2029724-05 through -08, is below the acceptance criteria for benzoic acid (0%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.

#### Total Metals

L2029724-01 through -04: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

The WG1392313-3 MS recoveries for aluminum (265%) and iron (0%), performed on L2029724-05, do not apply because the sample concentration is greater than four times the spike amount added.

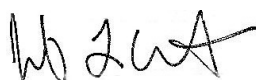
The WG1392313-3 MS recoveries, performed on L2029724-05, are outside the acceptance criteria for beryllium (126%), sodium (72%) and lead (74%). A post digestion spike was performed and was within acceptance criteria.

#### Dissolved Metals

The WG1392311-3 MS recoveries for calcium (51%), iron (64%) and sodium (0%), performed on L2029724-07, do not apply because the sample concentration is greater than four times the spike amount added.

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

Authorized Signature:



Jennifer L Clements

Title: Technical Director/Representative

Date: 07/15/20

# ORGANICS

# **VOLATILES**

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-01

Date Collected: 07/14/20 09:30

Client ID: B-1

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 07/15/20 08:17

Analyst: JC

Percent Solids: 96%

| Parameter                                           | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|-----------------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |      |                 |
| Methylene chloride                                  | ND     |           | ug/kg | 4.8  | 2.2  | 1               |
| 1,1-Dichloroethane                                  | ND     |           | ug/kg | 0.96 | 0.14 | 1               |
| Chloroform                                          | ND     |           | ug/kg | 1.4  | 0.13 | 1               |
| Carbon tetrachloride                                | ND     |           | ug/kg | 0.96 | 0.22 | 1               |
| 1,2-Dichloropropane                                 | ND     |           | ug/kg | 0.96 | 0.12 | 1               |
| Dibromochloromethane                                | ND     |           | ug/kg | 0.96 | 0.13 | 1               |
| 1,1,2-Trichloroethane                               | ND     |           | ug/kg | 0.96 | 0.26 | 1               |
| Tetrachloroethene                                   | 0.51   |           | ug/kg | 0.48 | 0.19 | 1               |
| Chlorobenzene                                       | ND     |           | ug/kg | 0.48 | 0.12 | 1               |
| Trichlorofluoromethane                              | ND     |           | ug/kg | 3.8  | 0.67 | 1               |
| 1,2-Dichloroethane                                  | ND     |           | ug/kg | 0.96 | 0.25 | 1               |
| 1,1,1-Trichloroethane                               | ND     |           | ug/kg | 0.48 | 0.16 | 1               |
| Bromodichloromethane                                | ND     |           | ug/kg | 0.48 | 0.10 | 1               |
| trans-1,3-Dichloropropene                           | ND     |           | ug/kg | 0.96 | 0.26 | 1               |
| cis-1,3-Dichloropropene                             | ND     |           | ug/kg | 0.48 | 0.15 | 1               |
| 1,3-Dichloropropene, Total                          | ND     |           | ug/kg | 0.48 | 0.15 | 1               |
| 1,1-Dichloropropene                                 | ND     |           | ug/kg | 0.48 | 0.15 | 1               |
| Bromoform                                           | ND     |           | ug/kg | 3.8  | 0.24 | 1               |
| 1,1,2,2-Tetrachloroethane                           | ND     |           | ug/kg | 0.48 | 0.16 | 1               |
| Benzene                                             | ND     |           | ug/kg | 0.48 | 0.16 | 1               |
| Toluene                                             | ND     |           | ug/kg | 0.96 | 0.52 | 1               |
| Ethylbenzene                                        | ND     |           | ug/kg | 0.96 | 0.14 | 1               |
| Chloromethane                                       | ND     |           | ug/kg | 3.8  | 0.89 | 1               |
| Bromomethane                                        | ND     |           | ug/kg | 1.9  | 0.56 | 1               |
| Vinyl chloride                                      | ND     |           | ug/kg | 0.96 | 0.32 | 1               |
| Chloroethane                                        | ND     |           | ug/kg | 1.9  | 0.43 | 1               |
| 1,1-Dichloroethene                                  | ND     |           | ug/kg | 0.96 | 0.23 | 1               |
| trans-1,2-Dichloroethene                            | ND     |           | ug/kg | 1.4  | 0.13 | 1               |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-01

Date Collected: 07/14/20 09:30

Client ID: B-1

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

| Parameter                                           | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|-----------------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |      |                 |
| Trichloroethene                                     | ND     |           | ug/kg | 0.48 | 0.13 | 1               |
| 1,2-Dichlorobenzene                                 | ND     |           | ug/kg | 1.9  | 0.14 | 1               |
| 1,3-Dichlorobenzene                                 | ND     |           | ug/kg | 1.9  | 0.14 | 1               |
| 1,4-Dichlorobenzene                                 | ND     |           | ug/kg | 1.9  | 0.16 | 1               |
| Methyl tert butyl ether                             | ND     |           | ug/kg | 1.9  | 0.19 | 1               |
| p/m-Xylene                                          | ND     |           | ug/kg | 1.9  | 0.54 | 1               |
| o-Xylene                                            | ND     |           | ug/kg | 0.96 | 0.28 | 1               |
| Xylenes, Total                                      | ND     |           | ug/kg | 0.96 | 0.28 | 1               |
| cis-1,2-Dichloroethene                              | ND     |           | ug/kg | 0.96 | 0.17 | 1               |
| 1,2-Dichloroethene, Total                           | ND     |           | ug/kg | 0.96 | 0.13 | 1               |
| Dibromomethane                                      | ND     |           | ug/kg | 1.9  | 0.23 | 1               |
| Styrene                                             | ND     |           | ug/kg | 0.96 | 0.19 | 1               |
| Dichlorodifluoromethane                             | ND     |           | ug/kg | 9.6  | 0.88 | 1               |
| Acetone                                             | 110    |           | ug/kg | 9.6  | 4.6  | 1               |
| Carbon disulfide                                    | ND     |           | ug/kg | 9.6  | 4.4  | 1               |
| 2-Butanone                                          | ND     |           | ug/kg | 9.6  | 2.1  | 1               |
| Vinyl acetate                                       | ND     |           | ug/kg | 9.6  | 2.1  | 1               |
| 4-Methyl-2-pentanone                                | ND     |           | ug/kg | 9.6  | 1.2  | 1               |
| 1,2,3-Trichloropropane                              | ND     |           | ug/kg | 1.9  | 0.12 | 1               |
| 2-Hexanone                                          | ND     |           | ug/kg | 9.6  | 1.1  | 1               |
| Bromochloromethane                                  | ND     |           | ug/kg | 1.9  | 0.20 | 1               |
| 2,2-Dichloropropane                                 | ND     |           | ug/kg | 1.9  | 0.19 | 1               |
| 1,2-Dibromoethane                                   | ND     |           | ug/kg | 0.96 | 0.27 | 1               |
| 1,3-Dichloropropane                                 | ND     |           | ug/kg | 1.9  | 0.16 | 1               |
| 1,1,1,2-Tetrachloroethane                           | ND     |           | ug/kg | 0.48 | 0.13 | 1               |
| Bromobenzene                                        | ND     |           | ug/kg | 1.9  | 0.14 | 1               |
| n-Butylbenzene                                      | 2.8    |           | ug/kg | 0.96 | 0.16 | 1               |
| sec-Butylbenzene                                    | 1.4    |           | ug/kg | 0.96 | 0.14 | 1               |
| tert-Butylbenzene                                   | ND     |           | ug/kg | 1.9  | 0.11 | 1               |
| o-Chlorotoluene                                     | ND     |           | ug/kg | 1.9  | 0.18 | 1               |
| p-Chlorotoluene                                     | ND     |           | ug/kg | 1.9  | 0.10 | 1               |
| 1,2-Dibromo-3-chloropropane                         | ND     |           | ug/kg | 2.9  | 0.96 | 1               |
| Hexachlorobutadiene                                 | ND     |           | ug/kg | 3.8  | 0.16 | 1               |
| Isopropylbenzene                                    | ND     |           | ug/kg | 0.96 | 0.10 | 1               |
| p-Isopropyltoluene                                  | 0.40   | J         | ug/kg | 0.96 | 0.10 | 1               |
| Naphthalene                                         | ND     |           | ug/kg | 3.8  | 0.62 | 1               |
| Acrylonitrile                                       | ND     |           | ug/kg | 3.8  | 1.1  | 1               |



Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-01

Date Collected: 07/14/20 09:30

Client ID: B-1

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

| Parameter                                           | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|-----------------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |      |                 |
| n-Propylbenzene                                     | ND     |           | ug/kg | 0.96 | 0.16 | 1               |
| 1,2,3-Trichlorobenzene                              | ND     |           | ug/kg | 1.9  | 0.31 | 1               |
| 1,2,4-Trichlorobenzene                              | ND     |           | ug/kg | 1.9  | 0.26 | 1               |
| 1,3,5-Trimethylbenzene                              | ND     |           | ug/kg | 1.9  | 0.18 | 1               |
| 1,2,4-Trimethylbenzene                              | ND     |           | ug/kg | 1.9  | 0.32 | 1               |
| 1,4-Dioxane                                         | ND     |           | ug/kg | 77   | 34.  | 1               |
| p-Diethylbenzene                                    | ND     |           | ug/kg | 1.9  | 0.17 | 1               |
| p-Ethyltoluene                                      | ND     |           | ug/kg | 1.9  | 0.37 | 1               |
| 1,2,4,5-Tetramethylbenzene                          | 2.7    |           | ug/kg | 1.9  | 0.18 | 1               |
| Ethyl ether                                         | ND     |           | ug/kg | 1.9  | 0.33 | 1               |
| trans-1,4-Dichloro-2-butene                         | ND     |           | ug/kg | 4.8  | 1.4  | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 124        |           | 70-130              |
| Toluene-d8            | 97         |           | 70-130              |
| 4-Bromofluorobenzene  | 110        |           | 70-130              |
| Dibromofluoromethane  | 111        |           | 70-130              |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-02

Date Collected: 07/14/20 11:00

Client ID: B-2

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 07/15/20 08:45

Analyst: JC

Percent Solids: 97%

| Parameter                                           | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|-----------------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |      |                 |
| Methylene chloride                                  | ND     |           | ug/kg | 5.1  | 2.3  | 1               |
| 1,1-Dichloroethane                                  | ND     |           | ug/kg | 1.0  | 0.15 | 1               |
| Chloroform                                          | ND     |           | ug/kg | 1.5  | 0.14 | 1               |
| Carbon tetrachloride                                | ND     |           | ug/kg | 1.0  | 0.23 | 1               |
| 1,2-Dichloropropane                                 | ND     |           | ug/kg | 1.0  | 0.13 | 1               |
| Dibromochloromethane                                | ND     |           | ug/kg | 1.0  | 0.14 | 1               |
| 1,1,2-Trichloroethane                               | ND     |           | ug/kg | 1.0  | 0.27 | 1               |
| Tetrachloroethene                                   | 0.80   |           | ug/kg | 0.51 | 0.20 | 1               |
| Chlorobenzene                                       | ND     |           | ug/kg | 0.51 | 0.13 | 1               |
| Trichlorofluoromethane                              | ND     |           | ug/kg | 4.1  | 0.71 | 1               |
| 1,2-Dichloroethane                                  | ND     |           | ug/kg | 1.0  | 0.26 | 1               |
| 1,1,1-Trichloroethane                               | ND     |           | ug/kg | 0.51 | 0.17 | 1               |
| Bromodichloromethane                                | ND     |           | ug/kg | 0.51 | 0.11 | 1               |
| trans-1,3-Dichloropropene                           | ND     |           | ug/kg | 1.0  | 0.28 | 1               |
| cis-1,3-Dichloropropene                             | ND     |           | ug/kg | 0.51 | 0.16 | 1               |
| 1,3-Dichloropropene, Total                          | ND     |           | ug/kg | 0.51 | 0.16 | 1               |
| 1,1-Dichloropropene                                 | ND     |           | ug/kg | 0.51 | 0.16 | 1               |
| Bromoform                                           | ND     |           | ug/kg | 4.1  | 0.25 | 1               |
| 1,1,2,2-Tetrachloroethane                           | ND     |           | ug/kg | 0.51 | 0.17 | 1               |
| Benzene                                             | ND     |           | ug/kg | 0.51 | 0.17 | 1               |
| Toluene                                             | ND     |           | ug/kg | 1.0  | 0.55 | 1               |
| Ethylbenzene                                        | ND     |           | ug/kg | 1.0  | 0.14 | 1               |
| Chloromethane                                       | ND     |           | ug/kg | 4.1  | 0.95 | 1               |
| Bromomethane                                        | 0.73   | J         | ug/kg | 2.0  | 0.59 | 1               |
| Vinyl chloride                                      | ND     |           | ug/kg | 1.0  | 0.34 | 1               |
| Chloroethane                                        | ND     |           | ug/kg | 2.0  | 0.46 | 1               |
| 1,1-Dichloroethene                                  | ND     |           | ug/kg | 1.0  | 0.24 | 1               |
| trans-1,2-Dichloroethene                            | ND     |           | ug/kg | 1.5  | 0.14 | 1               |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-02

Date Collected: 07/14/20 11:00

Client ID: B-2

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

| Parameter                                           | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|-----------------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |      |                 |
| Trichloroethene                                     | ND     |           | ug/kg | 0.51 | 0.14 | 1               |
| 1,2-Dichlorobenzene                                 | ND     |           | ug/kg | 2.0  | 0.15 | 1               |
| 1,3-Dichlorobenzene                                 | ND     |           | ug/kg | 2.0  | 0.15 | 1               |
| 1,4-Dichlorobenzene                                 | ND     |           | ug/kg | 2.0  | 0.17 | 1               |
| Methyl tert butyl ether                             | ND     |           | ug/kg | 2.0  | 0.20 | 1               |
| p/m-Xylene                                          | ND     |           | ug/kg | 2.0  | 0.57 | 1               |
| o-Xylene                                            | ND     |           | ug/kg | 1.0  | 0.30 | 1               |
| Xylenes, Total                                      | ND     |           | ug/kg | 1.0  | 0.30 | 1               |
| cis-1,2-Dichloroethene                              | ND     |           | ug/kg | 1.0  | 0.18 | 1               |
| 1,2-Dichloroethene, Total                           | ND     |           | ug/kg | 1.0  | 0.14 | 1               |
| Dibromomethane                                      | ND     |           | ug/kg | 2.0  | 0.24 | 1               |
| Styrene                                             | ND     |           | ug/kg | 1.0  | 0.20 | 1               |
| Dichlorodifluoromethane                             | ND     |           | ug/kg | 10   | 0.93 | 1               |
| Acetone                                             | 13     |           | ug/kg | 10   | 4.9  | 1               |
| Carbon disulfide                                    | ND     |           | ug/kg | 10   | 4.6  | 1               |
| 2-Butanone                                          | ND     |           | ug/kg | 10   | 2.3  | 1               |
| Vinyl acetate                                       | ND     |           | ug/kg | 10   | 2.2  | 1               |
| 4-Methyl-2-pentanone                                | ND     |           | ug/kg | 10   | 1.3  | 1               |
| 1,2,3-Trichloropropane                              | ND     |           | ug/kg | 2.0  | 0.13 | 1               |
| 2-Hexanone                                          | ND     |           | ug/kg | 10   | 1.2  | 1               |
| Bromochloromethane                                  | ND     |           | ug/kg | 2.0  | 0.21 | 1               |
| 2,2-Dichloropropane                                 | ND     |           | ug/kg | 2.0  | 0.21 | 1               |
| 1,2-Dibromoethane                                   | ND     |           | ug/kg | 1.0  | 0.28 | 1               |
| 1,3-Dichloropropane                                 | ND     |           | ug/kg | 2.0  | 0.17 | 1               |
| 1,1,1,2-Tetrachloroethane                           | ND     |           | ug/kg | 0.51 | 0.13 | 1               |
| Bromobenzene                                        | ND     |           | ug/kg | 2.0  | 0.15 | 1               |
| n-Butylbenzene                                      | ND     |           | ug/kg | 1.0  | 0.17 | 1               |
| sec-Butylbenzene                                    | ND     |           | ug/kg | 1.0  | 0.15 | 1               |
| tert-Butylbenzene                                   | ND     |           | ug/kg | 2.0  | 0.12 | 1               |
| o-Chlorotoluene                                     | ND     |           | ug/kg | 2.0  | 0.19 | 1               |
| p-Chlorotoluene                                     | ND     |           | ug/kg | 2.0  | 0.11 | 1               |
| 1,2-Dibromo-3-chloropropane                         | ND     |           | ug/kg | 3.1  | 1.0  | 1               |
| Hexachlorobutadiene                                 | ND     |           | ug/kg | 4.1  | 0.17 | 1               |
| Isopropylbenzene                                    | ND     |           | ug/kg | 1.0  | 0.11 | 1               |
| p-Isopropyltoluene                                  | ND     |           | ug/kg | 1.0  | 0.11 | 1               |
| Naphthalene                                         | ND     |           | ug/kg | 4.1  | 0.66 | 1               |
| Acrylonitrile                                       | ND     |           | ug/kg | 4.1  | 1.2  | 1               |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-02

Date Collected: 07/14/20 11:00

Client ID: B-2

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

| Parameter                                           | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|-----------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |     |      |                 |
| n-Propylbenzene                                     | ND     |           | ug/kg | 1.0 | 0.17 | 1               |
| 1,2,3-Trichlorobenzene                              | ND     |           | ug/kg | 2.0 | 0.33 | 1               |
| 1,2,4-Trichlorobenzene                              | ND     |           | ug/kg | 2.0 | 0.28 | 1               |
| 1,3,5-Trimethylbenzene                              | ND     |           | ug/kg | 2.0 | 0.20 | 1               |
| 1,2,4-Trimethylbenzene                              | ND     |           | ug/kg | 2.0 | 0.34 | 1               |
| 1,4-Dioxane                                         | ND     |           | ug/kg | 82  | 36.  | 1               |
| p-Diethylbenzene                                    | ND     |           | ug/kg | 2.0 | 0.18 | 1               |
| p-Ethyltoluene                                      | ND     |           | ug/kg | 2.0 | 0.39 | 1               |
| 1,2,4,5-Tetramethylbenzene                          | ND     |           | ug/kg | 2.0 | 0.19 | 1               |
| Ethyl ether                                         | ND     |           | ug/kg | 2.0 | 0.35 | 1               |
| trans-1,4-Dichloro-2-butene                         | ND     |           | ug/kg | 5.1 | 1.4  | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 104        |           | 70-130              |
| Toluene-d8            | 99         |           | 70-130              |
| 4-Bromofluorobenzene  | 104        |           | 70-130              |
| Dibromofluoromethane  | 103        |           | 70-130              |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-03

Date Collected: 07/14/20 12:00

Client ID: B-3

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 07/15/20 09:12

Analyst: JC

Percent Solids: 93%

| Parameter                                           | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|-----------------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |      |                 |
| Methylene chloride                                  | ND     |           | ug/kg | 5.6  | 2.6  | 1               |
| 1,1-Dichloroethane                                  | ND     |           | ug/kg | 1.1  | 0.16 | 1               |
| Chloroform                                          | ND     |           | ug/kg | 1.7  | 0.16 | 1               |
| Carbon tetrachloride                                | ND     |           | ug/kg | 1.1  | 0.26 | 1               |
| 1,2-Dichloropropane                                 | ND     |           | ug/kg | 1.1  | 0.14 | 1               |
| Dibromochloromethane                                | ND     |           | ug/kg | 1.1  | 0.16 | 1               |
| 1,1,2-Trichloroethane                               | ND     |           | ug/kg | 1.1  | 0.30 | 1               |
| Tetrachloroethene                                   | 11     |           | ug/kg | 0.56 | 0.22 | 1               |
| Chlorobenzene                                       | ND     |           | ug/kg | 0.56 | 0.14 | 1               |
| Trichlorofluoromethane                              | ND     |           | ug/kg | 4.4  | 0.77 | 1               |
| 1,2-Dichloroethane                                  | ND     |           | ug/kg | 1.1  | 0.29 | 1               |
| 1,1,1-Trichloroethane                               | ND     |           | ug/kg | 0.56 | 0.19 | 1               |
| Bromodichloromethane                                | ND     |           | ug/kg | 0.56 | 0.12 | 1               |
| trans-1,3-Dichloropropene                           | ND     |           | ug/kg | 1.1  | 0.30 | 1               |
| cis-1,3-Dichloropropene                             | ND     |           | ug/kg | 0.56 | 0.18 | 1               |
| 1,3-Dichloropropene, Total                          | ND     |           | ug/kg | 0.56 | 0.18 | 1               |
| 1,1-Dichloropropene                                 | ND     |           | ug/kg | 0.56 | 0.18 | 1               |
| Bromoform                                           | ND     |           | ug/kg | 4.4  | 0.27 | 1               |
| 1,1,2,2-Tetrachloroethane                           | ND     |           | ug/kg | 0.56 | 0.18 | 1               |
| Benzene                                             | ND     |           | ug/kg | 0.56 | 0.18 | 1               |
| Toluene                                             | ND     |           | ug/kg | 1.1  | 0.60 | 1               |
| Ethylbenzene                                        | ND     |           | ug/kg | 1.1  | 0.16 | 1               |
| Chloromethane                                       | ND     |           | ug/kg | 4.4  | 1.0  | 1               |
| Bromomethane                                        | 0.76   | J         | ug/kg | 2.2  | 0.65 | 1               |
| Vinyl chloride                                      | ND     |           | ug/kg | 1.1  | 0.37 | 1               |
| Chloroethane                                        | ND     |           | ug/kg | 2.2  | 0.50 | 1               |
| 1,1-Dichloroethene                                  | ND     |           | ug/kg | 1.1  | 0.26 | 1               |
| trans-1,2-Dichloroethene                            | ND     |           | ug/kg | 1.7  | 0.15 | 1               |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-03

Date Collected: 07/14/20 12:00

Client ID: B-3

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

| Parameter                                           | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|-----------------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |      |                 |
| Trichloroethene                                     | ND     |           | ug/kg | 0.56 | 0.15 | 1               |
| 1,2-Dichlorobenzene                                 | ND     |           | ug/kg | 2.2  | 0.16 | 1               |
| 1,3-Dichlorobenzene                                 | ND     |           | ug/kg | 2.2  | 0.16 | 1               |
| 1,4-Dichlorobenzene                                 | ND     |           | ug/kg | 2.2  | 0.19 | 1               |
| Methyl tert butyl ether                             | ND     |           | ug/kg | 2.2  | 0.22 | 1               |
| p/m-Xylene                                          | ND     |           | ug/kg | 2.2  | 0.62 | 1               |
| o-Xylene                                            | ND     |           | ug/kg | 1.1  | 0.32 | 1               |
| Xylenes, Total                                      | ND     |           | ug/kg | 1.1  | 0.32 | 1               |
| cis-1,2-Dichloroethene                              | ND     |           | ug/kg | 1.1  | 0.19 | 1               |
| 1,2-Dichloroethene, Total                           | ND     |           | ug/kg | 1.1  | 0.15 | 1               |
| Dibromomethane                                      | ND     |           | ug/kg | 2.2  | 0.26 | 1               |
| Styrene                                             | ND     |           | ug/kg | 1.1  | 0.22 | 1               |
| Dichlorodifluoromethane                             | ND     |           | ug/kg | 11   | 1.0  | 1               |
| Acetone                                             | 12     |           | ug/kg | 11   | 5.4  | 1               |
| Carbon disulfide                                    | ND     |           | ug/kg | 11   | 5.1  | 1               |
| 2-Butanone                                          | ND     |           | ug/kg | 11   | 2.5  | 1               |
| Vinyl acetate                                       | ND     |           | ug/kg | 11   | 2.4  | 1               |
| 4-Methyl-2-pentanone                                | ND     |           | ug/kg | 11   | 1.4  | 1               |
| 1,2,3-Trichloropropane                              | ND     |           | ug/kg | 2.2  | 0.14 | 1               |
| 2-Hexanone                                          | ND     |           | ug/kg | 11   | 1.3  | 1               |
| Bromochloromethane                                  | ND     |           | ug/kg | 2.2  | 0.23 | 1               |
| 2,2-Dichloropropane                                 | ND     |           | ug/kg | 2.2  | 0.22 | 1               |
| 1,2-Dibromoethane                                   | ND     |           | ug/kg | 1.1  | 0.31 | 1               |
| 1,3-Dichloropropane                                 | ND     |           | ug/kg | 2.2  | 0.19 | 1               |
| 1,1,1,2-Tetrachloroethane                           | ND     |           | ug/kg | 0.56 | 0.15 | 1               |
| Bromobenzene                                        | ND     |           | ug/kg | 2.2  | 0.16 | 1               |
| n-Butylbenzene                                      | ND     |           | ug/kg | 1.1  | 0.19 | 1               |
| sec-Butylbenzene                                    | ND     |           | ug/kg | 1.1  | 0.16 | 1               |
| tert-Butylbenzene                                   | ND     |           | ug/kg | 2.2  | 0.13 | 1               |
| o-Chlorotoluene                                     | ND     |           | ug/kg | 2.2  | 0.21 | 1               |
| p-Chlorotoluene                                     | ND     |           | ug/kg | 2.2  | 0.12 | 1               |
| 1,2-Dibromo-3-chloropropane                         | ND     |           | ug/kg | 3.3  | 1.1  | 1               |
| Hexachlorobutadiene                                 | ND     |           | ug/kg | 4.4  | 0.19 | 1               |
| Isopropylbenzene                                    | ND     |           | ug/kg | 1.1  | 0.12 | 1               |
| p-Isopropyltoluene                                  | ND     |           | ug/kg | 1.1  | 0.12 | 1               |
| Naphthalene                                         | ND     |           | ug/kg | 4.4  | 0.72 | 1               |
| Acrylonitrile                                       | ND     |           | ug/kg | 4.4  | 1.3  | 1               |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-03

Date Collected: 07/14/20 12:00

Client ID: B-3

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

| Parameter                                           | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|-----------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |     |      |                 |
| n-Propylbenzene                                     | ND     |           | ug/kg | 1.1 | 0.19 | 1               |
| 1,2,3-Trichlorobenzene                              | ND     |           | ug/kg | 2.2 | 0.36 | 1               |
| 1,2,4-Trichlorobenzene                              | ND     |           | ug/kg | 2.2 | 0.30 | 1               |
| 1,3,5-Trimethylbenzene                              | ND     |           | ug/kg | 2.2 | 0.22 | 1               |
| 1,2,4-Trimethylbenzene                              | ND     |           | ug/kg | 2.2 | 0.37 | 1               |
| 1,4-Dioxane                                         | ND     |           | ug/kg | 89  | 39.  | 1               |
| p-Diethylbenzene                                    | ND     |           | ug/kg | 2.2 | 0.20 | 1               |
| p-Ethyltoluene                                      | ND     |           | ug/kg | 2.2 | 0.43 | 1               |
| 1,2,4,5-Tetramethylbenzene                          | ND     |           | ug/kg | 2.2 | 0.21 | 1               |
| Ethyl ether                                         | ND     |           | ug/kg | 2.2 | 0.38 | 1               |
| trans-1,4-Dichloro-2-butene                         | ND     |           | ug/kg | 5.6 | 1.6  | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 107        |           | 70-130              |
| Toluene-d8            | 96         |           | 70-130              |
| 4-Bromofluorobenzene  | 102        |           | 70-130              |
| Dibromofluoromethane  | 107        |           | 70-130              |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-04

Date Collected: 07/14/20 12:55

Client ID: B-4

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 07/15/20 09:39

Analyst: JC

Percent Solids: 98%

| Parameter                                           | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|-----------------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |      |                 |
| Methylene chloride                                  | ND     |           | ug/kg | 5.3  | 2.4  | 1               |
| 1,1-Dichloroethane                                  | ND     |           | ug/kg | 1.0  | 0.15 | 1               |
| Chloroform                                          | ND     |           | ug/kg | 1.6  | 0.15 | 1               |
| Carbon tetrachloride                                | ND     |           | ug/kg | 1.0  | 0.24 | 1               |
| 1,2-Dichloropropane                                 | ND     |           | ug/kg | 1.0  | 0.13 | 1               |
| Dibromochloromethane                                | ND     |           | ug/kg | 1.0  | 0.15 | 1               |
| 1,1,2-Trichloroethane                               | ND     |           | ug/kg | 1.0  | 0.28 | 1               |
| Tetrachloroethene                                   | ND     |           | ug/kg | 0.53 | 0.21 | 1               |
| Chlorobenzene                                       | ND     |           | ug/kg | 0.53 | 0.13 | 1               |
| Trichlorofluoromethane                              | ND     |           | ug/kg | 4.2  | 0.73 | 1               |
| 1,2-Dichloroethane                                  | ND     |           | ug/kg | 1.0  | 0.27 | 1               |
| 1,1,1-Trichloroethane                               | ND     |           | ug/kg | 0.53 | 0.18 | 1               |
| Bromodichloromethane                                | ND     |           | ug/kg | 0.53 | 0.12 | 1               |
| trans-1,3-Dichloropropene                           | ND     |           | ug/kg | 1.0  | 0.29 | 1               |
| cis-1,3-Dichloropropene                             | ND     |           | ug/kg | 0.53 | 0.17 | 1               |
| 1,3-Dichloropropene, Total                          | ND     |           | ug/kg | 0.53 | 0.17 | 1               |
| 1,1-Dichloropropene                                 | ND     |           | ug/kg | 0.53 | 0.17 | 1               |
| Bromoform                                           | ND     |           | ug/kg | 4.2  | 0.26 | 1               |
| 1,1,2,2-Tetrachloroethane                           | ND     |           | ug/kg | 0.53 | 0.18 | 1               |
| Benzene                                             | ND     |           | ug/kg | 0.53 | 0.18 | 1               |
| Toluene                                             | ND     |           | ug/kg | 1.0  | 0.57 | 1               |
| Ethylbenzene                                        | ND     |           | ug/kg | 1.0  | 0.15 | 1               |
| Chloromethane                                       | ND     |           | ug/kg | 4.2  | 0.98 | 1               |
| Bromomethane                                        | ND     |           | ug/kg | 2.1  | 0.61 | 1               |
| Vinyl chloride                                      | ND     |           | ug/kg | 1.0  | 0.35 | 1               |
| Chloroethane                                        | ND     |           | ug/kg | 2.1  | 0.48 | 1               |
| 1,1-Dichloroethene                                  | ND     |           | ug/kg | 1.0  | 0.25 | 1               |
| trans-1,2-Dichloroethene                            | ND     |           | ug/kg | 1.6  | 0.14 | 1               |



Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-04

Date Collected: 07/14/20 12:55

Client ID: B-4

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

| Parameter                                           | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|-----------------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |      |                 |
| Trichloroethene                                     | ND     |           | ug/kg | 0.53 | 0.14 | 1               |
| 1,2-Dichlorobenzene                                 | ND     |           | ug/kg | 2.1  | 0.15 | 1               |
| 1,3-Dichlorobenzene                                 | ND     |           | ug/kg | 2.1  | 0.16 | 1               |
| 1,4-Dichlorobenzene                                 | ND     |           | ug/kg | 2.1  | 0.18 | 1               |
| Methyl tert butyl ether                             | ND     |           | ug/kg | 2.1  | 0.21 | 1               |
| p/m-Xylene                                          | ND     |           | ug/kg | 2.1  | 0.59 | 1               |
| o-Xylene                                            | ND     |           | ug/kg | 1.0  | 0.31 | 1               |
| Xylenes, Total                                      | ND     |           | ug/kg | 1.0  | 0.31 | 1               |
| cis-1,2-Dichloroethene                              | ND     |           | ug/kg | 1.0  | 0.18 | 1               |
| 1,2-Dichloroethene, Total                           | ND     |           | ug/kg | 1.0  | 0.14 | 1               |
| Dibromomethane                                      | ND     |           | ug/kg | 2.1  | 0.25 | 1               |
| Styrene                                             | ND     |           | ug/kg | 1.0  | 0.21 | 1               |
| Dichlorodifluoromethane                             | ND     |           | ug/kg | 10   | 0.96 | 1               |
| Acetone                                             | 16     |           | ug/kg | 10   | 5.1  | 1               |
| Carbon disulfide                                    | ND     |           | ug/kg | 10   | 4.8  | 1               |
| 2-Butanone                                          | ND     |           | ug/kg | 10   | 2.3  | 1               |
| Vinyl acetate                                       | ND     |           | ug/kg | 10   | 2.3  | 1               |
| 4-Methyl-2-pentanone                                | ND     |           | ug/kg | 10   | 1.4  | 1               |
| 1,2,3-Trichloropropane                              | ND     |           | ug/kg | 2.1  | 0.13 | 1               |
| 2-Hexanone                                          | ND     |           | ug/kg | 10   | 1.2  | 1               |
| Bromochloromethane                                  | ND     |           | ug/kg | 2.1  | 0.22 | 1               |
| 2,2-Dichloropropane                                 | ND     |           | ug/kg | 2.1  | 0.21 | 1               |
| 1,2-Dibromoethane                                   | ND     |           | ug/kg | 1.0  | 0.29 | 1               |
| 1,3-Dichloropropane                                 | ND     |           | ug/kg | 2.1  | 0.18 | 1               |
| 1,1,1,2-Tetrachloroethane                           | ND     |           | ug/kg | 0.53 | 0.14 | 1               |
| Bromobenzene                                        | ND     |           | ug/kg | 2.1  | 0.15 | 1               |
| n-Butylbenzene                                      | ND     |           | ug/kg | 1.0  | 0.18 | 1               |
| sec-Butylbenzene                                    | ND     |           | ug/kg | 1.0  | 0.15 | 1               |
| tert-Butylbenzene                                   | ND     |           | ug/kg | 2.1  | 0.12 | 1               |
| o-Chlorotoluene                                     | ND     |           | ug/kg | 2.1  | 0.20 | 1               |
| p-Chlorotoluene                                     | ND     |           | ug/kg | 2.1  | 0.11 | 1               |
| 1,2-Dibromo-3-chloropropane                         | ND     |           | ug/kg | 3.2  | 1.0  | 1               |
| Hexachlorobutadiene                                 | ND     |           | ug/kg | 4.2  | 0.18 | 1               |
| Isopropylbenzene                                    | ND     |           | ug/kg | 1.0  | 0.12 | 1               |
| p-Isopropyltoluene                                  | ND     |           | ug/kg | 1.0  | 0.12 | 1               |
| Naphthalene                                         | ND     |           | ug/kg | 4.2  | 0.68 | 1               |
| Acrylonitrile                                       | ND     |           | ug/kg | 4.2  | 1.2  | 1               |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-04

Date Collected: 07/14/20 12:55

Client ID: B-4

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

| Parameter                                           | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|-----------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |     |      |                 |
| n-Propylbenzene                                     | ND     |           | ug/kg | 1.0 | 0.18 | 1               |
| 1,2,3-Trichlorobenzene                              | ND     |           | ug/kg | 2.1 | 0.34 | 1               |
| 1,2,4-Trichlorobenzene                              | ND     |           | ug/kg | 2.1 | 0.29 | 1               |
| 1,3,5-Trimethylbenzene                              | ND     |           | ug/kg | 2.1 | 0.20 | 1               |
| 1,2,4-Trimethylbenzene                              | ND     |           | ug/kg | 2.1 | 0.35 | 1               |
| 1,4-Dioxane                                         | ND     |           | ug/kg | 84  | 37.  | 1               |
| p-Diethylbenzene                                    | ND     |           | ug/kg | 2.1 | 0.19 | 1               |
| p-Ethyltoluene                                      | ND     |           | ug/kg | 2.1 | 0.40 | 1               |
| 1,2,4,5-Tetramethylbenzene                          | ND     |           | ug/kg | 2.1 | 0.20 | 1               |
| Ethyl ether                                         | ND     |           | ug/kg | 2.1 | 0.36 | 1               |
| trans-1,4-Dichloro-2-butene                         | ND     |           | ug/kg | 5.3 | 1.5  | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 104        |           | 70-130              |
| Toluene-d8            | 102        |           | 70-130              |
| 4-Bromofluorobenzene  | 107        |           | 70-130              |
| Dibromofluoromethane  | 104        |           | 70-130              |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-05

Date Collected: 07/14/20 09:45

Client ID: B-1GW

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 07/15/20 09:30

Analyst: PD

| Parameter                                    | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |      |      |                 |
| Methylene chloride                           | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,1-Dichloroethane                           | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Chloroform                                   | 22     |           | ug/l  | 2.5  | 0.70 | 1               |
| Carbon tetrachloride                         | ND     |           | ug/l  | 0.50 | 0.13 | 1               |
| 1,2-Dichloropropane                          | ND     |           | ug/l  | 1.0  | 0.14 | 1               |
| Dibromochloromethane                         | ND     |           | ug/l  | 0.50 | 0.15 | 1               |
| 1,1,2-Trichloroethane                        | ND     |           | ug/l  | 1.5  | 0.50 | 1               |
| Tetrachloroethene                            | 1.2    |           | ug/l  | 0.50 | 0.18 | 1               |
| Chlorobenzene                                | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Trichlorofluoromethane                       | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,2-Dichloroethane                           | ND     |           | ug/l  | 0.50 | 0.13 | 1               |
| 1,1,1-Trichloroethane                        | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Bromodichloromethane                         | ND     |           | ug/l  | 0.50 | 0.19 | 1               |
| trans-1,3-Dichloropropene                    | ND     |           | ug/l  | 0.50 | 0.16 | 1               |
| cis-1,3-Dichloropropene                      | ND     |           | ug/l  | 0.50 | 0.14 | 1               |
| 1,3-Dichloropropene, Total                   | ND     |           | ug/l  | 0.50 | 0.14 | 1               |
| 1,1-Dichloropropene                          | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Bromoform                                    | ND     |           | ug/l  | 2.0  | 0.65 | 1               |
| 1,1,2,2-Tetrachloroethane                    | ND     |           | ug/l  | 0.50 | 0.17 | 1               |
| Benzene                                      | ND     |           | ug/l  | 0.50 | 0.16 | 1               |
| Toluene                                      | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Ethylbenzene                                 | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Chloromethane                                | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Bromomethane                                 | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Vinyl chloride                               | ND     |           | ug/l  | 1.0  | 0.07 | 1               |
| Chloroethane                                 | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,1-Dichloroethene                           | ND     |           | ug/l  | 0.50 | 0.17 | 1               |
| trans-1,2-Dichloroethene                     | ND     |           | ug/l  | 2.5  | 0.70 | 1               |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-05

Date Collected: 07/14/20 09:45

Client ID: B-1GW

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

| Parameter                                    | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |      |      |                 |
| Trichloroethene                              | ND     |           | ug/l  | 0.50 | 0.18 | 1               |
| 1,2-Dichlorobenzene                          | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,3-Dichlorobenzene                          | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,4-Dichlorobenzene                          | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Methyl tert butyl ether                      | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| p/m-Xylene                                   | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| o-Xylene                                     | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Xylenes, Total                               | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| cis-1,2-Dichloroethene                       | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,2-Dichloroethene, Total                    | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Dibromomethane                               | ND     |           | ug/l  | 5.0  | 1.0  | 1               |
| 1,2,3-Trichloropropane                       | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Acrylonitrile                                | ND     |           | ug/l  | 5.0  | 1.5  | 1               |
| Styrene                                      | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Dichlorodifluoromethane                      | ND     |           | ug/l  | 5.0  | 1.0  | 1               |
| Acetone                                      | 10     |           | ug/l  | 5.0  | 1.5  | 1               |
| Carbon disulfide                             | 2.3    | J         | ug/l  | 5.0  | 1.0  | 1               |
| 2-Butanone                                   | ND     |           | ug/l  | 5.0  | 1.9  | 1               |
| Vinyl acetate                                | ND     |           | ug/l  | 5.0  | 1.0  | 1               |
| 4-Methyl-2-pentanone                         | ND     |           | ug/l  | 5.0  | 1.0  | 1               |
| 2-Hexanone                                   | ND     |           | ug/l  | 5.0  | 1.0  | 1               |
| Bromochloromethane                           | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 2,2-Dichloropropane                          | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,2-Dibromoethane                            | ND     |           | ug/l  | 2.0  | 0.65 | 1               |
| 1,3-Dichloropropane                          | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,1,1,2-Tetrachloroethane                    | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Bromobenzene                                 | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| n-Butylbenzene                               | 12     |           | ug/l  | 2.5  | 0.70 | 1               |
| sec-Butylbenzene                             | 8.6    |           | ug/l  | 2.5  | 0.70 | 1               |
| tert-Butylbenzene                            | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| o-Chlorotoluene                              | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| p-Chlorotoluene                              | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,2-Dibromo-3-chloropropane                  | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Hexachlorobutadiene                          | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Isopropylbenzene                             | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| p-Isopropyltoluene                           | 2.4    | J         | ug/l  | 2.5  | 0.70 | 1               |
| Naphthalene                                  | ND     |           | ug/l  | 2.5  | 0.70 | 1               |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-05

Date Collected: 07/14/20 09:45

Client ID: B-1GW

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| n-Propylbenzene                              | ND     |           | ug/l  | 2.5 | 0.70 | 1               |
| 1,2,3-Trichlorobenzene                       | ND     |           | ug/l  | 2.5 | 0.70 | 1               |
| 1,2,4-Trichlorobenzene                       | ND     |           | ug/l  | 2.5 | 0.70 | 1               |
| 1,3,5-Trimethylbenzene                       | ND     |           | ug/l  | 2.5 | 0.70 | 1               |
| 1,2,4-Trimethylbenzene                       | ND     |           | ug/l  | 2.5 | 0.70 | 1               |
| 1,4-Dioxane                                  | ND     |           | ug/l  | 250 | 61.  | 1               |
| p-Diethylbenzene                             | 60     |           | ug/l  | 2.0 | 0.70 | 1               |
| p-Ethyltoluene                               | ND     |           | ug/l  | 2.0 | 0.70 | 1               |
| 1,2,4,5-Tetramethylbenzene                   | 14     |           | ug/l  | 2.0 | 0.54 | 1               |
| Ethyl ether                                  | ND     |           | ug/l  | 2.5 | 0.70 | 1               |
| trans-1,4-Dichloro-2-butene                  | ND     |           | ug/l  | 2.5 | 0.70 | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 106        |           | 70-130              |
| Toluene-d8            | 102        |           | 70-130              |
| 4-Bromofluorobenzene  | 114        |           | 70-130              |
| Dibromofluoromethane  | 94         |           | 70-130              |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-06

Date Collected: 07/14/20 11:15

Client ID: B-2GW

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 07/15/20 11:03

Analyst: PD

| Parameter                                    | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |      |      |                 |
| Methylene chloride                           | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,1-Dichloroethane                           | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Chloroform                                   | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Carbon tetrachloride                         | ND     |           | ug/l  | 0.50 | 0.13 | 1               |
| 1,2-Dichloropropane                          | ND     |           | ug/l  | 1.0  | 0.14 | 1               |
| Dibromochloromethane                         | ND     |           | ug/l  | 0.50 | 0.15 | 1               |
| 1,1,2-Trichloroethane                        | ND     |           | ug/l  | 1.5  | 0.50 | 1               |
| Tetrachloroethene                            | 0.76   |           | ug/l  | 0.50 | 0.18 | 1               |
| Chlorobenzene                                | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Trichlorofluoromethane                       | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,2-Dichloroethane                           | ND     |           | ug/l  | 0.50 | 0.13 | 1               |
| 1,1,1-Trichloroethane                        | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Bromodichloromethane                         | ND     |           | ug/l  | 0.50 | 0.19 | 1               |
| trans-1,3-Dichloropropene                    | ND     |           | ug/l  | 0.50 | 0.16 | 1               |
| cis-1,3-Dichloropropene                      | ND     |           | ug/l  | 0.50 | 0.14 | 1               |
| 1,3-Dichloropropene, Total                   | ND     |           | ug/l  | 0.50 | 0.14 | 1               |
| 1,1-Dichloropropene                          | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Bromoform                                    | ND     |           | ug/l  | 2.0  | 0.65 | 1               |
| 1,1,2,2-Tetrachloroethane                    | ND     |           | ug/l  | 0.50 | 0.17 | 1               |
| Benzene                                      | ND     |           | ug/l  | 0.50 | 0.16 | 1               |
| Toluene                                      | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Ethylbenzene                                 | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Chloromethane                                | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Bromomethane                                 | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Vinyl chloride                               | ND     |           | ug/l  | 1.0  | 0.07 | 1               |
| Chloroethane                                 | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,1-Dichloroethene                           | ND     |           | ug/l  | 0.50 | 0.17 | 1               |
| trans-1,2-Dichloroethene                     | ND     |           | ug/l  | 2.5  | 0.70 | 1               |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-06

Date Collected: 07/14/20 11:15

Client ID: B-2GW

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

| Parameter                                    | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |      |      |                 |
| Trichloroethene                              | ND     |           | ug/l  | 0.50 | 0.18 | 1               |
| 1,2-Dichlorobenzene                          | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,3-Dichlorobenzene                          | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,4-Dichlorobenzene                          | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Methyl tert butyl ether                      | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| p/m-Xylene                                   | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| o-Xylene                                     | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Xylenes, Total                               | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| cis-1,2-Dichloroethene                       | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,2-Dichloroethene, Total                    | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Dibromomethane                               | ND     |           | ug/l  | 5.0  | 1.0  | 1               |
| 1,2,3-Trichloropropane                       | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Acrylonitrile                                | ND     |           | ug/l  | 5.0  | 1.5  | 1               |
| Styrene                                      | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Dichlorodifluoromethane                      | ND     |           | ug/l  | 5.0  | 1.0  | 1               |
| Acetone                                      | 4.8    | J         | ug/l  | 5.0  | 1.5  | 1               |
| Carbon disulfide                             | ND     |           | ug/l  | 5.0  | 1.0  | 1               |
| 2-Butanone                                   | ND     |           | ug/l  | 5.0  | 1.9  | 1               |
| Vinyl acetate                                | ND     |           | ug/l  | 5.0  | 1.0  | 1               |
| 4-Methyl-2-pentanone                         | ND     |           | ug/l  | 5.0  | 1.0  | 1               |
| 2-Hexanone                                   | ND     |           | ug/l  | 5.0  | 1.0  | 1               |
| Bromochloromethane                           | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 2,2-Dichloropropane                          | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,2-Dibromoethane                            | ND     |           | ug/l  | 2.0  | 0.65 | 1               |
| 1,3-Dichloropropane                          | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,1,1,2-Tetrachloroethane                    | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Bromobenzene                                 | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| n-Butylbenzene                               | 2.3    | J         | ug/l  | 2.5  | 0.70 | 1               |
| sec-Butylbenzene                             | 15     |           | ug/l  | 2.5  | 0.70 | 1               |
| tert-Butylbenzene                            | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| o-Chlorotoluene                              | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| p-Chlorotoluene                              | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,2-Dibromo-3-chloropropane                  | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Hexachlorobutadiene                          | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Isopropylbenzene                             | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| p-Isopropyltoluene                           | 1.1    | J         | ug/l  | 2.5  | 0.70 | 1               |
| Naphthalene                                  | ND     |           | ug/l  | 2.5  | 0.70 | 1               |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-06

Date Collected: 07/14/20 11:15

Client ID: B-2GW

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| n-Propylbenzene                              | 1.5    | J         | ug/l  | 2.5 | 0.70 | 1               |
| 1,2,3-Trichlorobenzene                       | ND     |           | ug/l  | 2.5 | 0.70 | 1               |
| 1,2,4-Trichlorobenzene                       | ND     |           | ug/l  | 2.5 | 0.70 | 1               |
| 1,3,5-Trimethylbenzene                       | ND     |           | ug/l  | 2.5 | 0.70 | 1               |
| 1,2,4-Trimethylbenzene                       | ND     |           | ug/l  | 2.5 | 0.70 | 1               |
| 1,4-Dioxane                                  | ND     |           | ug/l  | 250 | 61.  | 1               |
| p-Diethylbenzene                             | 14     |           | ug/l  | 2.0 | 0.70 | 1               |
| p-Ethyltoluene                               | ND     |           | ug/l  | 2.0 | 0.70 | 1               |
| 1,2,4,5-Tetramethylbenzene                   | 17     |           | ug/l  | 2.0 | 0.54 | 1               |
| Ethyl ether                                  | ND     |           | ug/l  | 2.5 | 0.70 | 1               |
| trans-1,4-Dichloro-2-butene                  | ND     |           | ug/l  | 2.5 | 0.70 | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 108        |           | 70-130              |
| Toluene-d8            | 104        |           | 70-130              |
| 4-Bromofluorobenzene  | 122        |           | 70-130              |
| Dibromofluoromethane  | 93         |           | 70-130              |



Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-07

Date Collected: 07/14/20 12:10

Client ID: B-3GW

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 07/15/20 10:17

Analyst: PD

| Parameter                                    | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |      |      |                 |
| Methylene chloride                           | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,1-Dichloroethane                           | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Chloroform                                   | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Carbon tetrachloride                         | ND     |           | ug/l  | 0.50 | 0.13 | 1               |
| 1,2-Dichloropropane                          | ND     |           | ug/l  | 1.0  | 0.14 | 1               |
| Dibromochloromethane                         | ND     |           | ug/l  | 0.50 | 0.15 | 1               |
| 1,1,2-Trichloroethane                        | ND     |           | ug/l  | 1.5  | 0.50 | 1               |
| Tetrachloroethene                            | 1.7    |           | ug/l  | 0.50 | 0.18 | 1               |
| Chlorobenzene                                | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Trichlorofluoromethane                       | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,2-Dichloroethane                           | ND     |           | ug/l  | 0.50 | 0.13 | 1               |
| 1,1,1-Trichloroethane                        | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Bromodichloromethane                         | ND     |           | ug/l  | 0.50 | 0.19 | 1               |
| trans-1,3-Dichloropropene                    | ND     |           | ug/l  | 0.50 | 0.16 | 1               |
| cis-1,3-Dichloropropene                      | ND     |           | ug/l  | 0.50 | 0.14 | 1               |
| 1,3-Dichloropropene, Total                   | ND     |           | ug/l  | 0.50 | 0.14 | 1               |
| 1,1-Dichloropropene                          | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Bromoform                                    | ND     |           | ug/l  | 2.0  | 0.65 | 1               |
| 1,1,2,2-Tetrachloroethane                    | ND     |           | ug/l  | 0.50 | 0.17 | 1               |
| Benzene                                      | ND     |           | ug/l  | 0.50 | 0.16 | 1               |
| Toluene                                      | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Ethylbenzene                                 | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Chloromethane                                | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Bromomethane                                 | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Vinyl chloride                               | ND     |           | ug/l  | 1.0  | 0.07 | 1               |
| Chloroethane                                 | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,1-Dichloroethene                           | ND     |           | ug/l  | 0.50 | 0.17 | 1               |
| trans-1,2-Dichloroethene                     | ND     |           | ug/l  | 2.5  | 0.70 | 1               |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-07

Date Collected: 07/14/20 12:10

Client ID: B-3GW

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

| Parameter                                    | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |      |      |                 |
| Trichloroethene                              | ND     |           | ug/l  | 0.50 | 0.18 | 1               |
| 1,2-Dichlorobenzene                          | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,3-Dichlorobenzene                          | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,4-Dichlorobenzene                          | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Methyl tert butyl ether                      | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| p/m-Xylene                                   | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| o-Xylene                                     | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Xylenes, Total                               | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| cis-1,2-Dichloroethene                       | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,2-Dichloroethene, Total                    | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Dibromomethane                               | ND     |           | ug/l  | 5.0  | 1.0  | 1               |
| 1,2,3-Trichloropropane                       | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Acrylonitrile                                | ND     |           | ug/l  | 5.0  | 1.5  | 1               |
| Styrene                                      | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Dichlorodifluoromethane                      | ND     |           | ug/l  | 5.0  | 1.0  | 1               |
| Acetone                                      | 12     |           | ug/l  | 5.0  | 1.5  | 1               |
| Carbon disulfide                             | ND     |           | ug/l  | 5.0  | 1.0  | 1               |
| 2-Butanone                                   | ND     |           | ug/l  | 5.0  | 1.9  | 1               |
| Vinyl acetate                                | ND     |           | ug/l  | 5.0  | 1.0  | 1               |
| 4-Methyl-2-pentanone                         | ND     |           | ug/l  | 5.0  | 1.0  | 1               |
| 2-Hexanone                                   | ND     |           | ug/l  | 5.0  | 1.0  | 1               |
| Bromochloromethane                           | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 2,2-Dichloropropane                          | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,2-Dibromoethane                            | ND     |           | ug/l  | 2.0  | 0.65 | 1               |
| 1,3-Dichloropropane                          | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,1,1,2-Tetrachloroethane                    | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Bromobenzene                                 | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| n-Butylbenzene                               | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| sec-Butylbenzene                             | 0.74   | J         | ug/l  | 2.5  | 0.70 | 1               |
| tert-Butylbenzene                            | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| o-Chlorotoluene                              | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| p-Chlorotoluene                              | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,2-Dibromo-3-chloropropane                  | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Hexachlorobutadiene                          | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Isopropylbenzene                             | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| p-Isopropyltoluene                           | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Naphthalene                                  | ND     |           | ug/l  | 2.5  | 0.70 | 1               |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-07

Date Collected: 07/14/20 12:10

Client ID: B-3GW

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| n-Propylbenzene                              | ND     |           | ug/l  | 2.5 | 0.70 | 1               |
| 1,2,3-Trichlorobenzene                       | ND     |           | ug/l  | 2.5 | 0.70 | 1               |
| 1,2,4-Trichlorobenzene                       | ND     |           | ug/l  | 2.5 | 0.70 | 1               |
| 1,3,5-Trimethylbenzene                       | ND     |           | ug/l  | 2.5 | 0.70 | 1               |
| 1,2,4-Trimethylbenzene                       | ND     |           | ug/l  | 2.5 | 0.70 | 1               |
| 1,4-Dioxane                                  | ND     |           | ug/l  | 250 | 61.  | 1               |
| p-Diethylbenzene                             | ND     |           | ug/l  | 2.0 | 0.70 | 1               |
| p-Ethyltoluene                               | ND     |           | ug/l  | 2.0 | 0.70 | 1               |
| 1,2,4,5-Tetramethylbenzene                   | ND     |           | ug/l  | 2.0 | 0.54 | 1               |
| Ethyl ether                                  | ND     |           | ug/l  | 2.5 | 0.70 | 1               |
| trans-1,4-Dichloro-2-butene                  | ND     |           | ug/l  | 2.5 | 0.70 | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 106        |           | 70-130              |
| Toluene-d8            | 103        |           | 70-130              |
| 4-Bromofluorobenzene  | 115        |           | 70-130              |
| Dibromofluoromethane  | 94         |           | 70-130              |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-08

Date Collected: 07/14/20 13:15

Client ID: B-4GW

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 07/15/20 10:40

Analyst: PD

| Parameter                                    | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |      |      |                 |
| Methylene chloride                           | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,1-Dichloroethane                           | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Chloroform                                   | 0.71   | J         | ug/l  | 2.5  | 0.70 | 1               |
| Carbon tetrachloride                         | ND     |           | ug/l  | 0.50 | 0.13 | 1               |
| 1,2-Dichloropropane                          | ND     |           | ug/l  | 1.0  | 0.14 | 1               |
| Dibromochloromethane                         | ND     |           | ug/l  | 0.50 | 0.15 | 1               |
| 1,1,2-Trichloroethane                        | ND     |           | ug/l  | 1.5  | 0.50 | 1               |
| Tetrachloroethene                            | 2.3    |           | ug/l  | 0.50 | 0.18 | 1               |
| Chlorobenzene                                | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Trichlorofluoromethane                       | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,2-Dichloroethane                           | ND     |           | ug/l  | 0.50 | 0.13 | 1               |
| 1,1,1-Trichloroethane                        | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Bromodichloromethane                         | ND     |           | ug/l  | 0.50 | 0.19 | 1               |
| trans-1,3-Dichloropropene                    | ND     |           | ug/l  | 0.50 | 0.16 | 1               |
| cis-1,3-Dichloropropene                      | ND     |           | ug/l  | 0.50 | 0.14 | 1               |
| 1,3-Dichloropropene, Total                   | ND     |           | ug/l  | 0.50 | 0.14 | 1               |
| 1,1-Dichloropropene                          | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Bromoform                                    | ND     |           | ug/l  | 2.0  | 0.65 | 1               |
| 1,1,2,2-Tetrachloroethane                    | ND     |           | ug/l  | 0.50 | 0.17 | 1               |
| Benzene                                      | ND     |           | ug/l  | 0.50 | 0.16 | 1               |
| Toluene                                      | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Ethylbenzene                                 | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Chloromethane                                | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Bromomethane                                 | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Vinyl chloride                               | ND     |           | ug/l  | 1.0  | 0.07 | 1               |
| Chloroethane                                 | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,1-Dichloroethene                           | ND     |           | ug/l  | 0.50 | 0.17 | 1               |
| trans-1,2-Dichloroethene                     | ND     |           | ug/l  | 2.5  | 0.70 | 1               |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-08

Date Collected: 07/14/20 13:15

Client ID: B-4GW

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

| Parameter                                    | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |      |      |                 |
| Trichloroethene                              | 0.25   | J         | ug/l  | 0.50 | 0.18 | 1               |
| 1,2-Dichlorobenzene                          | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,3-Dichlorobenzene                          | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,4-Dichlorobenzene                          | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Methyl tert butyl ether                      | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| p/m-Xylene                                   | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| o-Xylene                                     | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Xylenes, Total                               | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| cis-1,2-Dichloroethene                       | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,2-Dichloroethene, Total                    | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Dibromomethane                               | ND     |           | ug/l  | 5.0  | 1.0  | 1               |
| 1,2,3-Trichloropropane                       | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Acrylonitrile                                | ND     |           | ug/l  | 5.0  | 1.5  | 1               |
| Styrene                                      | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Dichlorodifluoromethane                      | ND     |           | ug/l  | 5.0  | 1.0  | 1               |
| Acetone                                      | 7.4    |           | ug/l  | 5.0  | 1.5  | 1               |
| Carbon disulfide                             | ND     |           | ug/l  | 5.0  | 1.0  | 1               |
| 2-Butanone                                   | ND     |           | ug/l  | 5.0  | 1.9  | 1               |
| Vinyl acetate                                | ND     |           | ug/l  | 5.0  | 1.0  | 1               |
| 4-Methyl-2-pentanone                         | ND     |           | ug/l  | 5.0  | 1.0  | 1               |
| 2-Hexanone                                   | ND     |           | ug/l  | 5.0  | 1.0  | 1               |
| Bromochloromethane                           | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 2,2-Dichloropropane                          | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,2-Dibromoethane                            | ND     |           | ug/l  | 2.0  | 0.65 | 1               |
| 1,3-Dichloropropane                          | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,1,1,2-Tetrachloroethane                    | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Bromobenzene                                 | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| n-Butylbenzene                               | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| sec-Butylbenzene                             | 1.3    | J         | ug/l  | 2.5  | 0.70 | 1               |
| tert-Butylbenzene                            | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| o-Chlorotoluene                              | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| p-Chlorotoluene                              | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,2-Dibromo-3-chloropropane                  | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Hexachlorobutadiene                          | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Isopropylbenzene                             | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| p-Isopropyltoluene                           | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Naphthalene                                  | ND     |           | ug/l  | 2.5  | 0.70 | 1               |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-08

Date Collected: 07/14/20 13:15

Client ID: B-4GW

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| n-Propylbenzene                              | ND     |           | ug/l  | 2.5 | 0.70 | 1               |
| 1,2,3-Trichlorobenzene                       | ND     |           | ug/l  | 2.5 | 0.70 | 1               |
| 1,2,4-Trichlorobenzene                       | ND     |           | ug/l  | 2.5 | 0.70 | 1               |
| 1,3,5-Trimethylbenzene                       | ND     |           | ug/l  | 2.5 | 0.70 | 1               |
| 1,2,4-Trimethylbenzene                       | ND     |           | ug/l  | 2.5 | 0.70 | 1               |
| 1,4-Dioxane                                  | ND     |           | ug/l  | 250 | 61.  | 1               |
| p-Diethylbenzene                             | ND     |           | ug/l  | 2.0 | 0.70 | 1               |
| p-Ethyltoluene                               | ND     |           | ug/l  | 2.0 | 0.70 | 1               |
| 1,2,4,5-Tetramethylbenzene                   | ND     |           | ug/l  | 2.0 | 0.54 | 1               |
| Ethyl ether                                  | ND     |           | ug/l  | 2.5 | 0.70 | 1               |
| trans-1,4-Dichloro-2-butene                  | ND     |           | ug/l  | 2.5 | 0.70 | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 109        |           | 70-130              |
| Toluene-d8            | 102        |           | 70-130              |
| 4-Bromofluorobenzene  | 116        |           | 70-130              |
| Dibromofluoromethane  | 95         |           | 70-130              |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 07/15/20 07:50  
 Analyst: MV

| Parameter                                                                                   | Result | Qualifier | Units | RL   | MDL  |
|---------------------------------------------------------------------------------------------|--------|-----------|-------|------|------|
| Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-04 Batch: WG1392438-5 |        |           |       |      |      |
| Methylene chloride                                                                          | ND     |           | ug/kg | 5.0  | 2.3  |
| 1,1-Dichloroethane                                                                          | ND     |           | ug/kg | 1.0  | 0.14 |
| Chloroform                                                                                  | ND     |           | ug/kg | 1.5  | 0.14 |
| Carbon tetrachloride                                                                        | ND     |           | ug/kg | 1.0  | 0.23 |
| 1,2-Dichloropropane                                                                         | ND     |           | ug/kg | 1.0  | 0.12 |
| Dibromochloromethane                                                                        | ND     |           | ug/kg | 1.0  | 0.14 |
| 1,1,2-Trichloroethane                                                                       | ND     |           | ug/kg | 1.0  | 0.27 |
| Tetrachloroethene                                                                           | ND     |           | ug/kg | 0.50 | 0.20 |
| Chlorobenzene                                                                               | ND     |           | ug/kg | 0.50 | 0.13 |
| Trichlorofluoromethane                                                                      | ND     |           | ug/kg | 4.0  | 0.70 |
| 1,2-Dichloroethane                                                                          | ND     |           | ug/kg | 1.0  | 0.26 |
| 1,1,1-Trichloroethane                                                                       | ND     |           | ug/kg | 0.50 | 0.17 |
| Bromodichloromethane                                                                        | ND     |           | ug/kg | 0.50 | 0.11 |
| trans-1,3-Dichloropropene                                                                   | ND     |           | ug/kg | 1.0  | 0.27 |
| cis-1,3-Dichloropropene                                                                     | ND     |           | ug/kg | 0.50 | 0.16 |
| 1,3-Dichloropropene, Total                                                                  | ND     |           | ug/kg | 0.50 | 0.16 |
| 1,1-Dichloropropene                                                                         | ND     |           | ug/kg | 0.50 | 0.16 |
| Bromoform                                                                                   | ND     |           | ug/kg | 4.0  | 0.25 |
| 1,1,2,2-Tetrachloroethane                                                                   | ND     |           | ug/kg | 0.50 | 0.17 |
| Benzene                                                                                     | ND     |           | ug/kg | 0.50 | 0.17 |
| Toluene                                                                                     | ND     |           | ug/kg | 1.0  | 0.54 |
| Ethylbenzene                                                                                | ND     |           | ug/kg | 1.0  | 0.14 |
| Chloromethane                                                                               | ND     |           | ug/kg | 4.0  | 0.93 |
| Bromomethane                                                                                | ND     |           | ug/kg | 2.0  | 0.58 |
| Vinyl chloride                                                                              | ND     |           | ug/kg | 1.0  | 0.34 |
| Chloroethane                                                                                | ND     |           | ug/kg | 2.0  | 0.45 |
| 1,1-Dichloroethene                                                                          | ND     |           | ug/kg | 1.0  | 0.24 |
| trans-1,2-Dichloroethene                                                                    | ND     |           | ug/kg | 1.5  | 0.14 |
| Trichloroethene                                                                             | ND     |           | ug/kg | 0.50 | 0.14 |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 07/15/20 07:50  
 Analyst: MV

| Parameter                                                                                   | Result | Qualifier | Units | RL   | MDL  |
|---------------------------------------------------------------------------------------------|--------|-----------|-------|------|------|
| Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-04 Batch: WG1392438-5 |        |           |       |      |      |
| 1,2-Dichlorobenzene                                                                         | ND     |           | ug/kg | 2.0  | 0.14 |
| 1,3-Dichlorobenzene                                                                         | ND     |           | ug/kg | 2.0  | 0.15 |
| 1,4-Dichlorobenzene                                                                         | ND     |           | ug/kg | 2.0  | 0.17 |
| Methyl tert butyl ether                                                                     | ND     |           | ug/kg | 2.0  | 0.20 |
| p/m-Xylene                                                                                  | ND     |           | ug/kg | 2.0  | 0.56 |
| o-Xylene                                                                                    | ND     |           | ug/kg | 1.0  | 0.29 |
| Xylenes, Total                                                                              | ND     |           | ug/kg | 1.0  | 0.29 |
| cis-1,2-Dichloroethene                                                                      | ND     |           | ug/kg | 1.0  | 0.18 |
| 1,2-Dichloroethene, Total                                                                   | ND     |           | ug/kg | 1.0  | 0.14 |
| Dibromomethane                                                                              | ND     |           | ug/kg | 2.0  | 0.24 |
| Styrene                                                                                     | ND     |           | ug/kg | 1.0  | 0.20 |
| Dichlorodifluoromethane                                                                     | ND     |           | ug/kg | 10   | 0.92 |
| Acetone                                                                                     | ND     |           | ug/kg | 10   | 4.8  |
| Carbon disulfide                                                                            | ND     |           | ug/kg | 10   | 4.6  |
| 2-Butanone                                                                                  | ND     |           | ug/kg | 10   | 2.2  |
| Vinyl acetate                                                                               | ND     |           | ug/kg | 10   | 2.2  |
| 4-Methyl-2-pentanone                                                                        | ND     |           | ug/kg | 10   | 1.3  |
| 1,2,3-Trichloropropane                                                                      | ND     |           | ug/kg | 2.0  | 0.13 |
| 2-Hexanone                                                                                  | ND     |           | ug/kg | 10   | 1.2  |
| Bromochloromethane                                                                          | ND     |           | ug/kg | 2.0  | 0.20 |
| 2,2-Dichloropropane                                                                         | ND     |           | ug/kg | 2.0  | 0.20 |
| 1,2-Dibromoethane                                                                           | ND     |           | ug/kg | 1.0  | 0.28 |
| 1,3-Dichloropropane                                                                         | ND     |           | ug/kg | 2.0  | 0.17 |
| 1,1,1,2-Tetrachloroethane                                                                   | ND     |           | ug/kg | 0.50 | 0.13 |
| Bromobenzene                                                                                | ND     |           | ug/kg | 2.0  | 0.14 |
| n-Butylbenzene                                                                              | ND     |           | ug/kg | 1.0  | 0.17 |
| sec-Butylbenzene                                                                            | ND     |           | ug/kg | 1.0  | 0.15 |
| tert-Butylbenzene                                                                           | ND     |           | ug/kg | 2.0  | 0.12 |
| o-Chlorotoluene                                                                             | ND     |           | ug/kg | 2.0  | 0.19 |



Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 07/15/20 07:50  
 Analyst: MV

| Parameter                                                                                   | Result | Qualifier | Units | RL  | MDL  |
|---------------------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-04 Batch: WG1392438-5 |        |           |       |     |      |
| p-Chlorotoluene                                                                             | ND     |           | ug/kg | 2.0 | 0.11 |
| 1,2-Dibromo-3-chloropropane                                                                 | ND     |           | ug/kg | 3.0 | 1.0  |
| Hexachlorobutadiene                                                                         | ND     |           | ug/kg | 4.0 | 0.17 |
| Isopropylbenzene                                                                            | ND     |           | ug/kg | 1.0 | 0.11 |
| p-Isopropyltoluene                                                                          | ND     |           | ug/kg | 1.0 | 0.11 |
| Naphthalene                                                                                 | ND     |           | ug/kg | 4.0 | 0.65 |
| Acrylonitrile                                                                               | ND     |           | ug/kg | 4.0 | 1.2  |
| n-Propylbenzene                                                                             | ND     |           | ug/kg | 1.0 | 0.17 |
| 1,2,3-Trichlorobenzene                                                                      | ND     |           | ug/kg | 2.0 | 0.32 |
| 1,2,4-Trichlorobenzene                                                                      | ND     |           | ug/kg | 2.0 | 0.27 |
| 1,3,5-Trimethylbenzene                                                                      | ND     |           | ug/kg | 2.0 | 0.19 |
| 1,2,4-Trimethylbenzene                                                                      | ND     |           | ug/kg | 2.0 | 0.33 |
| 1,4-Dioxane                                                                                 | ND     |           | ug/kg | 80  | 35.  |
| p-Diethylbenzene                                                                            | ND     |           | ug/kg | 2.0 | 0.18 |
| p-Ethyltoluene                                                                              | ND     |           | ug/kg | 2.0 | 0.38 |
| 1,2,4,5-Tetramethylbenzene                                                                  | ND     |           | ug/kg | 2.0 | 0.19 |
| Ethyl ether                                                                                 | ND     |           | ug/kg | 2.0 | 0.34 |
| trans-1,4-Dichloro-2-butene                                                                 | ND     |           | ug/kg | 5.0 | 1.4  |

| Surrogate             | %Recovery | Qualifier | Acceptance<br>Criteria |
|-----------------------|-----------|-----------|------------------------|
| 1,2-Dichloroethane-d4 | 109       |           | 70-130                 |
| Toluene-d8            | 100       |           | 70-130                 |
| 4-Bromofluorobenzene  | 105       |           | 70-130                 |
| Dibromofluoromethane  | 105       |           | 70-130                 |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 07/15/20 08:44  
 Analyst: PD

| Parameter                                                                            | Result | Qualifier | Units | RL   | MDL  |
|--------------------------------------------------------------------------------------|--------|-----------|-------|------|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-08 Batch: WG1392459-5 |        |           |       |      |      |
| Methylene chloride                                                                   | ND     |           | ug/l  | 2.5  | 0.70 |
| 1,1-Dichloroethane                                                                   | ND     |           | ug/l  | 2.5  | 0.70 |
| Chloroform                                                                           | ND     |           | ug/l  | 2.5  | 0.70 |
| Carbon tetrachloride                                                                 | ND     |           | ug/l  | 0.50 | 0.13 |
| 1,2-Dichloropropane                                                                  | ND     |           | ug/l  | 1.0  | 0.14 |
| Dibromochloromethane                                                                 | ND     |           | ug/l  | 0.50 | 0.15 |
| 1,1,2-Trichloroethane                                                                | ND     |           | ug/l  | 1.5  | 0.50 |
| Tetrachloroethene                                                                    | ND     |           | ug/l  | 0.50 | 0.18 |
| Chlorobenzene                                                                        | ND     |           | ug/l  | 2.5  | 0.70 |
| Trichlorofluoromethane                                                               | ND     |           | ug/l  | 2.5  | 0.70 |
| 1,2-Dichloroethane                                                                   | ND     |           | ug/l  | 0.50 | 0.13 |
| 1,1,1-Trichloroethane                                                                | ND     |           | ug/l  | 2.5  | 0.70 |
| Bromodichloromethane                                                                 | ND     |           | ug/l  | 0.50 | 0.19 |
| trans-1,3-Dichloropropene                                                            | ND     |           | ug/l  | 0.50 | 0.16 |
| cis-1,3-Dichloropropene                                                              | ND     |           | ug/l  | 0.50 | 0.14 |
| 1,3-Dichloropropene, Total                                                           | ND     |           | ug/l  | 0.50 | 0.14 |
| 1,1-Dichloropropene                                                                  | ND     |           | ug/l  | 2.5  | 0.70 |
| Bromoform                                                                            | ND     |           | ug/l  | 2.0  | 0.65 |
| 1,1,1,2-Tetrachloroethane                                                            | ND     |           | ug/l  | 0.50 | 0.17 |
| Benzene                                                                              | ND     |           | ug/l  | 0.50 | 0.16 |
| Toluene                                                                              | ND     |           | ug/l  | 2.5  | 0.70 |
| Ethylbenzene                                                                         | ND     |           | ug/l  | 2.5  | 0.70 |
| Chloromethane                                                                        | ND     |           | ug/l  | 2.5  | 0.70 |
| Bromomethane                                                                         | ND     |           | ug/l  | 2.5  | 0.70 |
| Vinyl chloride                                                                       | ND     |           | ug/l  | 1.0  | 0.07 |
| Chloroethane                                                                         | ND     |           | ug/l  | 2.5  | 0.70 |
| 1,1-Dichloroethene                                                                   | ND     |           | ug/l  | 0.50 | 0.17 |
| trans-1,2-Dichloroethene                                                             | ND     |           | ug/l  | 2.5  | 0.70 |
| Trichloroethene                                                                      | ND     |           | ug/l  | 0.50 | 0.18 |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 07/15/20 08:44  
 Analyst: PD

| Parameter                                                                            | Result | Qualifier | Units | RL  | MDL  |
|--------------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-08 Batch: WG1392459-5 |        |           |       |     |      |
| 1,2-Dichlorobenzene                                                                  | ND     |           | ug/l  | 2.5 | 0.70 |
| 1,3-Dichlorobenzene                                                                  | ND     |           | ug/l  | 2.5 | 0.70 |
| 1,4-Dichlorobenzene                                                                  | ND     |           | ug/l  | 2.5 | 0.70 |
| Methyl tert butyl ether                                                              | ND     |           | ug/l  | 2.5 | 0.70 |
| p/m-Xylene                                                                           | ND     |           | ug/l  | 2.5 | 0.70 |
| o-Xylene                                                                             | ND     |           | ug/l  | 2.5 | 0.70 |
| Xylenes, Total                                                                       | ND     |           | ug/l  | 2.5 | 0.70 |
| cis-1,2-Dichloroethene                                                               | ND     |           | ug/l  | 2.5 | 0.70 |
| 1,2-Dichloroethene, Total                                                            | ND     |           | ug/l  | 2.5 | 0.70 |
| Dibromomethane                                                                       | ND     |           | ug/l  | 5.0 | 1.0  |
| 1,2,3-Trichloropropane                                                               | ND     |           | ug/l  | 2.5 | 0.70 |
| Acrylonitrile                                                                        | ND     |           | ug/l  | 5.0 | 1.5  |
| Styrene                                                                              | ND     |           | ug/l  | 2.5 | 0.70 |
| Dichlorodifluoromethane                                                              | ND     |           | ug/l  | 5.0 | 1.0  |
| Acetone                                                                              | ND     |           | ug/l  | 5.0 | 1.5  |
| Carbon disulfide                                                                     | ND     |           | ug/l  | 5.0 | 1.0  |
| 2-Butanone                                                                           | ND     |           | ug/l  | 5.0 | 1.9  |
| Vinyl acetate                                                                        | ND     |           | ug/l  | 5.0 | 1.0  |
| 4-Methyl-2-pentanone                                                                 | ND     |           | ug/l  | 5.0 | 1.0  |
| 2-Hexanone                                                                           | ND     |           | ug/l  | 5.0 | 1.0  |
| Bromochloromethane                                                                   | ND     |           | ug/l  | 2.5 | 0.70 |
| 2,2-Dichloropropane                                                                  | ND     |           | ug/l  | 2.5 | 0.70 |
| 1,2-Dibromoethane                                                                    | ND     |           | ug/l  | 2.0 | 0.65 |
| 1,3-Dichloropropane                                                                  | ND     |           | ug/l  | 2.5 | 0.70 |
| 1,1,1,2-Tetrachloroethane                                                            | ND     |           | ug/l  | 2.5 | 0.70 |
| Bromobenzene                                                                         | ND     |           | ug/l  | 2.5 | 0.70 |
| n-Butylbenzene                                                                       | ND     |           | ug/l  | 2.5 | 0.70 |
| sec-Butylbenzene                                                                     | ND     |           | ug/l  | 2.5 | 0.70 |
| tert-Butylbenzene                                                                    | ND     |           | ug/l  | 2.5 | 0.70 |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 07/15/20 08:44  
 Analyst: PD

| Parameter                                                                            | Result | Qualifier | Units | RL  | MDL  |
|--------------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-08 Batch: WG1392459-5 |        |           |       |     |      |
| o-Chlorotoluene                                                                      | ND     |           | ug/l  | 2.5 | 0.70 |
| p-Chlorotoluene                                                                      | ND     |           | ug/l  | 2.5 | 0.70 |
| 1,2-Dibromo-3-chloropropane                                                          | ND     |           | ug/l  | 2.5 | 0.70 |
| Hexachlorobutadiene                                                                  | ND     |           | ug/l  | 2.5 | 0.70 |
| Isopropylbenzene                                                                     | ND     |           | ug/l  | 2.5 | 0.70 |
| p-Isopropyltoluene                                                                   | ND     |           | ug/l  | 2.5 | 0.70 |
| Naphthalene                                                                          | ND     |           | ug/l  | 2.5 | 0.70 |
| n-Propylbenzene                                                                      | ND     |           | ug/l  | 2.5 | 0.70 |
| 1,2,3-Trichlorobenzene                                                               | ND     |           | ug/l  | 2.5 | 0.70 |
| 1,2,4-Trichlorobenzene                                                               | ND     |           | ug/l  | 2.5 | 0.70 |
| 1,3,5-Trimethylbenzene                                                               | ND     |           | ug/l  | 2.5 | 0.70 |
| 1,2,4-Trimethylbenzene                                                               | ND     |           | ug/l  | 2.5 | 0.70 |
| 1,4-Dioxane                                                                          | ND     |           | ug/l  | 250 | 61.  |
| p-Diethylbenzene                                                                     | ND     |           | ug/l  | 2.0 | 0.70 |
| p-Ethyltoluene                                                                       | ND     |           | ug/l  | 2.0 | 0.70 |
| 1,2,4,5-Tetramethylbenzene                                                           | ND     |           | ug/l  | 2.0 | 0.54 |
| Ethyl ether                                                                          | ND     |           | ug/l  | 2.5 | 0.70 |
| trans-1,4-Dichloro-2-butene                                                          | ND     |           | ug/l  | 2.5 | 0.70 |

| Surrogate             | %Recovery | Qualifier | Acceptance<br>Criteria |
|-----------------------|-----------|-----------|------------------------|
| 1,2-Dichloroethane-d4 | 108       |           | 70-130                 |
| Toluene-d8            | 104       |           | 70-130                 |
| 4-Bromofluorobenzene  | 115       |           | 70-130                 |
| Dibromofluoromethane  | 96        |           | 70-130                 |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 20-286219.1

Project Number: 20-286219.1

Lab Number: L2029724

Report Date: 07/15/20

| Parameter                                                                                                      | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|----------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04 Batch: WG1392438-3 WG1392438-4 |                  |      |                   |      |                     |     |      |               |
| Methylene chloride                                                                                             | 106              |      | 104               |      | 70-130              | 2   |      | 30            |
| 1,1-Dichloroethane                                                                                             | 113              |      | 112               |      | 70-130              | 1   |      | 30            |
| Chloroform                                                                                                     | 105              |      | 105               |      | 70-130              | 0   |      | 30            |
| Carbon tetrachloride                                                                                           | 106              |      | 108               |      | 70-130              | 2   |      | 30            |
| 1,2-Dichloropropane                                                                                            | 115              |      | 115               |      | 70-130              | 0   |      | 30            |
| Dibromochloromethane                                                                                           | 102              |      | 101               |      | 70-130              | 1   |      | 30            |
| 1,1,2-Trichloroethane                                                                                          | 108              |      | 107               |      | 70-130              | 1   |      | 30            |
| Tetrachloroethene                                                                                              | 96               |      | 97                |      | 70-130              | 1   |      | 30            |
| Chlorobenzene                                                                                                  | 99               |      | 99                |      | 70-130              | 0   |      | 30            |
| Trichlorofluoromethane                                                                                         | 103              |      | 102               |      | 70-139              | 1   |      | 30            |
| 1,2-Dichloroethane                                                                                             | 107              |      | 106               |      | 70-130              | 1   |      | 30            |
| 1,1,1-Trichloroethane                                                                                          | 104              |      | 106               |      | 70-130              | 2   |      | 30            |
| Bromodichloromethane                                                                                           | 107              |      | 106               |      | 70-130              | 1   |      | 30            |
| trans-1,3-Dichloropropene                                                                                      | 115              |      | 115               |      | 70-130              | 0   |      | 30            |
| cis-1,3-Dichloropropene                                                                                        | 112              |      | 112               |      | 70-130              | 0   |      | 30            |
| 1,1-Dichloropropene                                                                                            | 111              |      | 111               |      | 70-130              | 0   |      | 30            |
| Bromoform                                                                                                      | 103              |      | 101               |      | 70-130              | 2   |      | 30            |
| 1,1,2,2-Tetrachloroethane                                                                                      | 106              |      | 104               |      | 70-130              | 2   |      | 30            |
| Benzene                                                                                                        | 105              |      | 104               |      | 70-130              | 1   |      | 30            |
| Toluene                                                                                                        | 101              |      | 101               |      | 70-130              | 0   |      | 30            |
| Ethylbenzene                                                                                                   | 101              |      | 101               |      | 70-130              | 0   |      | 30            |
| Chloromethane                                                                                                  | 126              |      | 126               |      | 52-130              | 0   |      | 30            |
| Bromomethane                                                                                                   | 82               |      | 89                |      | 57-147              | 8   |      | 30            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 20-286219.1

Project Number: 20-286219.1

Lab Number: L2029724

Report Date: 07/15/20

| Parameter                                                                                                      | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|----------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04 Batch: WG1392438-3 WG1392438-4 |                  |      |                   |      |                     |     |      |               |
| Vinyl chloride                                                                                                 | 104              |      | 106               |      | 67-130              | 2   |      | 30            |
| Chloroethane                                                                                                   | 99               |      | 98                |      | 50-151              | 1   |      | 30            |
| 1,1-Dichloroethene                                                                                             | 91               |      | 89                |      | 65-135              | 2   |      | 30            |
| trans-1,2-Dichloroethene                                                                                       | 98               |      | 98                |      | 70-130              | 0   |      | 30            |
| Trichloroethene                                                                                                | 102              |      | 102               |      | 70-130              | 0   |      | 30            |
| 1,2-Dichlorobenzene                                                                                            | 96               |      | 95                |      | 70-130              | 1   |      | 30            |
| 1,3-Dichlorobenzene                                                                                            | 95               |      | 94                |      | 70-130              | 1   |      | 30            |
| 1,4-Dichlorobenzene                                                                                            | 97               |      | 95                |      | 70-130              | 2   |      | 30            |
| Methyl tert butyl ether                                                                                        | 106              |      | 106               |      | 66-130              | 0   |      | 30            |
| p/m-Xylene                                                                                                     | 102              |      | 102               |      | 70-130              | 0   |      | 30            |
| o-Xylene                                                                                                       | 99               |      | 98                |      | 70-130              | 1   |      | 30            |
| cis-1,2-Dichloroethene                                                                                         | 108              |      | 105               |      | 70-130              | 3   |      | 30            |
| Dibromomethane                                                                                                 | 106              |      | 107               |      | 70-130              | 1   |      | 30            |
| Styrene                                                                                                        | 100              |      | 100               |      | 70-130              | 0   |      | 30            |
| Dichlorodifluoromethane                                                                                        | 140              |      | 139               |      | 30-146              | 1   |      | 30            |
| Acetone                                                                                                        | 121              |      | 117               |      | 54-140              | 3   |      | 30            |
| Carbon disulfide                                                                                               | 92               |      | 90                |      | 59-130              | 2   |      | 30            |
| 2-Butanone                                                                                                     | 108              |      | 109               |      | 70-130              | 1   |      | 30            |
| Vinyl acetate                                                                                                  | 126              |      | 126               |      | 70-130              | 0   |      | 30            |
| 4-Methyl-2-pentanone                                                                                           | 104              |      | 102               |      | 70-130              | 2   |      | 30            |
| 1,2,3-Trichloropropane                                                                                         | 112              |      | 104               |      | 68-130              | 7   |      | 30            |
| 2-Hexanone                                                                                                     | 100              |      | 100               |      | 70-130              | 0   |      | 30            |
| Bromochloromethane                                                                                             | 104              |      | 103               |      | 70-130              | 1   |      | 30            |

# **Lab Control Sample Analysis** **Batch Quality Control**

Project Name: 20-286219.1

Project Number: 20-286219.1

Lab Number: L2029724

Report Date: 07/15/20

| Parameter                                                                                                      | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|----------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04 Batch: WG1392438-3 WG1392438-4 |                  |      |                   |      |                     |     |      |               |
| 2,2-Dichloropropane                                                                                            | 108              |      | 108               |      | 70-130              | 0   |      | 30            |
| 1,2-Dibromoethane                                                                                              | 103              |      | 101               |      | 70-130              | 2   |      | 30            |
| 1,3-Dichloropropane                                                                                            | 110              |      | 110               |      | 69-130              | 0   |      | 30            |
| 1,1,1,2-Tetrachloroethane                                                                                      | 104              |      | 103               |      | 70-130              | 1   |      | 30            |
| Bromobenzene                                                                                                   | 93               |      | 92                |      | 70-130              | 1   |      | 30            |
| n-Butylbenzene                                                                                                 | 106              |      | 104               |      | 70-130              | 2   |      | 30            |
| sec-Butylbenzene                                                                                               | 98               |      | 96                |      | 70-130              | 2   |      | 30            |
| tert-Butylbenzene                                                                                              | 100              |      | 99                |      | 70-130              | 1   |      | 30            |
| o-Chlorotoluene                                                                                                | 102              |      | 100               |      | 70-130              | 2   |      | 30            |
| p-Chlorotoluene                                                                                                | 102              |      | 100               |      | 70-130              | 2   |      | 30            |
| 1,2-Dibromo-3-chloropropane                                                                                    | 105              |      | 105               |      | 68-130              | 0   |      | 30            |
| Hexachlorobutadiene                                                                                            | 94               |      | 93                |      | 67-130              | 1   |      | 30            |
| Isopropylbenzene                                                                                               | 101              |      | 100               |      | 70-130              | 1   |      | 30            |
| p-Isopropyltoluene                                                                                             | 101              |      | 100               |      | 70-130              | 1   |      | 30            |
| Naphthalene                                                                                                    | 95               |      | 96                |      | 70-130              | 1   |      | 30            |
| Acrylonitrile                                                                                                  | 124              |      | 123               |      | 70-130              | 1   |      | 30            |
| n-Propylbenzene                                                                                                | 103              |      | 102               |      | 70-130              | 1   |      | 30            |
| 1,2,3-Trichlorobenzene                                                                                         | 92               |      | 96                |      | 70-130              | 4   |      | 30            |
| 1,2,4-Trichlorobenzene                                                                                         | 98               |      | 94                |      | 70-130              | 4   |      | 30            |
| 1,3,5-Trimethylbenzene                                                                                         | 103              |      | 102               |      | 70-130              | 1   |      | 30            |
| 1,2,4-Trimethylbenzene                                                                                         | 103              |      | 102               |      | 70-130              | 1   |      | 30            |
| 1,4-Dioxane                                                                                                    | 118              |      | 116               |      | 65-136              | 2   |      | 30            |
| p-Diethylbenzene                                                                                               | 99               |      | 97                |      | 70-130              | 2   |      | 30            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 20-286219.1

Project Number: 20-286219.1

Lab Number: L2029724

Report Date: 07/15/20

| Parameter                                                                                                      | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|----------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04 Batch: WG1392438-3 WG1392438-4 |                  |      |                   |      |                     |     |      |               |
| p-Ethyltoluene                                                                                                 | 99               |      | 97                |      | 70-130              | 2   |      | 30            |
| 1,2,4,5-Tetramethylbenzene                                                                                     | 99               |      | 97                |      | 70-130              | 2   |      | 30            |
| Ethyl ether                                                                                                    | 100              |      | 96                |      | 67-130              | 4   |      | 30            |
| trans-1,4-Dichloro-2-butene                                                                                    | 120              |      | 117               |      | 70-130              | 3   |      | 30            |

| Surrogate             | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|-----------------------|------------------|------|-------------------|------|------------------------|
| 1,2-Dichloroethane-d4 | 104              |      | 106               |      | 70-130                 |
| Toluene-d8            | 101              |      | 101               |      | 70-130                 |
| 4-Bromofluorobenzene  | 104              |      | 102               |      | 70-130                 |
| Dibromofluoromethane  | 104              |      | 101               |      | 70-130                 |



# **Lab Control Sample Analysis** **Batch Quality Control**

Project Name: 20-286219.1

Project Number: 20-286219.1

Lab Number: L2029724

Report Date: 07/15/20

| Parameter                                                                                               | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-08 Batch: WG1392459-3 WG1392459-4 |                  |      |                   |      |                     |     |      |               |
| Methylene chloride                                                                                      | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| 1,1-Dichloroethane                                                                                      | 110              |      | 110               |      | 70-130              | 0   |      | 20            |
| Chloroform                                                                                              | 100              |      | 110               |      | 70-130              | 10  |      | 20            |
| Carbon tetrachloride                                                                                    | 94               |      | 94                |      | 63-132              | 0   |      | 20            |
| 1,2-Dichloropropane                                                                                     | 110              |      | 120               |      | 70-130              | 9   |      | 20            |
| Dibromochloromethane                                                                                    | 92               |      | 94                |      | 63-130              | 2   |      | 20            |
| 1,1,2-Trichloroethane                                                                                   | 110              |      | 110               |      | 70-130              | 0   |      | 20            |
| Tetrachloroethene                                                                                       | 92               |      | 89                |      | 70-130              | 3   |      | 20            |
| Chlorobenzene                                                                                           | 100              |      | 100               |      | 75-130              | 0   |      | 20            |
| Trichlorofluoromethane                                                                                  | 100              |      | 100               |      | 62-150              | 0   |      | 20            |
| 1,2-Dichloroethane                                                                                      | 110              |      | 110               |      | 70-130              | 0   |      | 20            |
| 1,1,1-Trichloroethane                                                                                   | 100              |      | 100               |      | 67-130              | 0   |      | 20            |
| Bromodichloromethane                                                                                    | 100              |      | 100               |      | 67-130              | 0   |      | 20            |
| trans-1,3-Dichloropropene                                                                               | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| cis-1,3-Dichloropropene                                                                                 | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| 1,1-Dichloropropene                                                                                     | 110              |      | 110               |      | 70-130              | 0   |      | 20            |
| Bromoform                                                                                               | 86               |      | 85                |      | 54-136              | 1   |      | 20            |
| 1,1,2,2-Tetrachloroethane                                                                               | 110              |      | 120               |      | 67-130              | 9   |      | 20            |
| Benzene                                                                                                 | 110              |      | 110               |      | 70-130              | 0   |      | 20            |
| Toluene                                                                                                 | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| Ethylbenzene                                                                                            | 110              |      | 100               |      | 70-130              | 10  |      | 20            |
| Chloromethane                                                                                           | 120              |      | 120               |      | 64-130              | 0   |      | 20            |
| Bromomethane                                                                                            | 110              |      | 110               |      | 39-139              | 0   |      | 20            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 20-286219.1

Project Number: 20-286219.1

Lab Number: L2029724

Report Date: 07/15/20

| Parameter                                                                                               | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-08 Batch: WG1392459-3 WG1392459-4 |                  |      |                   |      |                     |     |      |               |
| Vinyl chloride                                                                                          | 110              |      | 110               |      | 55-140              | 0   |      | 20            |
| Chloroethane                                                                                            | 110              |      | 110               |      | 55-138              | 0   |      | 20            |
| 1,1-Dichloroethene                                                                                      | 100              |      | 100               |      | 61-145              | 0   |      | 20            |
| trans-1,2-Dichloroethene                                                                                | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| Trichloroethene                                                                                         | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| 1,2-Dichlorobenzene                                                                                     | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| 1,3-Dichlorobenzene                                                                                     | 100              |      | 99                |      | 70-130              | 1   |      | 20            |
| 1,4-Dichlorobenzene                                                                                     | 100              |      | 99                |      | 70-130              | 1   |      | 20            |
| Methyl tert butyl ether                                                                                 | 99               |      | 100               |      | 63-130              | 1   |      | 20            |
| p/m-Xylene                                                                                              | 105              |      | 100               |      | 70-130              | 5   |      | 20            |
| o-Xylene                                                                                                | 105              |      | 100               |      | 70-130              | 5   |      | 20            |
| cis-1,2-Dichloroethene                                                                                  | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| Dibromomethane                                                                                          | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| 1,2,3-Trichloropropane                                                                                  | 120              |      | 120               |      | 64-130              | 0   |      | 20            |
| Acrylonitrile                                                                                           | 120              |      | 110               |      | 70-130              | 9   |      | 20            |
| Styrene                                                                                                 | 105              |      | 100               |      | 70-130              | 5   |      | 20            |
| Dichlorodifluoromethane                                                                                 | 98               |      | 100               |      | 36-147              | 2   |      | 20            |
| Acetone                                                                                                 | 120              |      | 110               |      | 58-148              | 9   |      | 20            |
| Carbon disulfide                                                                                        | 100              |      | 100               |      | 51-130              | 0   |      | 20            |
| 2-Butanone                                                                                              | 120              |      | 120               |      | 63-138              | 0   |      | 20            |
| Vinyl acetate                                                                                           | 140              | Q    | 140               | Q    | 70-130              | 0   |      | 20            |
| 4-Methyl-2-pentanone                                                                                    | 120              |      | 120               |      | 59-130              | 0   |      | 20            |
| 2-Hexanone                                                                                              | 120              |      | 130               |      | 57-130              | 8   |      | 20            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 20-286219.1

Project Number: 20-286219.1

Lab Number: L2029724

Report Date: 07/15/20

| Parameter                                                                                               | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-08 Batch: WG1392459-3 WG1392459-4 |                  |      |                   |      |                     |     |      |               |
| Bromochloromethane                                                                                      | 96               |      | 95                |      | 70-130              | 1   |      | 20            |
| 2,2-Dichloropropane                                                                                     | 100              |      | 100               |      | 63-133              | 0   |      | 20            |
| 1,2-Dibromoethane                                                                                       | 99               |      | 100               |      | 70-130              | 1   |      | 20            |
| 1,3-Dichloropropane                                                                                     | 100              |      | 110               |      | 70-130              | 10  |      | 20            |
| 1,1,1,2-Tetrachloroethane                                                                               | 95               |      | 94                |      | 64-130              | 1   |      | 20            |
| Bromobenzene                                                                                            | 98               |      | 97                |      | 70-130              | 1   |      | 20            |
| n-Butylbenzene                                                                                          | 110              |      | 110               |      | 53-136              | 0   |      | 20            |
| sec-Butylbenzene                                                                                        | 110              |      | 110               |      | 70-130              | 0   |      | 20            |
| tert-Butylbenzene                                                                                       | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| o-Chlorotoluene                                                                                         | 120              |      | 110               |      | 70-130              | 9   |      | 20            |
| p-Chlorotoluene                                                                                         | 110              |      | 110               |      | 70-130              | 0   |      | 20            |
| 1,2-Dibromo-3-chloropropane                                                                             | 96               |      | 95                |      | 41-144              | 1   |      | 20            |
| Hexachlorobutadiene                                                                                     | 86               |      | 86                |      | 63-130              | 0   |      | 20            |
| Isopropylbenzene                                                                                        | 110              |      | 110               |      | 70-130              | 0   |      | 20            |
| p-Isopropyltoluene                                                                                      | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| Naphthalene                                                                                             | 110              |      | 110               |      | 70-130              | 0   |      | 20            |
| n-Propylbenzene                                                                                         | 110              |      | 110               |      | 69-130              | 0   |      | 20            |
| 1,2,3-Trichlorobenzene                                                                                  | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| 1,2,4-Trichlorobenzene                                                                                  | 96               |      | 96                |      | 70-130              | 0   |      | 20            |
| 1,3,5-Trimethylbenzene                                                                                  | 110              |      | 110               |      | 64-130              | 0   |      | 20            |
| 1,2,4-Trimethylbenzene                                                                                  | 110              |      | 110               |      | 70-130              | 0   |      | 20            |
| 1,4-Dioxane                                                                                             | 112              |      | 102               |      | 56-162              | 9   |      | 20            |
| p-Diethylbenzene                                                                                        | 100              |      | 100               |      | 70-130              | 0   |      | 20            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 20-286219.1

Project Number: 20-286219.1

Lab Number: L2029724

Report Date: 07/15/20

| Parameter                                                                                               | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-08 Batch: WG1392459-3 WG1392459-4 |                  |      |                   |      |                     |     |      |               |
| p-Ethyltoluene                                                                                          | 110              |      | 110               |      | 70-130              | 0   |      | 20            |
| 1,2,4,5-Tetramethylbenzene                                                                              | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| Ethyl ether                                                                                             | 100              |      | 100               |      | 59-134              | 0   |      | 20            |
| trans-1,4-Dichloro-2-butene                                                                             | 110              |      | 110               |      | 70-130              | 0   |      | 20            |

| Surrogate             | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|-----------------------|------------------|------|-------------------|------|------------------------|
| 1,2-Dichloroethane-d4 | 111              |      | 110               |      | 70-130                 |
| Toluene-d8            | 104              |      | 104               |      | 70-130                 |
| 4-Bromofluorobenzene  | 111              |      | 112               |      | 70-130                 |
| Dibromofluoromethane  | 98               |      | 97                |      | 70-130                 |

# SEMIVOLATILES

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-01

Date Collected: 07/14/20 09:30

Client ID: B-1

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270D

Extraction Date: 07/15/20 03:47

Analytical Date: 07/15/20 11:34

Analyst: IM

Percent Solids: 96%

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Acenaphthene                                     | ND     |           | ug/kg | 140 | 18. | 1               |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/kg | 170 | 19. | 1               |
| Hexachlorobenzene                                | ND     |           | ug/kg | 100 | 19. | 1               |
| Bis(2-chloroethyl)ether                          | ND     |           | ug/kg | 150 | 23. | 1               |
| 2-Chloronaphthalene                              | ND     |           | ug/kg | 170 | 17. | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 170 | 30. | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 170 | 29. | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 170 | 30. | 1               |
| 3,3'-Dichlorobenzidine                           | ND     |           | ug/kg | 170 | 45. | 1               |
| 2,4-Dinitrotoluene                               | ND     |           | ug/kg | 170 | 34. | 1               |
| 2,6-Dinitrotoluene                               | ND     |           | ug/kg | 170 | 29. | 1               |
| Fluoranthene                                     | 38     | J         | ug/kg | 100 | 19. | 1               |
| 4-Chlorophenyl phenyl ether                      | ND     |           | ug/kg | 170 | 18. | 1               |
| 4-Bromophenyl phenyl ether                       | ND     |           | ug/kg | 170 | 26. | 1               |
| Bis(2-chloroisopropyl)ether                      | ND     |           | ug/kg | 200 | 29. | 1               |
| Bis(2-chloroethoxy)methane                       | ND     |           | ug/kg | 180 | 17. | 1               |
| Hexachlorobutadiene                              | ND     |           | ug/kg | 170 | 25. | 1               |
| Hexachlorocyclopentadiene                        | ND     |           | ug/kg | 480 | 150 | 1               |
| Hexachloroethane                                 | ND     |           | ug/kg | 140 | 27. | 1               |
| Isophorone                                       | ND     |           | ug/kg | 150 | 22. | 1               |
| Naphthalene                                      | 29     | J         | ug/kg | 170 | 21. | 1               |
| Nitrobenzene                                     | ND     |           | ug/kg | 150 | 25. | 1               |
| NDPA/DPA                                         | ND     |           | ug/kg | 140 | 19. | 1               |
| n-Nitrosodi-n-propylamine                        | ND     |           | ug/kg | 170 | 26. | 1               |
| Bis(2-ethylhexyl)phthalate                       | ND     |           | ug/kg | 170 | 59. | 1               |
| Butyl benzyl phthalate                           | ND     |           | ug/kg | 170 | 43. | 1               |
| Di-n-butylphthalate                              | ND     |           | ug/kg | 170 | 32. | 1               |
| Di-n-octylphthalate                              | ND     |           | ug/kg | 170 | 58. | 1               |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-01

Date Collected: 07/14/20 09:30

Client ID: B-1

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Diethyl phthalate                                | ND     |           | ug/kg | 170 | 16. | 1               |
| Dimethyl phthalate                               | ND     |           | ug/kg | 170 | 36. | 1               |
| Benzo(a)anthracene                               | ND     |           | ug/kg | 100 | 19. | 1               |
| Benzo(a)pyrene                                   | ND     |           | ug/kg | 140 | 41. | 1               |
| Benzo(b)fluoranthene                             | ND     |           | ug/kg | 100 | 28. | 1               |
| Benzo(k)fluoranthene                             | ND     |           | ug/kg | 100 | 27. | 1               |
| Chrysene                                         | ND     |           | ug/kg | 100 | 18. | 1               |
| Acenaphthylene                                   | ND     |           | ug/kg | 140 | 26. | 1               |
| Anthracene                                       | 91     | J         | ug/kg | 100 | 33. | 1               |
| Benzo(ghi)perylene                               | ND     |           | ug/kg | 140 | 20. | 1               |
| Fluorene                                         | ND     |           | ug/kg | 170 | 16. | 1               |
| Phenanthrene                                     | 120    |           | ug/kg | 100 | 21. | 1               |
| Dibenzo(a,h)anthracene                           | ND     |           | ug/kg | 100 | 20. | 1               |
| Indeno(1,2,3-cd)pyrene                           | ND     |           | ug/kg | 140 | 24. | 1               |
| Pyrene                                           | 200    |           | ug/kg | 100 | 17. | 1               |
| Biphenyl                                         | ND     |           | ug/kg | 390 | 39. | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 170 | 31. | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 170 | 33. | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 170 | 32. | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 170 | 70. | 1               |
| Dibenzofuran                                     | ND     |           | ug/kg | 170 | 16. | 1               |
| 2-Methylnaphthalene                              | ND     |           | ug/kg | 200 | 20. | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/kg | 170 | 18. | 1               |
| Acetophenone                                     | ND     |           | ug/kg | 170 | 21. | 1               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/kg | 100 | 32. | 1               |
| p-Chloro-m-cresol                                | ND     |           | ug/kg | 170 | 25. | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/kg | 170 | 20. | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/kg | 150 | 27. | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 170 | 56. | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 370 | 64. | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 240 | 69. | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 810 | 79. | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 440 | 81. | 1               |
| Pentachlorophenol                                | ND     |           | ug/kg | 140 | 37. | 1               |
| Phenol                                           | ND     |           | ug/kg | 170 | 26. | 1               |
| 2-Methylphenol                                   | ND     |           | ug/kg | 170 | 26. | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 240 | 26. | 1               |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-01

Date Collected: 07/14/20 09:30

Client ID: B-1

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/kg | 170 | 32. | 1               |
| Benzoic Acid                                     | ND     |           | ug/kg | 550 | 170 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 170 | 52. | 1               |
| Carbazole                                        | ND     |           | ug/kg | 170 | 16. | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 25  | 7.8 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 75         |           | 25-120              |
| Phenol-d6            | 79         |           | 10-120              |
| Nitrobenzene-d5      | 60         |           | 23-120              |
| 2-Fluorobiphenyl     | 59         |           | 30-120              |
| 2,4,6-Tribromophenol | 67         |           | 10-136              |
| 4-Terphenyl-d14      | 69         |           | 18-120              |



Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-02

Date Collected: 07/14/20 11:00

Client ID: B-2

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270D

Extraction Date: 07/15/20 03:47

Analytical Date: 07/15/20 11:58

Analyst: IM

Percent Solids: 97%

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Acenaphthene                                     | ND     |           | ug/kg | 140 | 18. | 1               |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/kg | 170 | 19. | 1               |
| Hexachlorobenzene                                | ND     |           | ug/kg | 100 | 19. | 1               |
| Bis(2-chloroethyl)ether                          | ND     |           | ug/kg | 150 | 23. | 1               |
| 2-Chloronaphthalene                              | ND     |           | ug/kg | 170 | 17. | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 170 | 30. | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 170 | 29. | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 170 | 30. | 1               |
| 3,3'-Dichlorobenzidine                           | ND     |           | ug/kg | 170 | 45. | 1               |
| 2,4-Dinitrotoluene                               | ND     |           | ug/kg | 170 | 34. | 1               |
| 2,6-Dinitrotoluene                               | ND     |           | ug/kg | 170 | 29. | 1               |
| Fluoranthene                                     | ND     |           | ug/kg | 100 | 19. | 1               |
| 4-Chlorophenyl phenyl ether                      | ND     |           | ug/kg | 170 | 18. | 1               |
| 4-Bromophenyl phenyl ether                       | ND     |           | ug/kg | 170 | 26. | 1               |
| Bis(2-chloroisopropyl)ether                      | ND     |           | ug/kg | 200 | 29. | 1               |
| Bis(2-chloroethoxy)methane                       | ND     |           | ug/kg | 180 | 17. | 1               |
| Hexachlorobutadiene                              | ND     |           | ug/kg | 170 | 25. | 1               |
| Hexachlorocyclopentadiene                        | ND     |           | ug/kg | 480 | 150 | 1               |
| Hexachloroethane                                 | ND     |           | ug/kg | 140 | 27. | 1               |
| Isophorone                                       | ND     |           | ug/kg | 150 | 22. | 1               |
| Naphthalene                                      | ND     |           | ug/kg | 170 | 20. | 1               |
| Nitrobenzene                                     | ND     |           | ug/kg | 150 | 25. | 1               |
| NDPA/DPA                                         | ND     |           | ug/kg | 140 | 19. | 1               |
| n-Nitrosodi-n-propylamine                        | ND     |           | ug/kg | 170 | 26. | 1               |
| Bis(2-ethylhexyl)phthalate                       | 88     | J         | ug/kg | 170 | 58. | 1               |
| Butyl benzyl phthalate                           | ND     |           | ug/kg | 170 | 42. | 1               |
| Di-n-butylphthalate                              | ND     |           | ug/kg | 170 | 32. | 1               |
| Di-n-octylphthalate                              | ND     |           | ug/kg | 170 | 57. | 1               |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-02

Date Collected: 07/14/20 11:00

Client ID: B-2

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Diethyl phthalate                                | ND     |           | ug/kg | 170 | 16. | 1               |
| Dimethyl phthalate                               | ND     |           | ug/kg | 170 | 35. | 1               |
| Benzo(a)anthracene                               | ND     |           | ug/kg | 100 | 19. | 1               |
| Benzo(a)pyrene                                   | ND     |           | ug/kg | 140 | 41. | 1               |
| Benzo(b)fluoranthene                             | ND     |           | ug/kg | 100 | 28. | 1               |
| Benzo(k)fluoranthene                             | ND     |           | ug/kg | 100 | 27. | 1               |
| Chrysene                                         | ND     |           | ug/kg | 100 | 18. | 1               |
| Acenaphthylene                                   | ND     |           | ug/kg | 140 | 26. | 1               |
| Anthracene                                       | ND     |           | ug/kg | 100 | 33. | 1               |
| Benzo(ghi)perylene                               | ND     |           | ug/kg | 140 | 20. | 1               |
| Fluorene                                         | ND     |           | ug/kg | 170 | 16. | 1               |
| Phenanthrene                                     | ND     |           | ug/kg | 100 | 20. | 1               |
| Dibenzo(a,h)anthracene                           | ND     |           | ug/kg | 100 | 20. | 1               |
| Indeno(1,2,3-cd)pyrene                           | ND     |           | ug/kg | 140 | 24. | 1               |
| Pyrene                                           | ND     |           | ug/kg | 100 | 17. | 1               |
| Biphenyl                                         | ND     |           | ug/kg | 380 | 39. | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 170 | 31. | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 170 | 32. | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 170 | 32. | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 170 | 70. | 1               |
| Dibenzofuran                                     | ND     |           | ug/kg | 170 | 16. | 1               |
| 2-Methylnaphthalene                              | ND     |           | ug/kg | 200 | 20. | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/kg | 170 | 18. | 1               |
| Acetophenone                                     | ND     |           | ug/kg | 170 | 21. | 1               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/kg | 100 | 32. | 1               |
| p-Chloro-m-cresol                                | ND     |           | ug/kg | 170 | 25. | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/kg | 170 | 20. | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/kg | 150 | 27. | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 170 | 56. | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 360 | 64. | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 240 | 69. | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 810 | 79. | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 440 | 81. | 1               |
| Pentachlorophenol                                | ND     |           | ug/kg | 140 | 37. | 1               |
| Phenol                                           | ND     |           | ug/kg | 170 | 26. | 1               |
| 2-Methylphenol                                   | ND     |           | ug/kg | 170 | 26. | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 240 | 26. | 1               |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-02

Date Collected: 07/14/20 11:00

Client ID: B-2

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/kg | 170 | 32. | 1               |
| Benzoic Acid                                     | ND     |           | ug/kg | 550 | 170 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 170 | 52. | 1               |
| Carbazole                                        | ND     |           | ug/kg | 170 | 16. | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 25  | 7.8 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 97         |           | 25-120              |
| Phenol-d6            | 101        |           | 10-120              |
| Nitrobenzene-d5      | 98         |           | 23-120              |
| 2-Fluorobiphenyl     | 78         |           | 30-120              |
| 2,4,6-Tribromophenol | 90         |           | 10-136              |
| 4-Terphenyl-d14      | 95         |           | 18-120              |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-03

Date Collected: 07/14/20 12:00

Client ID: B-3

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270D

Extraction Date: 07/15/20 03:47

Analytical Date: 07/15/20 12:22

Analyst: IM

Percent Solids: 93%

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Acenaphthene                                     | ND     |           | ug/kg | 140 | 18. | 1               |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/kg | 180 | 20. | 1               |
| Hexachlorobenzene                                | ND     |           | ug/kg | 100 | 20. | 1               |
| Bis(2-chloroethyl)ether                          | ND     |           | ug/kg | 160 | 24. | 1               |
| 2-Chloronaphthalene                              | ND     |           | ug/kg | 180 | 17. | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 180 | 31. | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 180 | 30. | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 180 | 30. | 1               |
| 3,3'-Dichlorobenzidine                           | ND     |           | ug/kg | 180 | 46. | 1               |
| 2,4-Dinitrotoluene                               | ND     |           | ug/kg | 180 | 35. | 1               |
| 2,6-Dinitrotoluene                               | ND     |           | ug/kg | 180 | 30. | 1               |
| Fluoranthene                                     | ND     |           | ug/kg | 100 | 20. | 1               |
| 4-Chlorophenyl phenyl ether                      | ND     |           | ug/kg | 180 | 19. | 1               |
| 4-Bromophenyl phenyl ether                       | ND     |           | ug/kg | 180 | 27. | 1               |
| Bis(2-chloroisopropyl)ether                      | ND     |           | ug/kg | 210 | 30. | 1               |
| Bis(2-chloroethoxy)methane                       | ND     |           | ug/kg | 190 | 18. | 1               |
| Hexachlorobutadiene                              | ND     |           | ug/kg | 180 | 26. | 1               |
| Hexachlorocyclopentadiene                        | ND     |           | ug/kg | 500 | 160 | 1               |
| Hexachloroethane                                 | ND     |           | ug/kg | 140 | 28. | 1               |
| Isophorone                                       | ND     |           | ug/kg | 160 | 23. | 1               |
| Naphthalene                                      | ND     |           | ug/kg | 180 | 21. | 1               |
| Nitrobenzene                                     | ND     |           | ug/kg | 160 | 26. | 1               |
| NDPA/DPA                                         | ND     |           | ug/kg | 140 | 20. | 1               |
| n-Nitrosodi-n-propylamine                        | ND     |           | ug/kg | 180 | 27. | 1               |
| Bis(2-ethylhexyl)phthalate                       | ND     |           | ug/kg | 180 | 61. | 1               |
| Butyl benzyl phthalate                           | ND     |           | ug/kg | 180 | 44. | 1               |
| Di-n-butylphthalate                              | ND     |           | ug/kg | 180 | 33. | 1               |
| Di-n-octylphthalate                              | ND     |           | ug/kg | 180 | 60. | 1               |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-03

Date Collected: 07/14/20 12:00

Client ID: B-3

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Diethyl phthalate                                | ND     |           | ug/kg | 180 | 16. | 1               |
| Dimethyl phthalate                               | ND     |           | ug/kg | 180 | 37. | 1               |
| Benzo(a)anthracene                               | ND     |           | ug/kg | 100 | 20. | 1               |
| Benzo(a)pyrene                                   | ND     |           | ug/kg | 140 | 43. | 1               |
| Benzo(b)fluoranthene                             | ND     |           | ug/kg | 100 | 29. | 1               |
| Benzo(k)fluoranthene                             | ND     |           | ug/kg | 100 | 28. | 1               |
| Chrysene                                         | ND     |           | ug/kg | 100 | 18. | 1               |
| Acenaphthylene                                   | ND     |           | ug/kg | 140 | 27. | 1               |
| Anthracene                                       | ND     |           | ug/kg | 100 | 34. | 1               |
| Benzo(ghi)perylene                               | ND     |           | ug/kg | 140 | 20. | 1               |
| Fluorene                                         | ND     |           | ug/kg | 180 | 17. | 1               |
| Phenanthrene                                     | ND     |           | ug/kg | 100 | 21. | 1               |
| Dibenzo(a,h)anthracene                           | ND     |           | ug/kg | 100 | 20. | 1               |
| Indeno(1,2,3-cd)pyrene                           | ND     |           | ug/kg | 140 | 24. | 1               |
| Pyrene                                           | 17     | J         | ug/kg | 100 | 17. | 1               |
| Biphenyl                                         | ND     |           | ug/kg | 400 | 41. | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 180 | 32. | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 180 | 34. | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 180 | 33. | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 180 | 72. | 1               |
| Dibenzofuran                                     | ND     |           | ug/kg | 180 | 16. | 1               |
| 2-Methylnaphthalene                              | ND     |           | ug/kg | 210 | 21. | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/kg | 180 | 18. | 1               |
| Acetophenone                                     | ND     |           | ug/kg | 180 | 22. | 1               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/kg | 100 | 33. | 1               |
| p-Chloro-m-cresol                                | ND     |           | ug/kg | 180 | 26. | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/kg | 180 | 21. | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/kg | 160 | 28. | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 180 | 58. | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 380 | 66. | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 240 | 71. | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 840 | 82. | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 460 | 84. | 1               |
| Pentachlorophenol                                | ND     |           | ug/kg | 140 | 38. | 1               |
| Phenol                                           | ND     |           | ug/kg | 180 | 26. | 1               |
| 2-Methylphenol                                   | ND     |           | ug/kg | 180 | 27. | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 250 | 27. | 1               |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-03

Date Collected: 07/14/20 12:00

Client ID: B-3

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/kg | 180 | 34. | 1               |
| Benzoic Acid                                     | ND     |           | ug/kg | 570 | 180 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 180 | 54. | 1               |
| Carbazole                                        | ND     |           | ug/kg | 180 | 17. | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 26  | 8.0 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 83         |           | 25-120              |
| Phenol-d6            | 84         |           | 10-120              |
| Nitrobenzene-d5      | 82         |           | 23-120              |
| 2-Fluorobiphenyl     | 67         |           | 30-120              |
| 2,4,6-Tribromophenol | 76         |           | 10-136              |
| 4-Terphenyl-d14      | 66         |           | 18-120              |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-04

Date Collected: 07/14/20 12:55

Client ID: B-4

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270D

Extraction Date: 07/15/20 03:47

Analytical Date: 07/15/20 13:10

Analyst: IM

Percent Solids: 98%

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Acenaphthene                                     | ND     |           | ug/kg | 130 | 17. | 1               |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/kg | 170 | 19. | 1               |
| Hexachlorobenzene                                | ND     |           | ug/kg | 100 | 19. | 1               |
| Bis(2-chloroethyl)ether                          | ND     |           | ug/kg | 150 | 22. | 1               |
| 2-Chloronaphthalene                              | ND     |           | ug/kg | 170 | 16. | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 170 | 30. | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 170 | 29. | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 170 | 29. | 1               |
| 3,3'-Dichlorobenzidine                           | ND     |           | ug/kg | 170 | 44. | 1               |
| 2,4-Dinitrotoluene                               | ND     |           | ug/kg | 170 | 33. | 1               |
| 2,6-Dinitrotoluene                               | ND     |           | ug/kg | 170 | 28. | 1               |
| Fluoranthene                                     | ND     |           | ug/kg | 100 | 19. | 1               |
| 4-Chlorophenyl phenyl ether                      | ND     |           | ug/kg | 170 | 18. | 1               |
| 4-Bromophenyl phenyl ether                       | ND     |           | ug/kg | 170 | 25. | 1               |
| Bis(2-chloroisopropyl)ether                      | ND     |           | ug/kg | 200 | 28. | 1               |
| Bis(2-chloroethoxy)methane                       | ND     |           | ug/kg | 180 | 17. | 1               |
| Hexachlorobutadiene                              | ND     |           | ug/kg | 170 | 24. | 1               |
| Hexachlorocyclopentadiene                        | ND     |           | ug/kg | 480 | 150 | 1               |
| Hexachloroethane                                 | ND     |           | ug/kg | 130 | 27. | 1               |
| Isophorone                                       | ND     |           | ug/kg | 150 | 22. | 1               |
| Naphthalene                                      | ND     |           | ug/kg | 170 | 20. | 1               |
| Nitrobenzene                                     | ND     |           | ug/kg | 150 | 25. | 1               |
| NDPA/DPA                                         | ND     |           | ug/kg | 130 | 19. | 1               |
| n-Nitrosodi-n-propylamine                        | ND     |           | ug/kg | 170 | 26. | 1               |
| Bis(2-ethylhexyl)phthalate                       | ND     |           | ug/kg | 170 | 58. | 1               |
| Butyl benzyl phthalate                           | ND     |           | ug/kg | 170 | 42. | 1               |
| Di-n-butylphthalate                              | ND     |           | ug/kg | 170 | 32. | 1               |
| Di-n-octylphthalate                              | ND     |           | ug/kg | 170 | 56. | 1               |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-04

Date Collected: 07/14/20 12:55

Client ID: B-4

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Diethyl phthalate                                | ND     |           | ug/kg | 170 | 15. | 1               |
| Dimethyl phthalate                               | ND     |           | ug/kg | 170 | 35. | 1               |
| Benzo(a)anthracene                               | ND     |           | ug/kg | 100 | 19. | 1               |
| Benzo(a)pyrene                                   | ND     |           | ug/kg | 130 | 41. | 1               |
| Benzo(b)fluoranthene                             | ND     |           | ug/kg | 100 | 28. | 1               |
| Benzo(k)fluoranthene                             | ND     |           | ug/kg | 100 | 27. | 1               |
| Chrysene                                         | ND     |           | ug/kg | 100 | 17. | 1               |
| Acenaphthylene                                   | ND     |           | ug/kg | 130 | 26. | 1               |
| Anthracene                                       | ND     |           | ug/kg | 100 | 32. | 1               |
| Benzo(ghi)perylene                               | ND     |           | ug/kg | 130 | 20. | 1               |
| Fluorene                                         | ND     |           | ug/kg | 170 | 16. | 1               |
| Phenanthrene                                     | ND     |           | ug/kg | 100 | 20. | 1               |
| Dibenzo(a,h)anthracene                           | ND     |           | ug/kg | 100 | 19. | 1               |
| Indeno(1,2,3-cd)pyrene                           | ND     |           | ug/kg | 130 | 23. | 1               |
| Pyrene                                           | ND     |           | ug/kg | 100 | 16. | 1               |
| Biphenyl                                         | ND     |           | ug/kg | 380 | 39. | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 170 | 30. | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 170 | 32. | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 170 | 31. | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 170 | 69. | 1               |
| Dibenzofuran                                     | ND     |           | ug/kg | 170 | 16. | 1               |
| 2-Methylnaphthalene                              | ND     |           | ug/kg | 200 | 20. | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/kg | 170 | 17. | 1               |
| Acetophenone                                     | ND     |           | ug/kg | 170 | 21. | 1               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/kg | 100 | 32. | 1               |
| p-Chloro-m-cresol                                | ND     |           | ug/kg | 170 | 25. | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/kg | 170 | 20. | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/kg | 150 | 27. | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 170 | 55. | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 360 | 62. | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 230 | 68. | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 800 | 78. | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 430 | 80. | 1               |
| Pentachlorophenol                                | ND     |           | ug/kg | 130 | 37. | 1               |
| Phenol                                           | ND     |           | ug/kg | 170 | 25. | 1               |
| 2-Methylphenol                                   | ND     |           | ug/kg | 170 | 26. | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 240 | 26. | 1               |



Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-04

Date Collected: 07/14/20 12:55

Client ID: B-4

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/kg | 170 | 32. | 1               |
| Benzoic Acid                                     | ND     |           | ug/kg | 540 | 170 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 170 | 51. | 1               |
| Carbazole                                        | ND     |           | ug/kg | 170 | 16. | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 25  | 7.6 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 103        |           | 25-120              |
| Phenol-d6            | 105        |           | 10-120              |
| Nitrobenzene-d5      | 93         |           | 23-120              |
| 2-Fluorobiphenyl     | 83         |           | 30-120              |
| 2,4,6-Tribromophenol | 97         |           | 10-136              |
| 4-Terphenyl-d14      | 80         |           | 18-120              |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-05

Date Collected: 07/14/20 09:45

Client ID: B-1GW

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 1,8270D

Extraction Date: 07/15/20 04:09

Analytical Date: 07/15/20 10:37

Analyst: JG

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/l  | 5.0 | 0.50 | 1               |
| Bis(2-chloroethyl)ether                          | ND     |           | ug/l  | 2.0 | 0.50 | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/l  | 2.0 | 0.45 | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/l  | 2.0 | 0.40 | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/l  | 2.0 | 0.43 | 1               |
| 3,3'-Dichlorobenzidine                           | ND     |           | ug/l  | 5.0 | 1.6  | 1               |
| 2,4-Dinitrotoluene                               | ND     |           | ug/l  | 5.0 | 1.2  | 1               |
| 2,6-Dinitrotoluene                               | ND     |           | ug/l  | 5.0 | 0.93 | 1               |
| 4-Chlorophenyl phenyl ether                      | ND     |           | ug/l  | 2.0 | 0.49 | 1               |
| 4-Bromophenyl phenyl ether                       | ND     |           | ug/l  | 2.0 | 0.38 | 1               |
| Bis(2-chloroisopropyl)ether                      | ND     |           | ug/l  | 2.0 | 0.53 | 1               |
| Bis(2-chloroethoxy)methane                       | ND     |           | ug/l  | 5.0 | 0.50 | 1               |
| Hexachlorocyclopentadiene                        | ND     |           | ug/l  | 20  | 0.69 | 1               |
| Isophorone                                       | ND     |           | ug/l  | 5.0 | 1.2  | 1               |
| Nitrobenzene                                     | ND     |           | ug/l  | 2.0 | 0.77 | 1               |
| NDPA/DPA                                         | ND     |           | ug/l  | 2.0 | 0.42 | 1               |
| n-Nitrosodi-n-propylamine                        | ND     |           | ug/l  | 5.0 | 0.64 | 1               |
| Bis(2-ethylhexyl)phthalate                       | ND     |           | ug/l  | 3.0 | 1.5  | 1               |
| Butyl benzyl phthalate                           | ND     |           | ug/l  | 5.0 | 1.2  | 1               |
| Di-n-butylphthalate                              | 7.1    |           | ug/l  | 5.0 | 0.39 | 1               |
| Di-n-octylphthalate                              | ND     |           | ug/l  | 5.0 | 1.3  | 1               |
| Diethyl phthalate                                | ND     |           | ug/l  | 5.0 | 0.38 | 1               |
| Dimethyl phthalate                               | ND     |           | ug/l  | 5.0 | 1.8  | 1               |
| Biphenyl                                         | ND     |           | ug/l  | 2.0 | 0.46 | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/l  | 5.0 | 1.1  | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/l  | 5.0 | 0.50 | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/l  | 5.0 | 0.81 | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/l  | 5.0 | 0.80 | 1               |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-05

Date Collected: 07/14/20 09:45

Client ID: B-1GW

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| Dibenzofuran                                     | ND     |           | ug/l  | 2.0 | 0.50 | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/l  | 10  | 0.44 | 1               |
| Acetophenone                                     | ND     |           | ug/l  | 5.0 | 0.53 | 1               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/l  | 5.0 | 0.61 | 1               |
| p-Chloro-m-cresol                                | ND     |           | ug/l  | 2.0 | 0.35 | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/l  | 2.0 | 0.48 | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/l  | 5.0 | 0.41 | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/l  | 5.0 | 1.8  | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/l  | 10  | 0.85 | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/l  | 10  | 0.67 | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/l  | 20  | 6.6  | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/l  | 10  | 1.8  | 1               |
| Phenol                                           | ND     |           | ug/l  | 5.0 | 0.57 | 1               |
| 2-Methylphenol                                   | ND     |           | ug/l  | 5.0 | 0.49 | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/l  | 5.0 | 0.48 | 1               |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/l  | 5.0 | 0.77 | 1               |
| Benzoic Acid                                     | ND     |           | ug/l  | 50  | 2.6  | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/l  | 2.0 | 0.59 | 1               |
| Carbazole                                        | ND     |           | ug/l  | 2.0 | 0.49 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 61         |           | 21-120              |
| Phenol-d6            | 62         |           | 10-120              |
| Nitrobenzene-d5      | 69         |           | 23-120              |
| 2-Fluorobiphenyl     | 57         |           | 15-120              |
| 2,4,6-Tribromophenol | 87         |           | 10-120              |
| 4-Terphenyl-d14      | 75         |           | 41-149              |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-05

Date Collected: 07/14/20 09:45

Client ID: B-1GW

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 1,8270D-SIM

Extraction Date: 07/15/20 04:11

Analytical Date: 07/15/20 12:28

Analyst: JJW

| Parameter                                            | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|------------------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab |        |           |       |      |      |                 |
| Acenaphthene                                         | 0.06   | J         | ug/l  | 0.10 | 0.01 | 1               |
| 2-Chloronaphthalene                                  | ND     |           | ug/l  | 0.20 | 0.02 | 1               |
| Fluoranthene                                         | 0.04   | J         | ug/l  | 0.10 | 0.02 | 1               |
| Hexachlorobutadiene                                  | ND     |           | ug/l  | 0.50 | 0.05 | 1               |
| Naphthalene                                          | 1.3    |           | ug/l  | 0.10 | 0.05 | 1               |
| Benzo(a)anthracene                                   | ND     |           | ug/l  | 0.10 | 0.02 | 1               |
| Benzo(a)pyrene                                       | ND     |           | ug/l  | 0.10 | 0.02 | 1               |
| Benzo(b)fluoranthene                                 | ND     |           | ug/l  | 0.10 | 0.01 | 1               |
| Benzo(k)fluoranthene                                 | ND     |           | ug/l  | 0.10 | 0.01 | 1               |
| Chrysene                                             | 0.02   | J         | ug/l  | 0.10 | 0.01 | 1               |
| Acenaphthylene                                       | 0.05   | J         | ug/l  | 0.10 | 0.01 | 1               |
| Anthracene                                           | 0.13   |           | ug/l  | 0.10 | 0.01 | 1               |
| Benzo(ghi)perylene                                   | ND     |           | ug/l  | 0.10 | 0.01 | 1               |
| Fluorene                                             | 0.09   | J         | ug/l  | 0.10 | 0.01 | 1               |
| Phenanthrene                                         | 0.62   |           | ug/l  | 0.10 | 0.02 | 1               |
| Dibenzo(a,h)anthracene                               | ND     |           | ug/l  | 0.10 | 0.01 | 1               |
| Indeno(1,2,3-cd)pyrene                               | ND     |           | ug/l  | 0.10 | 0.01 | 1               |
| Pyrene                                               | 0.11   |           | ug/l  | 0.10 | 0.02 | 1               |
| 2-Methylnaphthalene                                  | ND     |           | ug/l  | 0.10 | 0.02 | 1               |
| Pentachlorophenol                                    | ND     |           | ug/l  | 0.80 | 0.01 | 1               |
| Hexachlorobenzene                                    | ND     |           | ug/l  | 0.80 | 0.01 | 1               |
| Hexachloroethane                                     | ND     |           | ug/l  | 0.80 | 0.06 | 1               |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-05

Date Collected: 07/14/20 09:45

Client ID: B-1GW

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

| Parameter                                            | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|------------------------------------------------------|--------|-----------|-------|----|-----|-----------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab |        |           |       |    |     |                 |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 44         |           | 21-120              |
| Phenol-d6            | 53         |           | 10-120              |
| Nitrobenzene-d5      | 69         |           | 23-120              |
| 2-Fluorobiphenyl     | 81         |           | 15-120              |
| 2,4,6-Tribromophenol | 109        |           | 10-120              |
| 4-Terphenyl-d14      | 103        |           | 41-149              |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-06

Date Collected: 07/14/20 11:15

Client ID: B-2GW

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 1,8270D

Extraction Date: 07/15/20 04:11

Analytical Date: 07/15/20 11:00

Analyst: JG

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/l  | 5.0 | 0.50 | 1               |
| Bis(2-chloroethyl)ether                          | ND     |           | ug/l  | 2.0 | 0.50 | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/l  | 2.0 | 0.45 | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/l  | 2.0 | 0.40 | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/l  | 2.0 | 0.43 | 1               |
| 3,3'-Dichlorobenzidine                           | ND     |           | ug/l  | 5.0 | 1.6  | 1               |
| 2,4-Dinitrotoluene                               | ND     |           | ug/l  | 5.0 | 1.2  | 1               |
| 2,6-Dinitrotoluene                               | ND     |           | ug/l  | 5.0 | 0.93 | 1               |
| 4-Chlorophenyl phenyl ether                      | ND     |           | ug/l  | 2.0 | 0.49 | 1               |
| 4-Bromophenyl phenyl ether                       | ND     |           | ug/l  | 2.0 | 0.38 | 1               |
| Bis(2-chloroisopropyl)ether                      | ND     |           | ug/l  | 2.0 | 0.53 | 1               |
| Bis(2-chloroethoxy)methane                       | ND     |           | ug/l  | 5.0 | 0.50 | 1               |
| Hexachlorocyclopentadiene                        | ND     |           | ug/l  | 20  | 0.69 | 1               |
| Isophorone                                       | ND     |           | ug/l  | 5.0 | 1.2  | 1               |
| Nitrobenzene                                     | ND     |           | ug/l  | 2.0 | 0.77 | 1               |
| NDPA/DPA                                         | ND     |           | ug/l  | 2.0 | 0.42 | 1               |
| n-Nitrosodi-n-propylamine                        | ND     |           | ug/l  | 5.0 | 0.64 | 1               |
| Bis(2-ethylhexyl)phthalate                       | ND     |           | ug/l  | 3.0 | 1.5  | 1               |
| Butyl benzyl phthalate                           | ND     |           | ug/l  | 5.0 | 1.2  | 1               |
| Di-n-butylphthalate                              | 2.1    | J         | ug/l  | 5.0 | 0.39 | 1               |
| Di-n-octylphthalate                              | ND     |           | ug/l  | 5.0 | 1.3  | 1               |
| Diethyl phthalate                                | 1.3    | J         | ug/l  | 5.0 | 0.38 | 1               |
| Dimethyl phthalate                               | ND     |           | ug/l  | 5.0 | 1.8  | 1               |
| Biphenyl                                         | ND     |           | ug/l  | 2.0 | 0.46 | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/l  | 5.0 | 1.1  | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/l  | 5.0 | 0.50 | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/l  | 5.0 | 0.81 | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/l  | 5.0 | 0.80 | 1               |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-06

Date Collected: 07/14/20 11:15

Client ID: B-2GW

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| Dibenzofuran                                     | ND     |           | ug/l  | 2.0 | 0.50 | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/l  | 10  | 0.44 | 1               |
| Acetophenone                                     | ND     |           | ug/l  | 5.0 | 0.53 | 1               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/l  | 5.0 | 0.61 | 1               |
| p-Chloro-m-cresol                                | ND     |           | ug/l  | 2.0 | 0.35 | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/l  | 2.0 | 0.48 | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/l  | 5.0 | 0.41 | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/l  | 5.0 | 1.8  | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/l  | 10  | 0.85 | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/l  | 10  | 0.67 | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/l  | 20  | 6.6  | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/l  | 10  | 1.8  | 1               |
| Phenol                                           | ND     |           | ug/l  | 5.0 | 0.57 | 1               |
| 2-Methylphenol                                   | ND     |           | ug/l  | 5.0 | 0.49 | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/l  | 5.0 | 0.48 | 1               |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/l  | 5.0 | 0.77 | 1               |
| Benzoic Acid                                     | ND     |           | ug/l  | 50  | 2.6  | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/l  | 2.0 | 0.59 | 1               |
| Carbazole                                        | ND     |           | ug/l  | 2.0 | 0.49 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 83         |           | 21-120              |
| Phenol-d6            | 79         |           | 10-120              |
| Nitrobenzene-d5      | 93         |           | 23-120              |
| 2-Fluorobiphenyl     | 75         |           | 15-120              |
| 2,4,6-Tribromophenol | 107        |           | 10-120              |
| 4-Terphenyl-d14      | 93         |           | 41-149              |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-06

Date Collected: 07/14/20 11:15

Client ID: B-2GW

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 1,8270D-SIM

Extraction Date: 07/15/20 04:11

Analytical Date: 07/15/20 12:49

Analyst: JJW

| Parameter                                            | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|------------------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab |        |           |       |      |      |                 |
| Acenaphthene                                         | 0.04   | J         | ug/l  | 0.10 | 0.01 | 1               |
| 2-Chloronaphthalene                                  | ND     |           | ug/l  | 0.20 | 0.02 | 1               |
| Fluoranthene                                         | 0.11   |           | ug/l  | 0.10 | 0.02 | 1               |
| Hexachlorobutadiene                                  | ND     |           | ug/l  | 0.50 | 0.05 | 1               |
| Naphthalene                                          | 0.79   |           | ug/l  | 0.10 | 0.05 | 1               |
| Benzo(a)anthracene                                   | 0.05   | J         | ug/l  | 0.10 | 0.02 | 1               |
| Benzo(a)pyrene                                       | 0.04   | J         | ug/l  | 0.10 | 0.02 | 1               |
| Benzo(b)fluoranthene                                 | 0.06   | J         | ug/l  | 0.10 | 0.01 | 1               |
| Benzo(k)fluoranthene                                 | 0.02   | J         | ug/l  | 0.10 | 0.01 | 1               |
| Chrysene                                             | 0.06   | J         | ug/l  | 0.10 | 0.01 | 1               |
| Acenaphthylene                                       | 0.04   | J         | ug/l  | 0.10 | 0.01 | 1               |
| Anthracene                                           | ND     |           | ug/l  | 0.10 | 0.01 | 1               |
| Benzo(ghi)perylene                                   | 0.08   | J         | ug/l  | 0.10 | 0.01 | 1               |
| Fluorene                                             | 0.20   |           | ug/l  | 0.10 | 0.01 | 1               |
| Phenanthrene                                         | 0.35   |           | ug/l  | 0.10 | 0.02 | 1               |
| Dibenzo(a,h)anthracene                               | ND     |           | ug/l  | 0.10 | 0.01 | 1               |
| Indeno(1,2,3-cd)pyrene                               | 0.02   | J         | ug/l  | 0.10 | 0.01 | 1               |
| Pyrene                                               | 0.45   |           | ug/l  | 0.10 | 0.02 | 1               |
| 2-Methylnaphthalene                                  | ND     |           | ug/l  | 0.10 | 0.02 | 1               |
| Pentachlorophenol                                    | ND     |           | ug/l  | 0.80 | 0.01 | 1               |
| Hexachlorobenzene                                    | ND     |           | ug/l  | 0.80 | 0.01 | 1               |
| Hexachloroethane                                     | ND     |           | ug/l  | 0.80 | 0.06 | 1               |



Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-06

Date Collected: 07/14/20 11:15

Client ID: B-2GW

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

Semivolatile Organics by GC/MS-SIM - Westborough Lab

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 62         |           | 21-120              |
| Phenol-d6            | 69         |           | 10-120              |
| Nitrobenzene-d5      | 105        |           | 23-120              |
| 2-Fluorobiphenyl     | 105        |           | 15-120              |
| 2,4,6-Tribromophenol | 129        | Q         | 10-120              |
| 4-Terphenyl-d14      | 126        |           | 41-149              |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-07

Date Collected: 07/14/20 12:10

Client ID: B-3GW

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 1,8270D

Extraction Date: 07/15/20 04:11

Analytical Date: 07/15/20 11:23

Analyst: JG

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/l  | 5.0 | 0.50 | 1               |
| Bis(2-chloroethyl)ether                          | ND     |           | ug/l  | 2.0 | 0.50 | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/l  | 2.0 | 0.45 | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/l  | 2.0 | 0.40 | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/l  | 2.0 | 0.43 | 1               |
| 3,3'-Dichlorobenzidine                           | ND     |           | ug/l  | 5.0 | 1.6  | 1               |
| 2,4-Dinitrotoluene                               | ND     |           | ug/l  | 5.0 | 1.2  | 1               |
| 2,6-Dinitrotoluene                               | ND     |           | ug/l  | 5.0 | 0.93 | 1               |
| 4-Chlorophenyl phenyl ether                      | ND     |           | ug/l  | 2.0 | 0.49 | 1               |
| 4-Bromophenyl phenyl ether                       | ND     |           | ug/l  | 2.0 | 0.38 | 1               |
| Bis(2-chloroisopropyl)ether                      | ND     |           | ug/l  | 2.0 | 0.53 | 1               |
| Bis(2-chloroethoxy)methane                       | ND     |           | ug/l  | 5.0 | 0.50 | 1               |
| Hexachlorocyclopentadiene                        | ND     |           | ug/l  | 20  | 0.69 | 1               |
| Isophorone                                       | ND     |           | ug/l  | 5.0 | 1.2  | 1               |
| Nitrobenzene                                     | ND     |           | ug/l  | 2.0 | 0.77 | 1               |
| NDPA/DPA                                         | ND     |           | ug/l  | 2.0 | 0.42 | 1               |
| n-Nitrosodi-n-propylamine                        | ND     |           | ug/l  | 5.0 | 0.64 | 1               |
| Bis(2-ethylhexyl)phthalate                       | ND     |           | ug/l  | 3.0 | 1.5  | 1               |
| Butyl benzyl phthalate                           | ND     |           | ug/l  | 5.0 | 1.2  | 1               |
| Di-n-butylphthalate                              | 0.40   | J         | ug/l  | 5.0 | 0.39 | 1               |
| Di-n-octylphthalate                              | ND     |           | ug/l  | 5.0 | 1.3  | 1               |
| Diethyl phthalate                                | ND     |           | ug/l  | 5.0 | 0.38 | 1               |
| Dimethyl phthalate                               | ND     |           | ug/l  | 5.0 | 1.8  | 1               |
| Biphenyl                                         | ND     |           | ug/l  | 2.0 | 0.46 | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/l  | 5.0 | 1.1  | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/l  | 5.0 | 0.50 | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/l  | 5.0 | 0.81 | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/l  | 5.0 | 0.80 | 1               |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-07

Date Collected: 07/14/20 12:10

Client ID: B-3GW

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| Dibenzofuran                                     | ND     |           | ug/l  | 2.0 | 0.50 | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/l  | 10  | 0.44 | 1               |
| Acetophenone                                     | ND     |           | ug/l  | 5.0 | 0.53 | 1               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/l  | 5.0 | 0.61 | 1               |
| p-Chloro-m-cresol                                | ND     |           | ug/l  | 2.0 | 0.35 | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/l  | 2.0 | 0.48 | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/l  | 5.0 | 0.41 | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/l  | 5.0 | 1.8  | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/l  | 10  | 0.85 | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/l  | 10  | 0.67 | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/l  | 20  | 6.6  | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/l  | 10  | 1.8  | 1               |
| Phenol                                           | ND     |           | ug/l  | 5.0 | 0.57 | 1               |
| 2-Methylphenol                                   | ND     |           | ug/l  | 5.0 | 0.49 | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/l  | 5.0 | 0.48 | 1               |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/l  | 5.0 | 0.77 | 1               |
| Benzoic Acid                                     | ND     |           | ug/l  | 50  | 2.6  | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/l  | 2.0 | 0.59 | 1               |
| Carbazole                                        | ND     |           | ug/l  | 2.0 | 0.49 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 57         |           | 21-120              |
| Phenol-d6            | 51         |           | 10-120              |
| Nitrobenzene-d5      | 57         |           | 23-120              |
| 2-Fluorobiphenyl     | 50         |           | 15-120              |
| 2,4,6-Tribromophenol | 69         |           | 10-120              |
| 4-Terphenyl-d14      | 58         |           | 41-149              |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-07

Date Collected: 07/14/20 12:10

Client ID: B-3GW

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 1,8270D-SIM

Extraction Date: 07/15/20 04:11

Analytical Date: 07/15/20 13:09

Analyst: JJW

| Parameter                                            | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|------------------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab |        |           |       |      |      |                 |
| Acenaphthene                                         | ND     |           | ug/l  | 0.10 | 0.01 | 1               |
| 2-Chloronaphthalene                                  | ND     |           | ug/l  | 0.20 | 0.02 | 1               |
| Fluoranthene                                         | 0.10   | J         | ug/l  | 0.10 | 0.02 | 1               |
| Hexachlorobutadiene                                  | ND     |           | ug/l  | 0.50 | 0.05 | 1               |
| Naphthalene                                          | 0.16   |           | ug/l  | 0.10 | 0.05 | 1               |
| Benzo(a)anthracene                                   | ND     |           | ug/l  | 0.10 | 0.02 | 1               |
| Benzo(a)pyrene                                       | ND     |           | ug/l  | 0.10 | 0.02 | 1               |
| Benzo(b)fluoranthene                                 | ND     |           | ug/l  | 0.10 | 0.01 | 1               |
| Benzo(k)fluoranthene                                 | ND     |           | ug/l  | 0.10 | 0.01 | 1               |
| Chrysene                                             | 0.01   | J         | ug/l  | 0.10 | 0.01 | 1               |
| Acenaphthylene                                       | ND     |           | ug/l  | 0.10 | 0.01 | 1               |
| Anthracene                                           | 0.08   | J         | ug/l  | 0.10 | 0.01 | 1               |
| Benzo(ghi)perylene                                   | ND     |           | ug/l  | 0.10 | 0.01 | 1               |
| Fluorene                                             | ND     |           | ug/l  | 0.10 | 0.01 | 1               |
| Phenanthrene                                         | 0.19   |           | ug/l  | 0.10 | 0.02 | 1               |
| Dibenzo(a,h)anthracene                               | ND     |           | ug/l  | 0.10 | 0.01 | 1               |
| Indeno(1,2,3-cd)pyrene                               | ND     |           | ug/l  | 0.10 | 0.01 | 1               |
| Pyrene                                               | 0.22   |           | ug/l  | 0.10 | 0.02 | 1               |
| 2-Methylnaphthalene                                  | ND     |           | ug/l  | 0.10 | 0.02 | 1               |
| Pentachlorophenol                                    | 0.32   | J         | ug/l  | 0.80 | 0.01 | 1               |
| Hexachlorobenzene                                    | ND     |           | ug/l  | 0.80 | 0.01 | 1               |
| Hexachloroethane                                     | ND     |           | ug/l  | 0.80 | 0.06 | 1               |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-07

Date Collected: 07/14/20 12:10

Client ID: B-3GW

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

Semivolatile Organics by GC/MS-SIM - Westborough Lab

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 37         |           | 21-120              |
| Phenol-d6            | 45         |           | 10-120              |
| Nitrobenzene-d5      | 65         |           | 23-120              |
| 2-Fluorobiphenyl     | 75         |           | 15-120              |
| 2,4,6-Tribromophenol | 87         |           | 10-120              |
| 4-Terphenyl-d14      | 87         |           | 41-149              |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-08

Date Collected: 07/14/20 13:15

Client ID: B-4GW

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 1,8270D

Extraction Date: 07/15/20 04:11

Analytical Date: 07/15/20 11:45

Analyst: JG

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/l  | 5.0 | 0.50 | 1               |
| Bis(2-chloroethyl)ether                          | ND     |           | ug/l  | 2.0 | 0.50 | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/l  | 2.0 | 0.45 | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/l  | 2.0 | 0.40 | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/l  | 2.0 | 0.43 | 1               |
| 3,3'-Dichlorobenzidine                           | ND     |           | ug/l  | 5.0 | 1.6  | 1               |
| 2,4-Dinitrotoluene                               | ND     |           | ug/l  | 5.0 | 1.2  | 1               |
| 2,6-Dinitrotoluene                               | ND     |           | ug/l  | 5.0 | 0.93 | 1               |
| 4-Chlorophenyl phenyl ether                      | ND     |           | ug/l  | 2.0 | 0.49 | 1               |
| 4-Bromophenyl phenyl ether                       | ND     |           | ug/l  | 2.0 | 0.38 | 1               |
| Bis(2-chloroisopropyl)ether                      | ND     |           | ug/l  | 2.0 | 0.53 | 1               |
| Bis(2-chloroethoxy)methane                       | ND     |           | ug/l  | 5.0 | 0.50 | 1               |
| Hexachlorocyclopentadiene                        | ND     |           | ug/l  | 20  | 0.69 | 1               |
| Isophorone                                       | ND     |           | ug/l  | 5.0 | 1.2  | 1               |
| Nitrobenzene                                     | ND     |           | ug/l  | 2.0 | 0.77 | 1               |
| NDPA/DPA                                         | ND     |           | ug/l  | 2.0 | 0.42 | 1               |
| n-Nitrosodi-n-propylamine                        | ND     |           | ug/l  | 5.0 | 0.64 | 1               |
| Bis(2-ethylhexyl)phthalate                       | ND     |           | ug/l  | 3.0 | 1.5  | 1               |
| Butyl benzyl phthalate                           | ND     |           | ug/l  | 5.0 | 1.2  | 1               |
| Di-n-butylphthalate                              | 0.56   | J         | ug/l  | 5.0 | 0.39 | 1               |
| Di-n-octylphthalate                              | ND     |           | ug/l  | 5.0 | 1.3  | 1               |
| Diethyl phthalate                                | ND     |           | ug/l  | 5.0 | 0.38 | 1               |
| Dimethyl phthalate                               | ND     |           | ug/l  | 5.0 | 1.8  | 1               |
| Biphenyl                                         | ND     |           | ug/l  | 2.0 | 0.46 | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/l  | 5.0 | 1.1  | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/l  | 5.0 | 0.50 | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/l  | 5.0 | 0.81 | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/l  | 5.0 | 0.80 | 1               |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-08

Date Collected: 07/14/20 13:15

Client ID: B-4GW

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| Dibenzofuran                                     | ND     |           | ug/l  | 2.0 | 0.50 | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/l  | 10  | 0.44 | 1               |
| Acetophenone                                     | ND     |           | ug/l  | 5.0 | 0.53 | 1               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/l  | 5.0 | 0.61 | 1               |
| p-Chloro-m-cresol                                | ND     |           | ug/l  | 2.0 | 0.35 | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/l  | 2.0 | 0.48 | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/l  | 5.0 | 0.41 | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/l  | 5.0 | 1.8  | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/l  | 10  | 0.85 | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/l  | 10  | 0.67 | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/l  | 20  | 6.6  | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/l  | 10  | 1.8  | 1               |
| Phenol                                           | ND     |           | ug/l  | 5.0 | 0.57 | 1               |
| 2-Methylphenol                                   | ND     |           | ug/l  | 5.0 | 0.49 | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/l  | 5.0 | 0.48 | 1               |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/l  | 5.0 | 0.77 | 1               |
| Benzoic Acid                                     | ND     |           | ug/l  | 50  | 2.6  | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/l  | 2.0 | 0.59 | 1               |
| Carbazole                                        | ND     |           | ug/l  | 2.0 | 0.49 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 60         |           | 21-120              |
| Phenol-d6            | 55         |           | 10-120              |
| Nitrobenzene-d5      | 70         |           | 23-120              |
| 2-Fluorobiphenyl     | 52         |           | 15-120              |
| 2,4,6-Tribromophenol | 74         |           | 10-120              |
| 4-Terphenyl-d14      | 65         |           | 41-149              |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-08

Date Collected: 07/14/20 13:15

Client ID: B-4GW

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 1,8270D-SIM

Extraction Date: 07/15/20 04:11

Analytical Date: 07/15/20 13:30

Analyst: JJW

| Parameter                                            | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|------------------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab |        |           |       |      |      |                 |
| Acenaphthene                                         | ND     |           | ug/l  | 0.10 | 0.01 | 1               |
| 2-Chloronaphthalene                                  | ND     |           | ug/l  | 0.20 | 0.02 | 1               |
| Fluoranthene                                         | 0.05   | J         | ug/l  | 0.10 | 0.02 | 1               |
| Hexachlorobutadiene                                  | ND     |           | ug/l  | 0.50 | 0.05 | 1               |
| Naphthalene                                          | ND     |           | ug/l  | 0.10 | 0.05 | 1               |
| Benzo(a)anthracene                                   | 0.02   | J         | ug/l  | 0.10 | 0.02 | 1               |
| Benzo(a)pyrene                                       | 0.04   | J         | ug/l  | 0.10 | 0.02 | 1               |
| Benzo(b)fluoranthene                                 | 0.06   | J         | ug/l  | 0.10 | 0.01 | 1               |
| Benzo(k)fluoranthene                                 | 0.03   | J         | ug/l  | 0.10 | 0.01 | 1               |
| Chrysene                                             | 0.03   | J         | ug/l  | 0.10 | 0.01 | 1               |
| Acenaphthylene                                       | 0.01   | J         | ug/l  | 0.10 | 0.01 | 1               |
| Anthracene                                           | 0.03   | J         | ug/l  | 0.10 | 0.01 | 1               |
| Benzo(ghi)perylene                                   | 0.04   | J         | ug/l  | 0.10 | 0.01 | 1               |
| Fluorene                                             | ND     |           | ug/l  | 0.10 | 0.01 | 1               |
| Phenanthrene                                         | 0.04   | J         | ug/l  | 0.10 | 0.02 | 1               |
| Dibenzo(a,h)anthracene                               | ND     |           | ug/l  | 0.10 | 0.01 | 1               |
| Indeno(1,2,3-cd)pyrene                               | 0.03   | J         | ug/l  | 0.10 | 0.01 | 1               |
| Pyrene                                               | 0.14   |           | ug/l  | 0.10 | 0.02 | 1               |
| 2-Methylnaphthalene                                  | ND     |           | ug/l  | 0.10 | 0.02 | 1               |
| Pentachlorophenol                                    | ND     |           | ug/l  | 0.80 | 0.01 | 1               |
| Hexachlorobenzene                                    | ND     |           | ug/l  | 0.80 | 0.01 | 1               |
| Hexachloroethane                                     | ND     |           | ug/l  | 0.80 | 0.06 | 1               |



Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-08

Date Collected: 07/14/20 13:15

Client ID: B-4GW

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

| Parameter                                            | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|------------------------------------------------------|--------|-----------|-------|----|-----|-----------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab |        |           |       |    |     |                 |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 40         |           | 21-120              |
| Phenol-d6            | 48         |           | 10-120              |
| Nitrobenzene-d5      | 66         |           | 23-120              |
| 2-Fluorobiphenyl     | 81         |           | 15-120              |
| 2,4,6-Tribromophenol | 97         |           | 10-120              |
| 4-Terphenyl-d14      | 99         |           | 41-149              |

Project Name: 20-286219.1

Project Number: 20-286219.1

Lab Number: L2029724

Report Date: 07/15/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D  
 Analytical Date: 07/15/20 12:53  
 Analyst: JG

Extraction Method: EPA 3510C  
 Extraction Date: 07/14/20 16:45

| Parameter                                                                                | Result | Qualifier | Units | RL  | MDL  |
|------------------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05-08 Batch: WG1392096-1 |        |           |       |     |      |
| Acenaphthene                                                                             | ND     |           | ug/l  | 2.0 | 0.44 |
| 1,2,4-Trichlorobenzene                                                                   | ND     |           | ug/l  | 5.0 | 0.50 |
| Hexachlorobenzene                                                                        | ND     |           | ug/l  | 2.0 | 0.46 |
| Bis(2-chloroethyl)ether                                                                  | ND     |           | ug/l  | 2.0 | 0.50 |
| 2-Chloronaphthalene                                                                      | ND     |           | ug/l  | 2.0 | 0.44 |
| 1,2-Dichlorobenzene                                                                      | ND     |           | ug/l  | 2.0 | 0.45 |
| 1,3-Dichlorobenzene                                                                      | ND     |           | ug/l  | 2.0 | 0.40 |
| 1,4-Dichlorobenzene                                                                      | ND     |           | ug/l  | 2.0 | 0.43 |
| 3,3'-Dichlorobenzidine                                                                   | ND     |           | ug/l  | 5.0 | 1.6  |
| 2,4-Dinitrotoluene                                                                       | ND     |           | ug/l  | 5.0 | 1.2  |
| 2,6-Dinitrotoluene                                                                       | ND     |           | ug/l  | 5.0 | 0.93 |
| Fluoranthene                                                                             | ND     |           | ug/l  | 2.0 | 0.26 |
| 4-Chlorophenyl phenyl ether                                                              | ND     |           | ug/l  | 2.0 | 0.49 |
| 4-Bromophenyl phenyl ether                                                               | ND     |           | ug/l  | 2.0 | 0.38 |
| Bis(2-chloroisopropyl)ether                                                              | ND     |           | ug/l  | 2.0 | 0.53 |
| Bis(2-chloroethoxy)methane                                                               | ND     |           | ug/l  | 5.0 | 0.50 |
| Hexachlorobutadiene                                                                      | ND     |           | ug/l  | 2.0 | 0.66 |
| Hexachlorocyclopentadiene                                                                | ND     |           | ug/l  | 20  | 0.69 |
| Hexachloroethane                                                                         | ND     |           | ug/l  | 2.0 | 0.58 |
| Isophorone                                                                               | ND     |           | ug/l  | 5.0 | 1.2  |
| Naphthalene                                                                              | ND     |           | ug/l  | 2.0 | 0.46 |
| Nitrobenzene                                                                             | ND     |           | ug/l  | 2.0 | 0.77 |
| NDPA/DPA                                                                                 | ND     |           | ug/l  | 2.0 | 0.42 |
| n-Nitrosodi-n-propylamine                                                                | ND     |           | ug/l  | 5.0 | 0.64 |
| Bis(2-ethylhexyl)phthalate                                                               | ND     |           | ug/l  | 3.0 | 1.5  |
| Butyl benzyl phthalate                                                                   | ND     |           | ug/l  | 5.0 | 1.2  |
| Di-n-butylphthalate                                                                      | ND     |           | ug/l  | 5.0 | 0.39 |
| Di-n-octylphthalate                                                                      | ND     |           | ug/l  | 5.0 | 1.3  |
| Diethyl phthalate                                                                        | ND     |           | ug/l  | 5.0 | 0.38 |

Project Name: 20-286219.1

Project Number: 20-286219.1

Lab Number: L2029724

Report Date: 07/15/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D  
 Analytical Date: 07/15/20 12:53  
 Analyst: JG

Extraction Method: EPA 3510C  
 Extraction Date: 07/14/20 16:45

| Parameter                                                                                | Result | Qualifier | Units | RL  | MDL  |
|------------------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05-08 Batch: WG1392096-1 |        |           |       |     |      |
| Dimethyl phthalate                                                                       | ND     |           | ug/l  | 5.0 | 1.8  |
| Benzo(a)anthracene                                                                       | ND     |           | ug/l  | 2.0 | 0.32 |
| Benzo(a)pyrene                                                                           | ND     |           | ug/l  | 2.0 | 0.41 |
| Benzo(b)fluoranthene                                                                     | ND     |           | ug/l  | 2.0 | 0.35 |
| Benzo(k)fluoranthene                                                                     | ND     |           | ug/l  | 2.0 | 0.37 |
| Chrysene                                                                                 | ND     |           | ug/l  | 2.0 | 0.34 |
| Acenaphthylene                                                                           | ND     |           | ug/l  | 2.0 | 0.46 |
| Anthracene                                                                               | ND     |           | ug/l  | 2.0 | 0.33 |
| Benzo(ghi)perylene                                                                       | ND     |           | ug/l  | 2.0 | 0.30 |
| Fluorene                                                                                 | ND     |           | ug/l  | 2.0 | 0.41 |
| Phenanthrene                                                                             | ND     |           | ug/l  | 2.0 | 0.33 |
| Dibenzo(a,h)anthracene                                                                   | ND     |           | ug/l  | 2.0 | 0.32 |
| Indeno(1,2,3-cd)pyrene                                                                   | ND     |           | ug/l  | 2.0 | 0.40 |
| Pyrene                                                                                   | ND     |           | ug/l  | 2.0 | 0.28 |
| Biphenyl                                                                                 | ND     |           | ug/l  | 2.0 | 0.46 |
| 4-Chloroaniline                                                                          | ND     |           | ug/l  | 5.0 | 1.1  |
| 2-Nitroaniline                                                                           | ND     |           | ug/l  | 5.0 | 0.50 |
| 3-Nitroaniline                                                                           | ND     |           | ug/l  | 5.0 | 0.81 |
| 4-Nitroaniline                                                                           | ND     |           | ug/l  | 5.0 | 0.80 |
| Dibenzofuran                                                                             | ND     |           | ug/l  | 2.0 | 0.50 |
| 2-Methylnaphthalene                                                                      | ND     |           | ug/l  | 2.0 | 0.45 |
| 1,2,4,5-Tetrachlorobenzene                                                               | ND     |           | ug/l  | 10  | 0.44 |
| Acetophenone                                                                             | ND     |           | ug/l  | 5.0 | 0.53 |
| 2,4,6-Trichlorophenol                                                                    | ND     |           | ug/l  | 5.0 | 0.61 |
| p-Chloro-m-cresol                                                                        | ND     |           | ug/l  | 2.0 | 0.35 |
| 2-Chlorophenol                                                                           | ND     |           | ug/l  | 2.0 | 0.48 |
| 2,4-Dichlorophenol                                                                       | ND     |           | ug/l  | 5.0 | 0.41 |
| 2,4-Dimethylphenol                                                                       | ND     |           | ug/l  | 5.0 | 1.8  |
| 2-Nitrophenol                                                                            | ND     |           | ug/l  | 10  | 0.85 |

Project Name: 20-286219.1

Project Number: 20-286219.1

Lab Number: L2029724

Report Date: 07/15/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D  
 Analytical Date: 07/15/20 12:53  
 Analyst: JG

Extraction Method: EPA 3510C  
 Extraction Date: 07/14/20 16:45

| Parameter                                                                                | Result | Qualifier | Units | RL  | MDL  |
|------------------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05-08 Batch: WG1392096-1 |        |           |       |     |      |
| 4-Nitrophenol                                                                            | ND     |           | ug/l  | 10  | 0.67 |
| 2,4-Dinitrophenol                                                                        | ND     |           | ug/l  | 20  | 6.6  |
| 4,6-Dinitro-o-cresol                                                                     | ND     |           | ug/l  | 10  | 1.8  |
| Pentachlorophenol                                                                        | ND     |           | ug/l  | 10  | 1.8  |
| Phenol                                                                                   | ND     |           | ug/l  | 5.0 | 0.57 |
| 2-Methylphenol                                                                           | ND     |           | ug/l  | 5.0 | 0.49 |
| 3-Methylphenol/4-Methylphenol                                                            | ND     |           | ug/l  | 5.0 | 0.48 |
| 2,4,5-Trichlorophenol                                                                    | ND     |           | ug/l  | 5.0 | 0.77 |
| Benzoic Acid                                                                             | ND     |           | ug/l  | 50  | 2.6  |
| Benzyl Alcohol                                                                           | ND     |           | ug/l  | 2.0 | 0.59 |
| Carbazole                                                                                | ND     |           | ug/l  | 2.0 | 0.49 |

| Surrogate            | %Recovery | Qualifier | Acceptance<br>Criteria |
|----------------------|-----------|-----------|------------------------|
| 2-Fluorophenol       | 52        |           | 21-120                 |
| Phenol-d6            | 43        |           | 10-120                 |
| Nitrobenzene-d5      | 77        |           | 23-120                 |
| 2-Fluorobiphenyl     | 50        |           | 15-120                 |
| 2,4,6-Tribromophenol | 50        |           | 10-120                 |
| 4-Terphenyl-d14      | 63        |           | 41-149                 |

Project Name: 20-286219.1

Project Number: 20-286219.1

Lab Number: L2029724

Report Date: 07/15/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D-SIM  
 Analytical Date: 07/15/20 11:27  
 Analyst: JJW

Extraction Method: EPA 3510C  
 Extraction Date: 07/14/20 16:54

| Parameter                                                                                    | Result | Qualifier | Units | RL   | MDL  |
|----------------------------------------------------------------------------------------------|--------|-----------|-------|------|------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 05-08 Batch: WG1392101-1 |        |           |       |      |      |
| Acenaphthene                                                                                 | ND     |           | ug/l  | 0.10 | 0.01 |
| 2-Chloronaphthalene                                                                          | ND     |           | ug/l  | 0.20 | 0.02 |
| Fluoranthene                                                                                 | ND     |           | ug/l  | 0.10 | 0.02 |
| Hexachlorobutadiene                                                                          | ND     |           | ug/l  | 0.50 | 0.05 |
| Naphthalene                                                                                  | ND     |           | ug/l  | 0.10 | 0.05 |
| Benzo(a)anthracene                                                                           | ND     |           | ug/l  | 0.10 | 0.02 |
| Benzo(a)pyrene                                                                               | ND     |           | ug/l  | 0.10 | 0.02 |
| Benzo(b)fluoranthene                                                                         | ND     |           | ug/l  | 0.10 | 0.01 |
| Benzo(k)fluoranthene                                                                         | 0.01   | J         | ug/l  | 0.10 | 0.01 |
| Chrysene                                                                                     | ND     |           | ug/l  | 0.10 | 0.01 |
| Acenaphthylene                                                                               | ND     |           | ug/l  | 0.10 | 0.01 |
| Anthracene                                                                                   | ND     |           | ug/l  | 0.10 | 0.01 |
| Benzo(ghi)perylene                                                                           | 0.02   | J         | ug/l  | 0.10 | 0.01 |
| Fluorene                                                                                     | ND     |           | ug/l  | 0.10 | 0.01 |
| Phenanthrene                                                                                 | ND     |           | ug/l  | 0.10 | 0.02 |
| Dibenzo(a,h)anthracene                                                                       | 0.03   | J         | ug/l  | 0.10 | 0.01 |
| Indeno(1,2,3-cd)pyrene                                                                       | 0.02   | J         | ug/l  | 0.10 | 0.01 |
| Pyrene                                                                                       | ND     |           | ug/l  | 0.10 | 0.02 |
| 2-Methylnaphthalene                                                                          | ND     |           | ug/l  | 0.10 | 0.02 |
| Pentachlorophenol                                                                            | ND     |           | ug/l  | 0.80 | 0.01 |
| Hexachlorobenzene                                                                            | ND     |           | ug/l  | 0.80 | 0.01 |
| Hexachloroethane                                                                             | ND     |           | ug/l  | 0.80 | 0.06 |

Project Name: 20-286219.1

Project Number: 20-286219.1

Lab Number: L2029724

Report Date: 07/15/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D-SIM  
 Analytical Date: 07/15/20 11:27  
 Analyst: JJW

Extraction Method: EPA 3510C  
 Extraction Date: 07/14/20 16:54

| Parameter                                                                                    | Result | Qualifier | Units | RL | MDL |
|----------------------------------------------------------------------------------------------|--------|-----------|-------|----|-----|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 05-08 Batch: WG1392101-1 |        |           |       |    |     |

| Surrogate            | %Recovery | Qualifier | Acceptance<br>Criteria |
|----------------------|-----------|-----------|------------------------|
| 2-Fluorophenol       | 39        |           | 21-120                 |
| Phenol-d6            | 37        |           | 10-120                 |
| Nitrobenzene-d5      | 63        |           | 23-120                 |
| 2-Fluorobiphenyl     | 78        |           | 15-120                 |
| 2,4,6-Tribromophenol | 81        |           | 10-120                 |
| 4-Terphenyl-d14      | 99        |           | 41-149                 |

Project Name: 20-286219.1

Project Number: 20-286219.1

Lab Number: L2029724

Report Date: 07/15/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D  
 Analytical Date: 07/15/20 09:35  
 Analyst: IM

Extraction Method: EPA 3546  
 Extraction Date: 07/15/20 03:47

| Parameter                                                                                | Result | Qualifier | Units | RL  | MDL |
|------------------------------------------------------------------------------------------|--------|-----------|-------|-----|-----|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1392253-1 |        |           |       |     |     |
| Acenaphthene                                                                             | ND     |           | ug/kg | 130 | 17. |
| 1,2,4-Trichlorobenzene                                                                   | ND     |           | ug/kg | 160 | 19. |
| Hexachlorobenzene                                                                        | ND     |           | ug/kg | 98  | 18. |
| Bis(2-chloroethyl)ether                                                                  | ND     |           | ug/kg | 150 | 22. |
| 2-Chloronaphthalene                                                                      | ND     |           | ug/kg | 160 | 16. |
| 1,2-Dichlorobenzene                                                                      | ND     |           | ug/kg | 160 | 29. |
| 1,3-Dichlorobenzene                                                                      | ND     |           | ug/kg | 160 | 28. |
| 1,4-Dichlorobenzene                                                                      | ND     |           | ug/kg | 160 | 28. |
| 3,3'-Dichlorobenzidine                                                                   | ND     |           | ug/kg | 160 | 44. |
| 2,4-Dinitrotoluene                                                                       | ND     |           | ug/kg | 160 | 33. |
| 2,6-Dinitrotoluene                                                                       | ND     |           | ug/kg | 160 | 28. |
| Fluoranthene                                                                             | ND     |           | ug/kg | 98  | 19. |
| 4-Chlorophenyl phenyl ether                                                              | ND     |           | ug/kg | 160 | 18. |
| 4-Bromophenyl phenyl ether                                                               | ND     |           | ug/kg | 160 | 25. |
| Bis(2-chloroisopropyl)ether                                                              | ND     |           | ug/kg | 200 | 28. |
| Bis(2-chloroethoxy)methane                                                               | ND     |           | ug/kg | 180 | 16. |
| Hexachlorobutadiene                                                                      | ND     |           | ug/kg | 160 | 24. |
| Hexachlorocyclopentadiene                                                                | ND     |           | ug/kg | 470 | 150 |
| Hexachloroethane                                                                         | ND     |           | ug/kg | 130 | 26. |
| Isophorone                                                                               | ND     |           | ug/kg | 150 | 21. |
| Naphthalene                                                                              | ND     |           | ug/kg | 160 | 20. |
| Nitrobenzene                                                                             | ND     |           | ug/kg | 150 | 24. |
| NDPA/DPA                                                                                 | ND     |           | ug/kg | 130 | 19. |
| n-Nitrosodi-n-propylamine                                                                | ND     |           | ug/kg | 160 | 25. |
| Bis(2-ethylhexyl)phthalate                                                               | ND     |           | ug/kg | 160 | 57. |
| Butyl benzyl phthalate                                                                   | ND     |           | ug/kg | 160 | 41. |
| Di-n-butylphthalate                                                                      | ND     |           | ug/kg | 160 | 31. |
| Di-n-octylphthalate                                                                      | ND     |           | ug/kg | 160 | 56. |
| Diethyl phthalate                                                                        | ND     |           | ug/kg | 160 | 15. |

Project Name: 20-286219.1

Project Number: 20-286219.1

Lab Number: L2029724

Report Date: 07/15/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D  
 Analytical Date: 07/15/20 09:35  
 Analyst: IM

Extraction Method: EPA 3546  
 Extraction Date: 07/15/20 03:47

| Parameter                                                                                | Result | Qualifier | Units | RL  | MDL |
|------------------------------------------------------------------------------------------|--------|-----------|-------|-----|-----|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1392253-1 |        |           |       |     |     |
| Dimethyl phthalate                                                                       | ND     |           | ug/kg | 160 | 34. |
| Benzo(a)anthracene                                                                       | ND     |           | ug/kg | 98  | 18. |
| Benzo(a)pyrene                                                                           | ND     |           | ug/kg | 130 | 40. |
| Benzo(b)fluoranthene                                                                     | ND     |           | ug/kg | 98  | 28. |
| Benzo(k)fluoranthene                                                                     | ND     |           | ug/kg | 98  | 26. |
| Chrysene                                                                                 | ND     |           | ug/kg | 98  | 17. |
| Acenaphthylene                                                                           | ND     |           | ug/kg | 130 | 25. |
| Anthracene                                                                               | ND     |           | ug/kg | 98  | 32. |
| Benzo(ghi)perylene                                                                       | ND     |           | ug/kg | 130 | 19. |
| Fluorene                                                                                 | ND     |           | ug/kg | 160 | 16. |
| Phenanthrene                                                                             | ND     |           | ug/kg | 98  | 20. |
| Dibenzo(a,h)anthracene                                                                   | ND     |           | ug/kg | 98  | 19. |
| Indeno(1,2,3-cd)pyrene                                                                   | ND     |           | ug/kg | 130 | 23. |
| Pyrene                                                                                   | ND     |           | ug/kg | 98  | 16. |
| Biphenyl                                                                                 | ND     |           | ug/kg | 370 | 38. |
| 4-Chloroaniline                                                                          | ND     |           | ug/kg | 160 | 30. |
| 2-Nitroaniline                                                                           | ND     |           | ug/kg | 160 | 32. |
| 3-Nitroaniline                                                                           | ND     |           | ug/kg | 160 | 31. |
| 4-Nitroaniline                                                                           | ND     |           | ug/kg | 160 | 68. |
| Dibenzofuran                                                                             | ND     |           | ug/kg | 160 | 15. |
| 2-Methylnaphthalene                                                                      | ND     |           | ug/kg | 200 | 20. |
| 1,2,4,5-Tetrachlorobenzene                                                               | ND     |           | ug/kg | 160 | 17. |
| Acetophenone                                                                             | ND     |           | ug/kg | 160 | 20. |
| 2,4,6-Trichlorophenol                                                                    | ND     |           | ug/kg | 98  | 31. |
| p-Chloro-m-cresol                                                                        | ND     |           | ug/kg | 160 | 24. |
| 2-Chlorophenol                                                                           | ND     |           | ug/kg | 160 | 19. |
| 2,4-Dichlorophenol                                                                       | ND     |           | ug/kg | 150 | 26. |
| 2,4-Dimethylphenol                                                                       | ND     |           | ug/kg | 160 | 54. |
| 2-Nitrophenol                                                                            | ND     |           | ug/kg | 350 | 62. |



Project Name: 20-286219.1

Project Number: 20-286219.1

Lab Number: L2029724

Report Date: 07/15/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D  
 Analytical Date: 07/15/20 09:35  
 Analyst: IM

Extraction Method: EPA 3546  
 Extraction Date: 07/15/20 03:47

| Parameter                                                                                | Result | Qualifier | Units | RL  | MDL |
|------------------------------------------------------------------------------------------|--------|-----------|-------|-----|-----|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1392253-1 |        |           |       |     |     |
| 4-Nitrophenol                                                                            | ND     |           | ug/kg | 230 | 67. |
| 2,4-Dinitrophenol                                                                        | ND     |           | ug/kg | 780 | 76. |
| 4,6-Dinitro-o-cresol                                                                     | ND     |           | ug/kg | 420 | 78. |
| Pentachlorophenol                                                                        | ND     |           | ug/kg | 130 | 36. |
| Phenol                                                                                   | ND     |           | ug/kg | 160 | 25. |
| 2-Methylphenol                                                                           | ND     |           | ug/kg | 160 | 25. |
| 3-Methylphenol/4-Methylphenol                                                            | ND     |           | ug/kg | 240 | 26. |
| 2,4,5-Trichlorophenol                                                                    | ND     |           | ug/kg | 160 | 31. |
| Benzoic Acid                                                                             | ND     |           | ug/kg | 530 | 160 |
| Benzyl Alcohol                                                                           | ND     |           | ug/kg | 160 | 50. |
| Carbazole                                                                                | ND     |           | ug/kg | 160 | 16. |
| 1,4-Dioxane                                                                              | ND     |           | ug/kg | 24  | 7.5 |

| Surrogate            | %Recovery | Qualifier | Acceptance<br>Criteria |
|----------------------|-----------|-----------|------------------------|
| 2-Fluorophenol       | 81        |           | 25-120                 |
| Phenol-d6            | 83        |           | 10-120                 |
| Nitrobenzene-d5      | 79        |           | 23-120                 |
| 2-Fluorobiphenyl     | 70        |           | 30-120                 |
| 2,4,6-Tribromophenol | 80        |           | 10-136                 |
| 4-Terphenyl-d14      | 80        |           | 18-120                 |

# **Lab Control Sample Analysis** **Batch Quality Control**

Project Name: 20-286219.1

Project Number: 20-286219.1

Lab Number: L2029724

Report Date: 07/15/20

| Parameter                                                                                                   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-08 Batch: WG1392096-2 WG1392096-3 |                  |      |                   |      |                     |     |      |               |
| Acenaphthene                                                                                                | 74               |      | 52                |      | 37-111              | 35  | Q    | 30            |
| 1,2,4-Trichlorobenzene                                                                                      | 66               |      | 47                |      | 39-98               | 34  | Q    | 30            |
| Hexachlorobenzene                                                                                           | 59               |      | 42                |      | 40-140              | 34  | Q    | 30            |
| Bis(2-chloroethyl)ether                                                                                     | 83               |      | 60                |      | 40-140              | 32  | Q    | 30            |
| 2-Chloronaphthalene                                                                                         | 67               |      | 46                |      | 40-140              | 37  | Q    | 30            |
| 1,2-Dichlorobenzene                                                                                         | 69               |      | 50                |      | 40-140              | 32  | Q    | 30            |
| 1,3-Dichlorobenzene                                                                                         | 67               |      | 48                |      | 40-140              | 33  | Q    | 30            |
| 1,4-Dichlorobenzene                                                                                         | 68               |      | 50                |      | 36-97               | 31  | Q    | 30            |
| 3,3'-Dichlorobenzidine                                                                                      | 73               |      | 50                |      | 40-140              | 37  | Q    | 30            |
| 2,4-Dinitrotoluene                                                                                          | 84               |      | 61                |      | 48-143              | 32  | Q    | 30            |
| 2,6-Dinitrotoluene                                                                                          | 81               |      | 52                |      | 40-140              | 44  | Q    | 30            |
| Fluoranthene                                                                                                | 68               |      | 48                |      | 40-140              | 34  | Q    | 30            |
| 4-Chlorophenyl phenyl ether                                                                                 | 67               |      | 47                |      | 40-140              | 35  | Q    | 30            |
| 4-Bromophenyl phenyl ether                                                                                  | 63               |      | 44                |      | 40-140              | 36  | Q    | 30            |
| Bis(2-chloroisopropyl)ether                                                                                 | 107              |      | 75                |      | 40-140              | 35  | Q    | 30            |
| Bis(2-chloroethoxy)methane                                                                                  | 81               |      | 55                |      | 40-140              | 38  | Q    | 30            |
| Hexachlorobutadiene                                                                                         | 61               |      | 43                |      | 40-140              | 35  | Q    | 30            |
| Hexachlorocyclopentadiene                                                                                   | 63               |      | 42                |      | 40-140              | 40  | Q    | 30            |
| Hexachloroethane                                                                                            | 77               |      | 54                |      | 40-140              | 35  | Q    | 30            |
| Isophorone                                                                                                  | 84               |      | 57                |      | 40-140              | 38  | Q    | 30            |
| Naphthalene                                                                                                 | 69               |      | 49                |      | 40-140              | 34  | Q    | 30            |
| Nitrobenzene                                                                                                | 96               |      | 66                |      | 40-140              | 37  | Q    | 30            |
| NDPA/DPA                                                                                                    | 69               |      | 48                |      | 40-140              | 36  | Q    | 30            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 20-286219.1

Project Number: 20-286219.1

Lab Number: L2029724

Report Date: 07/15/20

| Parameter                                                                                                   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-08 Batch: WG1392096-2 WG1392096-3 |                  |      |                   |      |                     |     |      |               |
| n-Nitrosodi-n-propylamine                                                                                   | 90               |      | 62                |      | 29-132              | 37  | Q    | 30            |
| Bis(2-ethylhexyl)phthalate                                                                                  | 119              |      | 68                |      | 40-140              | 55  | Q    | 30            |
| Butyl benzyl phthalate                                                                                      | 95               |      | 63                |      | 40-140              | 41  | Q    | 30            |
| Di-n-butylphthalate                                                                                         | 84               |      | 56                |      | 40-140              | 40  | Q    | 30            |
| Di-n-octylphthalate                                                                                         | 116              |      | 68                |      | 40-140              | 52  | Q    | 30            |
| Diethyl phthalate                                                                                           | 79               |      | 55                |      | 40-140              | 36  | Q    | 30            |
| Dimethyl phthalate                                                                                          | 69               |      | 46                |      | 40-140              | 40  | Q    | 30            |
| Benzo(a)anthracene                                                                                          | 84               |      | 59                |      | 40-140              | 35  | Q    | 30            |
| Benzo(a)pyrene                                                                                              | 78               |      | 57                |      | 40-140              | 31  | Q    | 30            |
| Benzo(b)fluoranthene                                                                                        | 86               |      | 56                |      | 40-140              | 42  | Q    | 30            |
| Benzo(k)fluoranthene                                                                                        | 75               |      | 60                |      | 40-140              | 22  |      | 30            |
| Chrysene                                                                                                    | 82               |      | 62                |      | 40-140              | 28  |      | 30            |
| Acenaphthylene                                                                                              | 67               |      | 45                |      | 45-123              | 39  | Q    | 30            |
| Anthracene                                                                                                  | 75               |      | 54                |      | 40-140              | 33  | Q    | 30            |
| Benzo(ghi)perylene                                                                                          | 85               |      | 63                |      | 40-140              | 30  |      | 30            |
| Fluorene                                                                                                    | 71               |      | 49                |      | 40-140              | 37  | Q    | 30            |
| Phenanthrene                                                                                                | 74               |      | 53                |      | 40-140              | 33  | Q    | 30            |
| Dibenzo(a,h)anthracene                                                                                      | 87               |      | 65                |      | 40-140              | 29  |      | 30            |
| Indeno(1,2,3-cd)pyrene                                                                                      | 84               |      | 63                |      | 40-140              | 29  |      | 30            |
| Pyrene                                                                                                      | 68               |      | 49                |      | 26-127              | 32  | Q    | 30            |
| Biphenyl                                                                                                    | 73               |      | 50                |      | 40-140              | 37  | Q    | 30            |
| 4-Chloroaniline                                                                                             | 72               |      | 50                |      | 40-140              | 36  | Q    | 30            |
| 2-Nitroaniline                                                                                              | 82               |      | 56                |      | 52-143              | 38  | Q    | 30            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 20-286219.1

Project Number: 20-286219.1

Lab Number: L2029724

Report Date: 07/15/20

| Parameter                                                                                                   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-08 Batch: WG1392096-2 WG1392096-3 |                  |      |                   |      |                     |     |      |               |
| 3-Nitroaniline                                                                                              | 75               |      | 54                |      | 25-145              | 33  | Q    | 30            |
| 4-Nitroaniline                                                                                              | 65               |      | 48                | Q    | 51-143              | 30  |      | 30            |
| Dibenzofuran                                                                                                | 69               |      | 48                |      | 40-140              | 36  | Q    | 30            |
| 2-Methylnaphthalene                                                                                         | 67               |      | 46                |      | 40-140              | 37  | Q    | 30            |
| 1,2,4,5-Tetrachlorobenzene                                                                                  | 65               |      | 45                |      | 2-134               | 36  | Q    | 30            |
| Acetophenone                                                                                                | 80               |      | 56                |      | 39-129              | 35  | Q    | 30            |
| 2,4,6-Trichlorophenol                                                                                       | 68               |      | 46                |      | 30-130              | 39  | Q    | 30            |
| p-Chloro-m-cresol                                                                                           | 78               |      | 52                |      | 23-97               | 40  | Q    | 30            |
| 2-Chlorophenol                                                                                              | 75               |      | 54                |      | 27-123              | 33  | Q    | 30            |
| 2,4-Dichlorophenol                                                                                          | 76               |      | 51                |      | 30-130              | 39  | Q    | 30            |
| 2,4-Dimethylphenol                                                                                          | 69               |      | 46                |      | 30-130              | 40  | Q    | 30            |
| 2-Nitrophenol                                                                                               | 99               |      | 66                |      | 30-130              | 40  | Q    | 30            |
| 4-Nitrophenol                                                                                               | 90               | Q    | 61                |      | 10-80               | 38  | Q    | 30            |
| 2,4-Dinitrophenol                                                                                           | 84               |      | 45                |      | 20-130              | 60  | Q    | 30            |
| 4,6-Dinitro-o-cresol                                                                                        | 94               |      | 65                |      | 20-164              | 36  | Q    | 30            |
| Pentachlorophenol                                                                                           | 71               |      | 45                |      | 9-103               | 45  | Q    | 30            |
| Phenol                                                                                                      | 57               |      | 41                |      | 12-110              | 33  | Q    | 30            |
| 2-Methylphenol                                                                                              | 73               |      | 51                |      | 30-130              | 35  | Q    | 30            |
| 3-Methylphenol/4-Methylphenol                                                                               | 81               |      | 57                |      | 30-130              | 35  | Q    | 30            |
| 2,4,5-Trichlorophenol                                                                                       | 69               |      | 46                |      | 30-130              | 40  | Q    | 30            |
| Benzoic Acid                                                                                                | 46               |      | 0                 | Q    | 10-164              | NC  |      | 30            |
| Benzyl Alcohol                                                                                              | 75               |      | 54                |      | 26-116              | 33  | Q    | 30            |
| Carbazole                                                                                                   | 71               |      | 51                | Q    | 55-144              | 33  | Q    | 30            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 20-286219.1

Project Number: 20-286219.1

Lab Number: L2029724

Report Date: 07/15/20

| Parameter                                                                                                   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-08 Batch: WG1392096-2 WG1392096-3 |                  |      |                   |      |                     |     |      |               |

| Surrogate            | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|----------------------|------------------|------|-------------------|------|------------------------|
| 2-Fluorophenol       | 65               |      | 48                |      | 21-120                 |
| Phenol-d6            | 59               |      | 42                |      | 10-120                 |
| Nitrobenzene-d5      | 105              |      | 75                |      | 23-120                 |
| 2-Fluorobiphenyl     | 65               |      | 43                |      | 15-120                 |
| 2,4,6-Tribromophenol | 68               |      | 45                |      | 10-120                 |
| 4-Terphenyl-d14      | 68               |      | 48                |      | 41-149                 |

# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** 20-286219.1

**Project Number:** 20-286219.1

**Lab Number:** L2029724

**Report Date:** 07/15/20

| <b>Parameter</b>                                                                                                | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>%Recovery<br/>Limits</b> | <b>RPD</b> | <b>Qual</b> | <b>RPD<br/>Limits</b> |
|-----------------------------------------------------------------------------------------------------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 05-08 Batch: WG1392101-2 WG1392101-3 |                          |             |                           |             |                             |            |             |                       |
| Acenaphthene                                                                                                    | 74                       |             | 72                        |             | 40-140                      | 3          |             | 40                    |
| 2-Chloronaphthalene                                                                                             | 88                       |             | 85                        |             | 40-140                      | 3          |             | 40                    |
| Fluoranthene                                                                                                    | 93                       |             | 88                        |             | 40-140                      | 6          |             | 40                    |
| Hexachlorobutadiene                                                                                             | 95                       |             | 94                        |             | 40-140                      | 1          |             | 40                    |
| Naphthalene                                                                                                     | 70                       |             | 69                        |             | 40-140                      | 1          |             | 40                    |
| Benzo(a)anthracene                                                                                              | 79                       |             | 76                        |             | 40-140                      | 4          |             | 40                    |
| Benzo(a)pyrene                                                                                                  | 93                       |             | 90                        |             | 40-140                      | 3          |             | 40                    |
| Benzo(b)fluoranthene                                                                                            | 87                       |             | 80                        |             | 40-140                      | 8          |             | 40                    |
| Benzo(k)fluoranthene                                                                                            | 101                      |             | 98                        |             | 40-140                      | 3          |             | 40                    |
| Chrysene                                                                                                        | 94                       |             | 88                        |             | 40-140                      | 7          |             | 40                    |
| Acenaphthylene                                                                                                  | 97                       |             | 94                        |             | 40-140                      | 3          |             | 40                    |
| Anthracene                                                                                                      | 85                       |             | 82                        |             | 40-140                      | 4          |             | 40                    |
| Benzo(ghi)perylene                                                                                              | 88                       |             | 83                        |             | 40-140                      | 6          |             | 40                    |
| Fluorene                                                                                                        | 81                       |             | 76                        |             | 40-140                      | 6          |             | 40                    |
| Phenanthrene                                                                                                    | 73                       |             | 70                        |             | 40-140                      | 4          |             | 40                    |
| Dibenzo(a,h)anthracene                                                                                          | 92                       |             | 87                        |             | 40-140                      | 6          |             | 40                    |
| Indeno(1,2,3-cd)pyrene                                                                                          | 86                       |             | 83                        |             | 40-140                      | 4          |             | 40                    |
| Pyrene                                                                                                          | 94                       |             | 89                        |             | 40-140                      | 5          |             | 40                    |
| 2-Methylnaphthalene                                                                                             | 79                       |             | 76                        |             | 40-140                      | 4          |             | 40                    |
| Pentachlorophenol                                                                                               | 60                       |             | 78                        |             | 40-140                      | 26         |             | 40                    |
| Hexachlorobenzene                                                                                               | 90                       |             | 82                        |             | 40-140                      | 9          |             | 40                    |
| Hexachloroethane                                                                                                | 73                       |             | 69                        |             | 40-140                      | 6          |             | 40                    |

# **Lab Control Sample Analysis** Batch Quality Control

Project Name: 20-286219.1

Project Number: 20-286219.1

Lab Number: L2029724

Report Date: 07/15/20

| Parameter                                                                                                       | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 05-08 Batch: WG1392101-2 WG1392101-3 |                  |      |                   |      |                     |     |      |               |

| Surrogate            | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|----------------------|------------------|------|-------------------|------|------------------------|
| 2-Fluorophenol       | 45               |      | 46                |      | 21-120                 |
| Phenol-d6            | 45               |      | 45                |      | 10-120                 |
| Nitrobenzene-d5      | 77               |      | 74                |      | 23-120                 |
| 2-Fluorobiphenyl     | 92               |      | 88                |      | 15-120                 |
| 2,4,6-Tribromophenol | 103              |      | 99                |      | 10-120                 |
| 4-Terphenyl-d14      | 113              |      | 110               |      | 41-149                 |

# **Lab Control Sample Analysis** **Batch Quality Control**

Project Name: 20-286219.1

Project Number: 20-286219.1

Lab Number: L2029724

Report Date: 07/15/20

| Parameter                                                                                                   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1392253-2 WG1392253-3 |                  |      |                   |      |                     |     |      |               |
| Acenaphthene                                                                                                | 71               |      | 68                |      | 31-137              | 4   |      | 50            |
| 1,2,4-Trichlorobenzene                                                                                      | 65               |      | 65                |      | 38-107              | 0   |      | 50            |
| Hexachlorobenzene                                                                                           | 73               |      | 65                |      | 40-140              | 12  |      | 50            |
| Bis(2-chloroethyl)ether                                                                                     | 71               |      | 70                |      | 40-140              | 1   |      | 50            |
| 2-Chloronaphthalene                                                                                         | 67               |      | 66                |      | 40-140              | 2   |      | 50            |
| 1,2-Dichlorobenzene                                                                                         | 64               |      | 64                |      | 40-140              | 0   |      | 50            |
| 1,3-Dichlorobenzene                                                                                         | 62               |      | 63                |      | 40-140              | 2   |      | 50            |
| 1,4-Dichlorobenzene                                                                                         | 62               |      | 62                |      | 28-104              | 0   |      | 50            |
| 3,3'-Dichlorobenzidine                                                                                      | 68               |      | 66                |      | 40-140              | 3   |      | 50            |
| 2,4-Dinitrotoluene                                                                                          | 73               |      | 64                |      | 40-132              | 13  |      | 50            |
| 2,6-Dinitrotoluene                                                                                          | 71               |      | 70                |      | 40-140              | 1   |      | 50            |
| Fluoranthene                                                                                                | 72               |      | 67                |      | 40-140              | 7   |      | 50            |
| 4-Chlorophenyl phenyl ether                                                                                 | 66               |      | 62                |      | 40-140              | 6   |      | 50            |
| 4-Bromophenyl phenyl ether                                                                                  | 63               |      | 58                |      | 40-140              | 8   |      | 50            |
| Bis(2-chloroisopropyl)ether                                                                                 | 58               |      | 57                |      | 40-140              | 2   |      | 50            |
| Bis(2-chloroethoxy)methane                                                                                  | 75               |      | 73                |      | 40-117              | 3   |      | 50            |
| Hexachlorobutadiene                                                                                         | 68               |      | 68                |      | 40-140              | 0   |      | 50            |
| Hexachlorocyclopentadiene                                                                                   | 67               |      | 66                |      | 40-140              | 2   |      | 50            |
| Hexachloroethane                                                                                            | 74               |      | 71                |      | 40-140              | 4   |      | 50            |
| Isophorone                                                                                                  | 88               |      | 84                |      | 40-140              | 5   |      | 50            |
| Naphthalene                                                                                                 | 68               |      | 66                |      | 40-140              | 3   |      | 50            |
| Nitrobenzene                                                                                                | 83               |      | 79                |      | 40-140              | 5   |      | 50            |
| NDPA/DPA                                                                                                    | 70               |      | 66                |      | 36-157              | 6   |      | 50            |



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 20-286219.1

Project Number: 20-286219.1

Lab Number: L2029724

Report Date: 07/15/20

| Parameter                                                                                                   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1392253-2 WG1392253-3 |                  |      |                   |      |                     |     |      |               |
| n-Nitrosodi-n-propylamine                                                                                   | 90               |      | 88                |      | 32-121              | 2   |      | 50            |
| Bis(2-ethylhexyl)phthalate                                                                                  | 86               |      | 84                |      | 40-140              | 2   |      | 50            |
| Butyl benzyl phthalate                                                                                      | 83               |      | 78                |      | 40-140              | 6   |      | 50            |
| Di-n-butylphthalate                                                                                         | 79               |      | 77                |      | 40-140              | 3   |      | 50            |
| Di-n-octylphthalate                                                                                         | 89               |      | 85                |      | 40-140              | 5   |      | 50            |
| Diethyl phthalate                                                                                           | 75               |      | 69                |      | 40-140              | 8   |      | 50            |
| Dimethyl phthalate                                                                                          | 73               |      | 68                |      | 40-140              | 7   |      | 50            |
| Benzo(a)anthracene                                                                                          | 66               |      | 63                |      | 40-140              | 5   |      | 50            |
| Benzo(a)pyrene                                                                                              | 65               |      | 66                |      | 40-140              | 2   |      | 50            |
| Benzo(b)fluoranthene                                                                                        | 63               |      | 62                |      | 40-140              | 2   |      | 50            |
| Benzo(k)fluoranthene                                                                                        | 77               |      | 75                |      | 40-140              | 3   |      | 50            |
| Chrysene                                                                                                    | 75               |      | 73                |      | 40-140              | 3   |      | 50            |
| Acenaphthylene                                                                                              | 74               |      | 72                |      | 40-140              | 3   |      | 50            |
| Anthracene                                                                                                  | 68               |      | 67                |      | 40-140              | 1   |      | 50            |
| Benzo(ghi)perylene                                                                                          | 68               |      | 70                |      | 40-140              | 3   |      | 50            |
| Fluorene                                                                                                    | 72               |      | 68                |      | 40-140              | 6   |      | 50            |
| Phenanthrene                                                                                                | 66               |      | 64                |      | 40-140              | 3   |      | 50            |
| Dibenzo(a,h)anthracene                                                                                      | 67               |      | 66                |      | 40-140              | 2   |      | 50            |
| Indeno(1,2,3-cd)pyrene                                                                                      | 66               |      | 65                |      | 40-140              | 2   |      | 50            |
| Pyrene                                                                                                      | 70               |      | 68                |      | 35-142              | 3   |      | 50            |
| Biphenyl                                                                                                    | 67               |      | 64                |      | 37-127              | 5   |      | 50            |
| 4-Chloroaniline                                                                                             | 81               |      | 84                |      | 40-140              | 4   |      | 50            |
| 2-Nitroaniline                                                                                              | 70               |      | 65                |      | 47-134              | 7   |      | 50            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 20-286219.1

Project Number: 20-286219.1

Lab Number: L2029724

Report Date: 07/15/20

| Parameter                                                                                                   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1392253-2 WG1392253-3 |                  |      |                   |      |                     |     |      |               |
| 3-Nitroaniline                                                                                              | 63               |      | 58                |      | 26-129              | 8   |      | 50            |
| 4-Nitroaniline                                                                                              | 58               |      | 50                |      | 41-125              | 15  |      | 50            |
| Dibenzofuran                                                                                                | 68               |      | 65                |      | 40-140              | 5   |      | 50            |
| 2-Methylnaphthalene                                                                                         | 64               |      | 62                |      | 40-140              | 3   |      | 50            |
| 1,2,4,5-Tetrachlorobenzene                                                                                  | 66               |      | 66                |      | 40-117              | 0   |      | 50            |
| Acetophenone                                                                                                | 71               |      | 70                |      | 14-144              | 1   |      | 50            |
| 2,4,6-Trichlorophenol                                                                                       | 71               |      | 65                |      | 30-130              | 9   |      | 50            |
| p-Chloro-m-cresol                                                                                           | 76               |      | 72                |      | 26-103              | 5   |      | 50            |
| 2-Chlorophenol                                                                                              | 71               |      | 69                |      | 25-102              | 3   |      | 50            |
| 2,4-Dichlorophenol                                                                                          | 70               |      | 68                |      | 30-130              | 3   |      | 50            |
| 2,4-Dimethylphenol                                                                                          | 80               |      | 82                |      | 30-130              | 2   |      | 50            |
| 2-Nitrophenol                                                                                               | 69               |      | 66                |      | 30-130              | 4   |      | 50            |
| 4-Nitrophenol                                                                                               | 83               |      | 71                |      | 11-114              | 16  |      | 50            |
| 2,4-Dinitrophenol                                                                                           | 49               |      | 51                |      | 4-130               | 4   |      | 50            |
| 4,6-Dinitro-o-cresol                                                                                        | 61               |      | 54                |      | 10-130              | 12  |      | 50            |
| Pentachlorophenol                                                                                           | 61               |      | 60                |      | 17-109              | 2   |      | 50            |
| Phenol                                                                                                      | 82               |      | 80                |      | 26-90               | 2   |      | 50            |
| 2-Methylphenol                                                                                              | 73               |      | 72                |      | 30-130.             | 1   |      | 50            |
| 3-Methylphenol/4-Methylphenol                                                                               | 80               |      | 79                |      | 30-130              | 1   |      | 50            |
| 2,4,5-Trichlorophenol                                                                                       | 72               |      | 70                |      | 30-130              | 3   |      | 50            |
| Benzoic Acid                                                                                                | 36               |      | 40                |      | 10-110              | 11  |      | 50            |
| Benzyl Alcohol                                                                                              | 85               |      | 84                |      | 40-140              | 1   |      | 50            |
| Carbazole                                                                                                   | 70               |      | 68                |      | 54-128              | 3   |      | 50            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

| Parameter                                                                                                   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1392253-2 WG1392253-3 |                  |      |                   |      |                     |     |      |               |
| 1,4-Dioxane                                                                                                 | 59               |      | 62                |      | 40-140              | 5   |      | 50            |

| Surrogate            | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|----------------------|------------------|------|-------------------|------|------------------------|
| 2-Fluorophenol       | 80               |      | 78                |      | 25-120                 |
| Phenol-d6            | 85               |      | 82                |      | 10-120                 |
| Nitrobenzene-d5      | 84               |      | 85                |      | 23-120                 |
| 2-Fluorobiphenyl     | 69               |      | 67                |      | 30-120                 |
| 2,4,6-Tribromophenol | 82               |      | 75                |      | 10-136                 |
| 4-Terphenyl-d14      | 75               |      | 75                |      | 18-120                 |

# PCBS

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-01

Date Collected: 07/14/20 09:30

Client ID: B-1

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8082A

Extraction Date: 07/15/20 03:50

Analytical Date: 07/15/20 12:32

Cleanup Method: EPA 3665A

Analyst: JM

Cleanup Date: 07/15/20

Percent Solids: 96%

Cleanup Method: EPA 3660B

Cleanup Date: 07/15/20

| Parameter                                         | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |      |      |                 |        |
| Aroclor 1016                                      | ND     |           | ug/kg | 33.6 | 2.98 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/kg | 33.6 | 3.36 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/kg | 33.6 | 7.12 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/kg | 33.6 | 4.52 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/kg | 33.6 | 5.03 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/kg | 33.6 | 3.67 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/kg | 33.6 | 6.20 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/kg | 33.6 | 4.26 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/kg | 33.6 | 3.48 | 1               | A      |
| PCBs, Total                                       | ND     |           | ug/kg | 33.6 | 2.98 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 90         |           | 30-150              | A      |
| Decachlorobiphenyl           | 92         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 99         |           | 30-150              | B      |
| Decachlorobiphenyl           | 91         |           | 30-150              | B      |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-02

Date Collected: 07/14/20 11:00

Client ID: B-2

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8082A

Extraction Date: 07/15/20 03:50

Analytical Date: 07/15/20 12:39

Cleanup Method: EPA 3665A

Analyst: JM

Cleanup Date: 07/15/20

Percent Solids: 97%

Cleanup Method: EPA 3660B

Cleanup Date: 07/15/20

| Parameter                                         | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |      |      |                 |        |
| Aroclor 1016                                      | ND     |           | ug/kg | 32.5 | 2.88 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/kg | 32.5 | 3.26 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/kg | 32.5 | 6.89 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/kg | 32.5 | 4.38 | 1               | A      |
| Aroclor 1248                                      | 6.52   | J         | ug/kg | 32.5 | 4.87 | 1               | B      |
| Aroclor 1254                                      | ND     |           | ug/kg | 32.5 | 3.55 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/kg | 32.5 | 6.00 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/kg | 32.5 | 4.12 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/kg | 32.5 | 3.36 | 1               | A      |
| PCBs, Total                                       | 6.52   | J         | ug/kg | 32.5 | 2.88 | 1               | B      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 72         |           | 30-150              | A      |
| Decachlorobiphenyl           | 65         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 83         |           | 30-150              | B      |
| Decachlorobiphenyl           | 75         |           | 30-150              | B      |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-03

Date Collected: 07/14/20 12:00

Client ID: B-3

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8082A

Extraction Date: 07/15/20 03:50

Analytical Date: 07/15/20 12:46

Cleanup Method: EPA 3665A

Analyst: JM

Cleanup Date: 07/15/20

Percent Solids: 93%

Cleanup Method: EPA 3660B

Cleanup Date: 07/15/20

| Parameter                                         | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |      |      |                 |        |
| Aroclor 1016                                      | ND     |           | ug/kg | 33.9 | 3.01 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/kg | 33.9 | 3.40 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/kg | 33.9 | 7.18 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/kg | 33.9 | 4.57 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/kg | 33.9 | 5.08 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/kg | 33.9 | 3.71 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/kg | 33.9 | 6.26 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/kg | 33.9 | 4.30 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/kg | 33.9 | 3.51 | 1               | A      |
| PCBs, Total                                       | ND     |           | ug/kg | 33.9 | 3.01 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 67         |           | 30-150              | A      |
| Decachlorobiphenyl           | 53         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 76         |           | 30-150              | B      |
| Decachlorobiphenyl           | 60         |           | 30-150              | B      |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-04

Date Collected: 07/14/20 12:55

Client ID: B-4

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8082A

Extraction Date: 07/15/20 03:50

Analytical Date: 07/15/20 12:53

Cleanup Method: EPA 3665A

Analyst: JM

Cleanup Date: 07/15/20

Percent Solids: 98%

Cleanup Method: EPA 3660B

Cleanup Date: 07/15/20

| Parameter                                         | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |      |      |                 |        |
| Aroclor 1016                                      | ND     |           | ug/kg | 33.1 | 2.94 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/kg | 33.1 | 3.32 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/kg | 33.1 | 7.03 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/kg | 33.1 | 4.47 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/kg | 33.1 | 4.97 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/kg | 33.1 | 3.63 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/kg | 33.1 | 6.12 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/kg | 33.1 | 4.21 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/kg | 33.1 | 3.43 | 1               | A      |
| PCBs, Total                                       | ND     |           | ug/kg | 33.1 | 2.94 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 77         |           | 30-150              | A      |
| Decachlorobiphenyl           | 68         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 87         |           | 30-150              | B      |
| Decachlorobiphenyl           | 77         |           | 30-150              | B      |



Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-05

Date Collected: 07/14/20 09:45

Client ID: B-1GW

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 1,8082A

Extraction Date: 07/15/20 04:39

Analytical Date: 07/15/20 15:49

Cleanup Method: EPA 3665A

Analyst: JAW

Cleanup Date: 07/15/20

Cleanup Method: EPA 3660B

Cleanup Date: 07/15/20

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Aroclor 1016                                      | ND     |           | ug/l  | 0.083 | 0.034 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/l  | 0.083 | 0.067 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/l  | 0.083 | 0.046 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/l  | 0.083 | 0.039 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/l  | 0.083 | 0.049 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/l  | 0.083 | 0.039 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/l  | 0.083 | 0.032 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/l  | 0.083 | 0.035 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/l  | 0.083 | 0.034 | 1               | A      |
| PCBs, Total                                       | ND     |           | ug/l  | 0.083 | 0.032 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 86         |           | 30-150              | A      |
| Decachlorobiphenyl           | 71         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 83         |           | 30-150              | B      |
| Decachlorobiphenyl           | 69         |           | 30-150              | B      |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-06

Date Collected: 07/14/20 11:15

Client ID: B-2GW

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 1,8082A

Extraction Date: 07/15/20 04:39

Analytical Date: 07/15/20 15:57

Cleanup Method: EPA 3665A

Analyst: JAW

Cleanup Date: 07/15/20

Cleanup Method: EPA 3660B

Cleanup Date: 07/15/20

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Aroclor 1016                                      | ND     |           | ug/l  | 0.083 | 0.034 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/l  | 0.083 | 0.067 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/l  | 0.083 | 0.046 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/l  | 0.083 | 0.039 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/l  | 0.083 | 0.049 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/l  | 0.083 | 0.039 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/l  | 0.083 | 0.032 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/l  | 0.083 | 0.035 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/l  | 0.083 | 0.034 | 1               | A      |
| PCBs, Total                                       | ND     |           | ug/l  | 0.083 | 0.032 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 69         |           | 30-150              | A      |
| Decachlorobiphenyl           | 57         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 67         |           | 30-150              | B      |
| Decachlorobiphenyl           | 58         |           | 30-150              | B      |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-07

Date Collected: 07/14/20 12:10

Client ID: B-3GW

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 1,8082A

Extraction Date: 07/15/20 04:39

Analytical Date: 07/15/20 16:04

Cleanup Method: EPA 3665A

Analyst: JAW

Cleanup Date: 07/15/20

Cleanup Method: EPA 3660B

Cleanup Date: 07/15/20

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Aroclor 1016                                      | ND     |           | ug/l  | 0.083 | 0.034 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/l  | 0.083 | 0.067 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/l  | 0.083 | 0.046 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/l  | 0.083 | 0.039 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/l  | 0.083 | 0.049 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/l  | 0.083 | 0.039 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/l  | 0.083 | 0.032 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/l  | 0.083 | 0.035 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/l  | 0.083 | 0.034 | 1               | A      |
| PCBs, Total                                       | ND     |           | ug/l  | 0.083 | 0.032 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 81         |           | 30-150              | A      |
| Decachlorobiphenyl           | 69         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 78         |           | 30-150              | B      |
| Decachlorobiphenyl           | 67         |           | 30-150              | B      |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-08

Date Collected: 07/14/20 13:15

Client ID: B-4GW

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 1,8082A

Extraction Date: 07/15/20 04:39

Analytical Date: 07/15/20 16:12

Cleanup Method: EPA 3665A

Analyst: JAW

Cleanup Date: 07/15/20

Cleanup Method: EPA 3660B

Cleanup Date: 07/15/20

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Aroclor 1016                                      | ND     |           | ug/l  | 0.083 | 0.034 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/l  | 0.083 | 0.067 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/l  | 0.083 | 0.046 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/l  | 0.083 | 0.039 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/l  | 0.083 | 0.049 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/l  | 0.083 | 0.039 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/l  | 0.083 | 0.032 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/l  | 0.083 | 0.035 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/l  | 0.083 | 0.034 | 1               | A      |
| PCBs, Total                                       | ND     |           | ug/l  | 0.083 | 0.032 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 75         |           | 30-150              | A      |
| Decachlorobiphenyl           | 64         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 72         |           | 30-150              | B      |
| Decachlorobiphenyl           | 57         |           | 30-150              | B      |

Project Name: 20-286219.1

Project Number: 20-286219.1

Lab Number: L2029724

Report Date: 07/15/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A  
 Analytical Date: 07/15/20 12:12  
 Analyst: JM

Extraction Method: EPA 3546  
 Extraction Date: 07/15/20 03:50  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 07/15/20  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 07/15/20

| Parameter                                                                                 | Result | Qualifier | Units | RL   | MDL  | Column |
|-------------------------------------------------------------------------------------------|--------|-----------|-------|------|------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-04 Batch: WG1392254-1 |        |           |       |      |      |        |
| Aroclor 1016                                                                              | ND     |           | ug/kg | 31.7 | 2.82 | A      |
| Aroclor 1221                                                                              | ND     |           | ug/kg | 31.7 | 3.18 | A      |
| Aroclor 1232                                                                              | ND     |           | ug/kg | 31.7 | 6.73 | A      |
| Aroclor 1242                                                                              | ND     |           | ug/kg | 31.7 | 4.28 | A      |
| Aroclor 1248                                                                              | ND     |           | ug/kg | 31.7 | 4.76 | A      |
| Aroclor 1254                                                                              | ND     |           | ug/kg | 31.7 | 3.47 | A      |
| Aroclor 1260                                                                              | ND     |           | ug/kg | 31.7 | 5.87 | A      |
| Aroclor 1262                                                                              | ND     |           | ug/kg | 31.7 | 4.03 | A      |
| Aroclor 1268                                                                              | ND     |           | ug/kg | 31.7 | 3.29 | A      |
| PCBs, Total                                                                               | ND     |           | ug/kg | 31.7 | 2.82 | A      |

| Surrogate                    | %Recovery | Qualifier | Acceptance<br>Criteria | Column |
|------------------------------|-----------|-----------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 98        |           | 30-150                 | A      |
| Decachlorobiphenyl           | 85        |           | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 114       |           | 30-150                 | B      |
| Decachlorobiphenyl           | 98        |           | 30-150                 | B      |

Project Name: 20-286219.1

Project Number: 20-286219.1

Lab Number: L2029724

Report Date: 07/15/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A  
 Analytical Date: 07/15/20 15:27  
 Analyst: JAW

Extraction Method: EPA 3510C  
 Extraction Date: 07/15/20 04:39  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 07/15/20  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 07/15/20

| Parameter                                                                                 | Result | Qualifier | Units | RL    | MDL   | Column |
|-------------------------------------------------------------------------------------------|--------|-----------|-------|-------|-------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 05-08 Batch: WG1392276-1 |        |           |       |       |       |        |
| Aroclor 1016                                                                              | ND     |           | ug/l  | 0.083 | 0.034 | A      |
| Aroclor 1221                                                                              | ND     |           | ug/l  | 0.083 | 0.067 | A      |
| Aroclor 1232                                                                              | ND     |           | ug/l  | 0.083 | 0.046 | A      |
| Aroclor 1242                                                                              | ND     |           | ug/l  | 0.083 | 0.039 | A      |
| Aroclor 1248                                                                              | ND     |           | ug/l  | 0.083 | 0.049 | A      |
| Aroclor 1254                                                                              | ND     |           | ug/l  | 0.083 | 0.039 | A      |
| Aroclor 1260                                                                              | ND     |           | ug/l  | 0.083 | 0.032 | A      |
| Aroclor 1262                                                                              | ND     |           | ug/l  | 0.083 | 0.035 | A      |
| Aroclor 1268                                                                              | ND     |           | ug/l  | 0.083 | 0.034 | A      |
| PCBs, Total                                                                               | ND     |           | ug/l  | 0.083 | 0.032 | A      |

| Surrogate                    | %Recovery | Qualifier | Acceptance<br>Criteria | Column |
|------------------------------|-----------|-----------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 83        |           | 30-150                 | A      |
| Decachlorobiphenyl           | 80        |           | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 78        |           | 30-150                 | B      |
| Decachlorobiphenyl           | 76        |           | 30-150                 | B      |

# **Lab Control Sample Analysis** Batch Quality Control

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

| Parameter                                                                                                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|--------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG1392254-2 WG1392254-3 |                  |      |                   |      |                     |     |      |               |        |
| Aroclor 1016                                                                                                 | 99               |      | 102               |      | 40-140              | 3   |      | 50            | A      |
| Aroclor 1260                                                                                                 | 86               |      | 85                |      | 40-140              | 1   |      | 50            | A      |

| Surrogate                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria | Column |
|------------------------------|------------------|------|-------------------|------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 96               |      | 94                |      | 30-150                 | A      |
| Decachlorobiphenyl           | 80               |      | 81                |      | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 110              |      | 108               |      | 30-150                 | B      |
| Decachlorobiphenyl           | 94               |      | 94                |      | 30-150                 | B      |

# **Lab Control Sample Analysis** Batch Quality Control

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

| Parameter                                                                                                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|--------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 05-08 Batch: WG1392276-2 WG1392276-3 |                  |      |                   |      |                     |     |      |               |        |
| Aroclor 1016                                                                                                 | 84               |      | 90                |      | 40-140              | 6   |      | 50            | A      |
| Aroclor 1260                                                                                                 | 85               |      | 87                |      | 40-140              | 2   |      | 50            | A      |

| Surrogate                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria | Column |
|------------------------------|------------------|------|-------------------|------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 85               |      | 93                |      | 30-150                 | A      |
| Decachlorobiphenyl           | 83               |      | 90                |      | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 79               |      | 86                |      | 30-150                 | B      |
| Decachlorobiphenyl           | 81               |      | 87                |      | 30-150                 | B      |



# PESTICIDES

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-01

Date Collected: 07/14/20 09:30

Client ID: B-1

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8081B

Extraction Date: 07/15/20 03:51

Analytical Date: 07/15/20 11:39

Cleanup Method: EPA 3620B

Analyst: SM

Cleanup Date: 07/15/20

Percent Solids: 96%

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/kg | 1.63  | 0.319 | 1               | A      |
| Lindane                                           | ND     |           | ug/kg | 0.680 | 0.304 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/kg | 0.680 | 0.193 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/kg | 1.63  | 0.618 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/kg | 0.816 | 0.366 | 1               | A      |
| Aldrin                                            | ND     |           | ug/kg | 1.63  | 0.574 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/kg | 3.06  | 0.917 | 1               | A      |
| Endrin                                            | ND     |           | ug/kg | 0.680 | 0.279 | 1               | A      |
| Endrin aldehyde                                   | ND     |           | ug/kg | 2.04  | 0.714 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/kg | 1.63  | 0.420 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/kg | 1.02  | 0.510 | 1               | A      |
| 4,4'-DDE                                          | ND     |           | ug/kg | 1.63  | 0.377 | 1               | A      |
| 4,4'-DDD                                          | ND     |           | ug/kg | 1.63  | 0.582 | 1               | A      |
| 4,4'-DDT                                          | ND     |           | ug/kg | 3.06  | 1.31  | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/kg | 1.63  | 0.385 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/kg | 1.63  | 0.545 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/kg | 0.680 | 0.323 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/kg | 3.06  | 0.951 | 1               | A      |
| Toxaphene                                         | ND     |           | ug/kg | 30.6  | 8.56  | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/kg | 2.04  | 0.568 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/kg | 2.04  | 0.538 | 1               | A      |
| Chlordane                                         | ND     |           | ug/kg | 13.6  | 5.40  | 1               | A      |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

**SAMPLE RESULTS**

Lab ID: L2029724-01

Date Collected: 07/14/20 09:30

Client ID: B-1

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

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

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 114        |           | 30-150              | A      |
| Decachlorobiphenyl           | 125        |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 148        |           | 30-150              | B      |
| Decachlorobiphenyl           | 154        | Q         | 30-150              | B      |

Project Name: 20-286219.1

Project Number: 20-286219.1

Lab Number: L2029724

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-02

Client ID: B-2

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Date Collected: 07/14/20 11:00

Date Received: 07/14/20

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8081B

Analytical Date: 07/15/20 11:48

Analyst: SM

Percent Solids: 97%

Extraction Method: EPA 3546

Extraction Date: 07/15/20 03:51

Cleanup Method: EPA 3620B

Cleanup Date: 07/15/20

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/kg | 1.57  | 0.307 | 1               | A      |
| Lindane                                           | ND     |           | ug/kg | 0.653 | 0.292 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/kg | 0.653 | 0.186 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/kg | 1.57  | 0.595 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/kg | 0.784 | 0.352 | 1               | A      |
| Aldrin                                            | ND     |           | ug/kg | 1.57  | 0.552 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/kg | 2.94  | 0.882 | 1               | A      |
| Endrin                                            | ND     |           | ug/kg | 0.653 | 0.268 | 1               | A      |
| Endrin aldehyde                                   | ND     |           | ug/kg | 1.96  | 0.686 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/kg | 1.57  | 0.404 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/kg | 0.980 | 0.490 | 1               | A      |
| 4,4'-DDE                                          | ND     |           | ug/kg | 1.57  | 0.363 | 1               | A      |
| 4,4'-DDD                                          | ND     |           | ug/kg | 1.57  | 0.559 | 1               | A      |
| 4,4'-DDT                                          | ND     |           | ug/kg | 2.94  | 1.26  | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/kg | 1.57  | 0.370 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/kg | 1.57  | 0.524 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/kg | 0.653 | 0.311 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/kg | 2.94  | 0.915 | 1               | A      |
| Toxaphene                                         | ND     |           | ug/kg | 29.4  | 8.23  | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/kg | 1.96  | 0.546 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/kg | 1.96  | 0.518 | 1               | A      |
| Chlordane                                         | ND     |           | ug/kg | 13.1  | 5.19  | 1               | A      |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

**SAMPLE RESULTS**

Lab ID: L2029724-02

Date Collected: 07/14/20 11:00

Client ID: B-2

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

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

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 82         |           | 30-150              | A      |
| Decachlorobiphenyl           | 96         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 91         |           | 30-150              | B      |
| Decachlorobiphenyl           | 136        |           | 30-150              | B      |

Project Name: 20-286219.1

Project Number: 20-286219.1

Lab Number: L2029724

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-03

Client ID: B-3

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Date Collected: 07/14/20 12:00

Date Received: 07/14/20

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8081B

Analytical Date: 07/15/20 11:57

Analyst: SM

Percent Solids: 93%

Extraction Method: EPA 3546

Extraction Date: 07/15/20 03:51

Cleanup Method: EPA 3620B

Cleanup Date: 07/15/20

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/kg | 1.69  | 0.331 | 1               | A      |
| Lindane                                           | ND     |           | ug/kg | 0.705 | 0.315 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/kg | 0.705 | 0.200 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/kg | 1.69  | 0.642 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/kg | 0.846 | 0.379 | 1               | A      |
| Aldrin                                            | ND     |           | ug/kg | 1.69  | 0.596 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/kg | 3.17  | 0.952 | 1               | A      |
| Endrin                                            | ND     |           | ug/kg | 0.705 | 0.289 | 1               | A      |
| Endrin aldehyde                                   | ND     |           | ug/kg | 2.12  | 0.740 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/kg | 1.69  | 0.436 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/kg | 1.06  | 0.529 | 1               | A      |
| 4,4'-DDE                                          | ND     |           | ug/kg | 1.69  | 0.391 | 1               | A      |
| 4,4'-DDD                                          | ND     |           | ug/kg | 1.69  | 0.604 | 1               | A      |
| 4,4'-DDT                                          | ND     |           | ug/kg | 3.17  | 1.36  | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/kg | 1.69  | 0.400 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/kg | 1.69  | 0.566 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/kg | 0.705 | 0.336 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/kg | 3.17  | 0.987 | 1               | A      |
| Toxaphene                                         | ND     |           | ug/kg | 31.7  | 8.89  | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/kg | 2.12  | 0.590 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/kg | 2.12  | 0.558 | 1               | A      |
| Chlordane                                         | ND     |           | ug/kg | 14.1  | 5.61  | 1               | A      |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

**SAMPLE RESULTS**

Lab ID: L2029724-03

Date Collected: 07/14/20 12:00

Client ID: B-3

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

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

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 92         |           | 30-150              | A      |
| Decachlorobiphenyl           | 127        |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 96         |           | 30-150              | B      |
| Decachlorobiphenyl           | 163        | Q         | 30-150              | B      |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-04

Date Collected: 07/14/20 12:55

Client ID: B-4

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8081B

Extraction Date: 07/15/20 03:51

Analytical Date: 07/15/20 12:06

Cleanup Method: EPA 3620B

Analyst: SM

Cleanup Date: 07/15/20

Percent Solids: 98%

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/kg | 1.58  | 0.308 | 1               | A      |
| Lindane                                           | ND     |           | ug/kg | 0.656 | 0.293 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/kg | 0.656 | 0.186 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/kg | 1.58  | 0.597 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/kg | 0.788 | 0.353 | 1               | A      |
| Aldrin                                            | ND     |           | ug/kg | 1.58  | 0.555 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/kg | 2.95  | 0.886 | 1               | A      |
| Endrin                                            | ND     |           | ug/kg | 0.656 | 0.269 | 1               | A      |
| Endrin aldehyde                                   | ND     |           | ug/kg | 1.97  | 0.689 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/kg | 1.58  | 0.406 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/kg | 0.985 | 0.492 | 1               | A      |
| 4,4'-DDE                                          | ND     |           | ug/kg | 1.58  | 0.364 | 1               | A      |
| 4,4'-DDD                                          | ND     |           | ug/kg | 1.58  | 0.562 | 1               | A      |
| 4,4'-DDT                                          | ND     |           | ug/kg | 2.95  | 1.27  | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/kg | 1.58  | 0.372 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/kg | 1.58  | 0.526 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/kg | 0.656 | 0.312 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/kg | 2.95  | 0.919 | 1               | A      |
| Toxaphene                                         | ND     |           | ug/kg | 29.5  | 8.27  | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/kg | 1.97  | 0.549 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/kg | 1.97  | 0.520 | 1               | A      |
| Chlordane                                         | ND     |           | ug/kg | 13.1  | 5.22  | 1               | A      |



Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

**SAMPLE RESULTS**

Lab ID: L2029724-04

Date Collected: 07/14/20 12:55

Client ID: B-4

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

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

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 87         |           | 30-150              | A      |
| Decachlorobiphenyl           | 119        |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 91         |           | 30-150              | B      |
| Decachlorobiphenyl           | 159        | Q         | 30-150              | B      |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-05

Date Collected: 07/14/20 09:45

Client ID: B-1GW

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 1,8081B

Extraction Date: 07/15/20 03:56

Analytical Date: 07/15/20 08:52

Analyst: SM

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/l  | 0.014 | 0.003 | 1               | A      |
| Lindane                                           | ND     |           | ug/l  | 0.014 | 0.003 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/l  | 0.014 | 0.003 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/l  | 0.014 | 0.004 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/l  | 0.014 | 0.002 | 1               | A      |
| Aldrin                                            | ND     |           | ug/l  | 0.014 | 0.002 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/l  | 0.014 | 0.003 | 1               | A      |
| Endrin                                            | ND     |           | ug/l  | 0.029 | 0.003 | 1               | A      |
| Endrin aldehyde                                   | ND     |           | ug/l  | 0.029 | 0.006 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/l  | 0.029 | 0.003 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/l  | 0.029 | 0.003 | 1               | A      |
| 4,4'-DDE                                          | ND     |           | ug/l  | 0.029 | 0.003 | 1               | A      |
| 4,4'-DDD                                          | ND     |           | ug/l  | 0.029 | 0.003 | 1               | A      |
| 4,4'-DDT                                          | ND     |           | ug/l  | 0.029 | 0.003 | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/l  | 0.014 | 0.002 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/l  | 0.029 | 0.004 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/l  | 0.029 | 0.003 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/l  | 0.143 | 0.005 | 1               | A      |
| Toxaphene                                         | ND     |           | ug/l  | 0.143 | 0.045 | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/l  | 0.014 | 0.005 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/l  | 0.014 | 0.004 | 1               | A      |
| Chlordane                                         | ND     |           | ug/l  | 0.143 | 0.033 | 1               | A      |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-05

Date Collected: 07/14/20 09:45

Client ID: B-1GW

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

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

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 79         |           | 30-150              | A      |
| Decachlorobiphenyl           | 77         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 94         |           | 30-150              | B      |
| Decachlorobiphenyl           | 123        |           | 30-150              | B      |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-06

Date Collected: 07/14/20 11:15

Client ID: B-2GW

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 1,8081B

Extraction Date: 07/15/20 03:56

Analytical Date: 07/15/20 09:01

Analyst: SM

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/l  | 0.014 | 0.003 | 1               | A      |
| Lindane                                           | ND     |           | ug/l  | 0.014 | 0.003 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/l  | 0.014 | 0.003 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/l  | 0.014 | 0.004 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/l  | 0.014 | 0.002 | 1               | A      |
| Aldrin                                            | ND     |           | ug/l  | 0.014 | 0.002 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/l  | 0.014 | 0.003 | 1               | A      |
| Endrin                                            | ND     |           | ug/l  | 0.029 | 0.003 | 1               | A      |
| Endrin aldehyde                                   | ND     |           | ug/l  | 0.029 | 0.006 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/l  | 0.029 | 0.003 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/l  | 0.029 | 0.003 | 1               | A      |
| 4,4'-DDE                                          | ND     |           | ug/l  | 0.029 | 0.003 | 1               | A      |
| 4,4'-DDD                                          | ND     |           | ug/l  | 0.029 | 0.003 | 1               | A      |
| 4,4'-DDT                                          | ND     |           | ug/l  | 0.029 | 0.003 | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/l  | 0.014 | 0.002 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/l  | 0.029 | 0.004 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/l  | 0.029 | 0.003 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/l  | 0.143 | 0.005 | 1               | A      |
| Toxaphene                                         | ND     |           | ug/l  | 0.143 | 0.045 | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/l  | 0.014 | 0.005 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/l  | 0.014 | 0.004 | 1               | A      |
| Chlordane                                         | ND     |           | ug/l  | 0.143 | 0.033 | 1               | A      |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-06

Date Collected: 07/14/20 11:15

Client ID: B-2GW

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

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

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 88         |           | 30-150              | A      |
| Decachlorobiphenyl           | 76         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 92         |           | 30-150              | B      |
| Decachlorobiphenyl           | 121        |           | 30-150              | B      |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-07

Date Collected: 07/14/20 12:10

Client ID: B-3GW

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 1,8081B

Extraction Date: 07/15/20 03:56

Analytical Date: 07/15/20 09:10

Analyst: SM

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/l  | 0.014 | 0.003 | 1               | A      |
| Lindane                                           | ND     |           | ug/l  | 0.014 | 0.003 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/l  | 0.014 | 0.003 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/l  | 0.014 | 0.004 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/l  | 0.014 | 0.002 | 1               | A      |
| Aldrin                                            | ND     |           | ug/l  | 0.014 | 0.002 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/l  | 0.014 | 0.003 | 1               | A      |
| Endrin                                            | ND     |           | ug/l  | 0.029 | 0.003 | 1               | A      |
| Endrin aldehyde                                   | ND     |           | ug/l  | 0.029 | 0.006 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/l  | 0.029 | 0.003 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/l  | 0.029 | 0.003 | 1               | A      |
| 4,4'-DDE                                          | ND     |           | ug/l  | 0.029 | 0.003 | 1               | A      |
| 4,4'-DDD                                          | ND     |           | ug/l  | 0.029 | 0.003 | 1               | A      |
| 4,4'-DDT                                          | ND     |           | ug/l  | 0.029 | 0.003 | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/l  | 0.014 | 0.002 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/l  | 0.029 | 0.004 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/l  | 0.029 | 0.003 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/l  | 0.143 | 0.005 | 1               | A      |
| Toxaphene                                         | ND     |           | ug/l  | 0.143 | 0.045 | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/l  | 0.014 | 0.005 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/l  | 0.014 | 0.004 | 1               | A      |
| Chlordane                                         | ND     |           | ug/l  | 0.143 | 0.033 | 1               | A      |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-07

Date Collected: 07/14/20 12:10

Client ID: B-3GW

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

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

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 83         |           | 30-150              | A      |
| Decachlorobiphenyl           | 79         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 94         |           | 30-150              | B      |
| Decachlorobiphenyl           | 117        |           | 30-150              | B      |

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-08

Date Collected: 07/14/20 13:15

Client ID: B-4GW

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 1,8081B

Extraction Date: 07/15/20 03:56

Analytical Date: 07/15/20 09:19

Analyst: SM

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/l  | 0.014 | 0.003 | 1               | A      |
| Lindane                                           | ND     |           | ug/l  | 0.014 | 0.003 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/l  | 0.014 | 0.003 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/l  | 0.014 | 0.004 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/l  | 0.014 | 0.002 | 1               | A      |
| Aldrin                                            | ND     |           | ug/l  | 0.014 | 0.002 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/l  | 0.014 | 0.003 | 1               | A      |
| Endrin                                            | ND     |           | ug/l  | 0.029 | 0.003 | 1               | A      |
| Endrin aldehyde                                   | ND     |           | ug/l  | 0.029 | 0.006 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/l  | 0.029 | 0.003 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/l  | 0.029 | 0.003 | 1               | A      |
| 4,4'-DDE                                          | ND     |           | ug/l  | 0.029 | 0.003 | 1               | A      |
| 4,4'-DDD                                          | ND     |           | ug/l  | 0.029 | 0.003 | 1               | A      |
| 4,4'-DDT                                          | ND     |           | ug/l  | 0.029 | 0.003 | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/l  | 0.014 | 0.002 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/l  | 0.029 | 0.004 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/l  | 0.029 | 0.003 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/l  | 0.143 | 0.005 | 1               | A      |
| Toxaphene                                         | ND     |           | ug/l  | 0.143 | 0.045 | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/l  | 0.014 | 0.005 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/l  | 0.014 | 0.004 | 1               | A      |
| Chlordane                                         | ND     |           | ug/l  | 0.143 | 0.033 | 1               | A      |



Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

**SAMPLE RESULTS**

Lab ID: L2029724-08

Date Collected: 07/14/20 13:15

Client ID: B-4GW

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

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

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 87         |           | 30-150              | A      |
| Decachlorobiphenyl           | 84         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 86         |           | 30-150              | B      |
| Decachlorobiphenyl           | 110        |           | 30-150              | B      |

Project Name: 20-286219.1

Project Number: 20-286219.1

Lab Number: L2029724

Report Date: 07/15/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B  
 Analytical Date: 07/15/20 08:24  
 Analyst: SM

Extraction Method: EPA 3510C  
 Extraction Date: 07/14/20 18:44

| Parameter                                                                                 | Result | Qualifier | Units | RL    | MDL   | Column |
|-------------------------------------------------------------------------------------------|--------|-----------|-------|-------|-------|--------|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 05-08 Batch: WG1392141-1 |        |           |       |       |       |        |
| Delta-BHC                                                                                 | ND     |           | ug/l  | 0.014 | 0.003 | A      |
| Lindane                                                                                   | ND     |           | ug/l  | 0.014 | 0.003 | A      |
| Alpha-BHC                                                                                 | ND     |           | ug/l  | 0.014 | 0.003 | A      |
| Beta-BHC                                                                                  | ND     |           | ug/l  | 0.014 | 0.004 | A      |
| Heptachlor                                                                                | ND     |           | ug/l  | 0.014 | 0.002 | A      |
| Aldrin                                                                                    | ND     |           | ug/l  | 0.014 | 0.002 | A      |
| Heptachlor epoxide                                                                        | ND     |           | ug/l  | 0.014 | 0.003 | A      |
| Endrin                                                                                    | ND     |           | ug/l  | 0.029 | 0.003 | A      |
| Endrin aldehyde                                                                           | ND     |           | ug/l  | 0.029 | 0.006 | A      |
| Endrin ketone                                                                             | ND     |           | ug/l  | 0.029 | 0.003 | A      |
| Dieldrin                                                                                  | ND     |           | ug/l  | 0.029 | 0.003 | A      |
| 4,4'-DDE                                                                                  | ND     |           | ug/l  | 0.029 | 0.003 | A      |
| 4,4'-DDD                                                                                  | ND     |           | ug/l  | 0.029 | 0.003 | A      |
| 4,4'-DDT                                                                                  | ND     |           | ug/l  | 0.029 | 0.003 | A      |
| Endosulfan I                                                                              | ND     |           | ug/l  | 0.014 | 0.002 | A      |
| Endosulfan II                                                                             | ND     |           | ug/l  | 0.029 | 0.004 | A      |
| Endosulfan sulfate                                                                        | ND     |           | ug/l  | 0.029 | 0.003 | A      |
| Methoxychlor                                                                              | ND     |           | ug/l  | 0.143 | 0.005 | A      |
| Toxaphene                                                                                 | ND     |           | ug/l  | 0.143 | 0.045 | A      |
| cis-Chlordane                                                                             | ND     |           | ug/l  | 0.014 | 0.005 | A      |
| trans-Chlordane                                                                           | ND     |           | ug/l  | 0.014 | 0.004 | A      |
| Chlordane                                                                                 | ND     |           | ug/l  | 0.143 | 0.033 | A      |

Project Name: 20-286219.1

Project Number: 20-286219.1

Lab Number: L2029724

Report Date: 07/15/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B  
 Analytical Date: 07/15/20 08:24  
 Analyst: SM

Extraction Method: EPA 3510C  
 Extraction Date: 07/14/20 18:44

| Parameter                                                                                 | Result | Qualifier | Units | RL | MDL | Column |
|-------------------------------------------------------------------------------------------|--------|-----------|-------|----|-----|--------|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 05-08 Batch: WG1392141-1 |        |           |       |    |     |        |

| Surrogate                    | %Recovery | Qualifier | Acceptance<br>Criteria | Column |
|------------------------------|-----------|-----------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 81        |           | 30-150                 | A      |
| Decachlorobiphenyl           | 106       |           | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 80        |           | 30-150                 | B      |
| Decachlorobiphenyl           | 141       |           | 30-150                 | B      |

Project Name: 20-286219.1

Project Number: 20-286219.1

Lab Number: L2029724

Report Date: 07/15/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B  
 Analytical Date: 07/15/20 11:11  
 Analyst: SM

Extraction Method: EPA 3546  
 Extraction Date: 07/15/20 03:51  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 07/15/20

| Parameter                                                                                 | Result | Qualifier | Units | RL    | MDL   | Column |
|-------------------------------------------------------------------------------------------|--------|-----------|-------|-------|-------|--------|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-04 Batch: WG1392256-1 |        |           |       |       |       |        |
| Delta-BHC                                                                                 | ND     |           | ug/kg | 1.55  | 0.303 | A      |
| Lindane                                                                                   | ND     |           | ug/kg | 0.645 | 0.288 | A      |
| Alpha-BHC                                                                                 | ND     |           | ug/kg | 0.645 | 0.183 | A      |
| Beta-BHC                                                                                  | ND     |           | ug/kg | 1.55  | 0.587 | A      |
| Heptachlor                                                                                | ND     |           | ug/kg | 0.774 | 0.347 | A      |
| Aldrin                                                                                    | ND     |           | ug/kg | 1.55  | 0.545 | A      |
| Heptachlor epoxide                                                                        | ND     |           | ug/kg | 2.90  | 0.871 | A      |
| Endrin                                                                                    | ND     |           | ug/kg | 0.645 | 0.264 | A      |
| Endrin aldehyde                                                                           | ND     |           | ug/kg | 1.94  | 0.677 | A      |
| Endrin ketone                                                                             | ND     |           | ug/kg | 1.55  | 0.399 | A      |
| Dieldrin                                                                                  | ND     |           | ug/kg | 0.968 | 0.484 | A      |
| 4,4'-DDE                                                                                  | ND     |           | ug/kg | 1.55  | 0.358 | A      |
| 4,4'-DDD                                                                                  | ND     |           | ug/kg | 1.55  | 0.552 | A      |
| 4,4'-DDT                                                                                  | ND     |           | ug/kg | 2.90  | 1.24  | A      |
| Endosulfan I                                                                              | ND     |           | ug/kg | 1.55  | 0.366 | A      |
| Endosulfan II                                                                             | ND     |           | ug/kg | 1.55  | 0.517 | A      |
| Endosulfan sulfate                                                                        | ND     |           | ug/kg | 0.645 | 0.307 | A      |
| Methoxychlor                                                                              | ND     |           | ug/kg | 2.90  | 0.903 | A      |
| Toxaphene                                                                                 | ND     |           | ug/kg | 29.0  | 8.13  | A      |
| cis-Chlordane                                                                             | ND     |           | ug/kg | 1.94  | 0.539 | A      |
| trans-Chlordane                                                                           | ND     |           | ug/kg | 1.94  | 0.511 | A      |
| Chlordane                                                                                 | ND     |           | ug/kg | 12.9  | 5.13  | A      |

Project Name: 20-286219.1

Project Number: 20-286219.1

Lab Number: L2029724

Report Date: 07/15/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B  
 Analytical Date: 07/15/20 11:11  
 Analyst: SM

Extraction Method: EPA 3546  
 Extraction Date: 07/15/20 03:51  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 07/15/20

| Parameter                                                                                 | Result | Qualifier | Units | RL | MDL | Column |
|-------------------------------------------------------------------------------------------|--------|-----------|-------|----|-----|--------|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-04 Batch: WG1392256-1 |        |           |       |    |     |        |

| Surrogate                    | %Recovery  | Qualifier | Acceptance<br>Criteria | Column |
|------------------------------|------------|-----------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 93         |           | 30-150                 | A      |
| Decachlorobiphenyl           | 132        |           | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 98         |           | 30-150                 | B      |
| Decachlorobiphenyl           | <b>193</b> | Q         | 30-150                 | B      |

# **Lab Control Sample Analysis** Batch Quality Control

Project Name: 20-286219.1

Project Number: 20-286219.1

Lab Number: L2029724

Report Date: 07/15/20

| Parameter                                                                                                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|--------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 05-08 Batch: WG1392141-2 WG1392141-3 |                  |      |                   |      |                     |     |      |               |        |
| Delta-BHC                                                                                                    | 61               |      | 57                |      | 30-150              | 8   |      | 20            | A      |
| Lindane                                                                                                      | 90               |      | 83                |      | 30-150              | 8   |      | 20            | A      |
| Alpha-BHC                                                                                                    | 94               |      | 87                |      | 30-150              | 8   |      | 20            | A      |
| Beta-BHC                                                                                                     | 96               |      | 85                |      | 30-150              | 13  |      | 20            | A      |
| Heptachlor                                                                                                   | 99               |      | 87                |      | 30-150              | 12  |      | 20            | A      |
| Aldrin                                                                                                       | 97               |      | 87                |      | 30-150              | 11  |      | 20            | A      |
| Heptachlor epoxide                                                                                           | 99               |      | 89                |      | 30-150              | 10  |      | 20            | A      |
| Endrin                                                                                                       | 104              |      | 94                |      | 30-150              | 10  |      | 20            | A      |
| Endrin aldehyde                                                                                              | 95               |      | 85                |      | 30-150              | 12  |      | 20            | A      |
| Endrin ketone                                                                                                | 113              |      | 102               |      | 30-150              | 10  |      | 20            | A      |
| Dieldrin                                                                                                     | 108              |      | 99                |      | 30-150              | 9   |      | 20            | A      |
| 4,4'-DDE                                                                                                     | 103              |      | 93                |      | 30-150              | 10  |      | 20            | A      |
| 4,4'-DDD                                                                                                     | 112              |      | 101               |      | 30-150              | 10  |      | 20            | A      |
| 4,4'-DDT                                                                                                     | 116              |      | 103               |      | 30-150              | 12  |      | 20            | A      |
| Endosulfan I                                                                                                 | 102              |      | 91                |      | 30-150              | 11  |      | 20            | A      |
| Endosulfan II                                                                                                | 104              |      | 95                |      | 30-150              | 9   |      | 20            | A      |
| Endosulfan sulfate                                                                                           | 101              |      | 92                |      | 30-150              | 10  |      | 20            | A      |
| Methoxychlor                                                                                                 | 114              |      | 100               |      | 30-150              | 13  |      | 20            | A      |
| cis-Chlordane                                                                                                | 97               |      | 87                |      | 30-150              | 11  |      | 20            | A      |
| trans-Chlordane                                                                                              | 96               |      | 86                |      | 30-150              | 11  |      | 20            | A      |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 20-286219.1

Project Number: 20-286219.1

Lab Number: L2029724

Report Date: 07/15/20

| Parameter                                                                                                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 05-08 Batch: WG1392141-2 WG1392141-3 |                  |      |                   |      |                     |     |      |               |

| Surrogate                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria | Column |
|------------------------------|------------------|------|-------------------|------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 88               |      | 83                |      | 30-150                 | A      |
| Decachlorobiphenyl           | 118              |      | 100               |      | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 82               |      | 80                |      | 30-150                 | B      |
| Decachlorobiphenyl           | 150              |      | 136               |      | 30-150                 | B      |

# **Lab Control Sample Analysis** Batch Quality Control

Project Name: 20-286219.1

Project Number: 20-286219.1

Lab Number: L2029724

Report Date: 07/15/20

| Parameter                                                                                                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|--------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG1392256-2 WG1392256-3 |                  |      |                   |      |                     |     |      |               |        |
| Delta-BHC                                                                                                    | 94               |      | 94                |      | 30-150              | 0   |      | 30            | A      |
| Lindane                                                                                                      | 89               |      | 89                |      | 30-150              | 0   |      | 30            | A      |
| Alpha-BHC                                                                                                    | 93               |      | 92                |      | 30-150              | 1   |      | 30            | A      |
| Beta-BHC                                                                                                     | 92               |      | 91                |      | 30-150              | 1   |      | 30            | A      |
| Heptachlor                                                                                                   | 94               |      | 93                |      | 30-150              | 1   |      | 30            | A      |
| Aldrin                                                                                                       | 94               |      | 94                |      | 30-150              | 0   |      | 30            | A      |
| Heptachlor epoxide                                                                                           | 96               |      | 94                |      | 30-150              | 2   |      | 30            | A      |
| Endrin                                                                                                       | 102              |      | 101               |      | 30-150              | 1   |      | 30            | A      |
| Endrin aldehyde                                                                                              | 92               |      | 84                |      | 30-150              | 9   |      | 30            | A      |
| Endrin ketone                                                                                                | 104              |      | 102               |      | 30-150              | 2   |      | 30            | A      |
| Dieldrin                                                                                                     | 106              |      | 106               |      | 30-150              | 0   |      | 30            | A      |
| 4,4'-DDE                                                                                                     | 101              |      | 100               |      | 30-150              | 1   |      | 30            | A      |
| 4,4'-DDD                                                                                                     | 110              |      | 109               |      | 30-150              | 1   |      | 30            | A      |
| 4,4'-DDT                                                                                                     | 114              |      | 109               |      | 30-150              | 4   |      | 30            | A      |
| Endosulfan I                                                                                                 | 98               |      | 97                |      | 30-150              | 1   |      | 30            | A      |
| Endosulfan II                                                                                                | 101              |      | 102               |      | 30-150              | 1   |      | 30            | A      |
| Endosulfan sulfate                                                                                           | 92               |      | 89                |      | 30-150              | 3   |      | 30            | A      |
| Methoxychlor                                                                                                 | 110              |      | 105               |      | 30-150              | 5   |      | 30            | A      |
| cis-Chlordane                                                                                                | 93               |      | 93                |      | 30-150              | 0   |      | 30            | A      |
| trans-Chlordane                                                                                              | 93               |      | 94                |      | 30-150              | 1   |      | 30            | A      |



# **Lab Control Sample Analysis** Batch Quality Control

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

| Parameter                                                                                                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG1392256-2 WG1392256-3 |                  |      |                   |      |                     |     |      |               |

| Surrogate                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria | Column |
|------------------------------|------------------|------|-------------------|------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 90               |      | 88                |      | 30-150                 | A      |
| Decachlorobiphenyl           | 133              |      | 118               |      | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 92               |      | 91                |      | 30-150                 | B      |
| Decachlorobiphenyl           | <b>184</b>       | Q    | <b>166</b>        | Q    | 30-150                 | B      |

## METALS

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-01

Date Collected: 07/14/20 09:30

Client ID: B-1

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY,  
11691

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 96%

| Parameter                    | Result | Qualifier | Units | RL    | MDL   | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Prep<br>Method | Analytical<br>Method | Analyst |
|------------------------------|--------|-----------|-------|-------|-------|--------------------|------------------|------------------|----------------|----------------------|---------|
| Total Metals - Mansfield Lab |        |           |       |       |       |                    |                  |                  |                |                      |         |
| Aluminum, Total              | 925    |           | mg/kg | 8.09  | 2.18  | 2                  | 07/15/20 06:50   | 07/15/20 10:24   | EPA 3050B      | 1,6010D              | PE      |
| Antimony, Total              | ND     |           | mg/kg | 4.04  | 0.307 | 2                  | 07/15/20 06:50   | 07/15/20 10:24   | EPA 3050B      | 1,6010D              | PE      |
| Arsenic, Total               | 1.16   |           | mg/kg | 0.809 | 0.168 | 2                  | 07/15/20 06:50   | 07/15/20 10:24   | EPA 3050B      | 1,6010D              | PE      |
| Barium, Total                | 4.07   |           | mg/kg | 0.809 | 0.141 | 2                  | 07/15/20 06:50   | 07/15/20 10:24   | EPA 3050B      | 1,6010D              | PE      |
| Beryllium, Total             | 0.040  | J         | mg/kg | 0.404 | 0.027 | 2                  | 07/15/20 06:50   | 07/15/20 10:24   | EPA 3050B      | 1,6010D              | PE      |
| Cadmium, Total               | ND     |           | mg/kg | 0.809 | 0.079 | 2                  | 07/15/20 06:50   | 07/15/20 11:58   | EPA 3050B      | 1,6010D              | PE      |
| Calcium, Total               | 387    |           | mg/kg | 8.09  | 2.83  | 2                  | 07/15/20 06:50   | 07/15/20 10:24   | EPA 3050B      | 1,6010D              | PE      |
| Chromium, Total              | 25.9   |           | mg/kg | 0.809 | 0.078 | 2                  | 07/15/20 06:50   | 07/15/20 10:24   | EPA 3050B      | 1,6010D              | PE      |
| Cobalt, Total                | 0.752  | J         | mg/kg | 1.62  | 0.134 | 2                  | 07/15/20 06:50   | 07/15/20 11:58   | EPA 3050B      | 1,6010D              | PE      |
| Copper, Total                | 3.32   |           | mg/kg | 0.809 | 0.209 | 2                  | 07/15/20 06:50   | 07/15/20 10:24   | EPA 3050B      | 1,6010D              | PE      |
| Iron, Total                  | 3590   |           | mg/kg | 4.04  | 0.731 | 2                  | 07/15/20 06:50   | 07/15/20 10:24   | EPA 3050B      | 1,6010D              | PE      |
| Lead, Total                  | 3.80   | J         | mg/kg | 4.04  | 0.217 | 2                  | 07/15/20 06:50   | 07/15/20 10:24   | EPA 3050B      | 1,6010D              | PE      |
| Magnesium, Total             | 162    |           | mg/kg | 8.09  | 1.25  | 2                  | 07/15/20 06:50   | 07/15/20 10:24   | EPA 3050B      | 1,6010D              | PE      |
| Manganese, Total             | 23.6   |           | mg/kg | 0.809 | 0.129 | 2                  | 07/15/20 06:50   | 07/15/20 10:24   | EPA 3050B      | 1,6010D              | PE      |
| Mercury, Total               | ND     |           | mg/kg | 0.066 | 0.043 | 1                  | 07/15/20 09:25   | 07/15/20 10:41   | EPA 7471B      | 1,7471B              | EW      |
| Nickel, Total                | 3.16   |           | mg/kg | 2.02  | 0.196 | 2                  | 07/15/20 06:50   | 07/15/20 10:24   | EPA 3050B      | 1,6010D              | PE      |
| Potassium, Total             | 106    | J         | mg/kg | 202   | 11.6  | 2                  | 07/15/20 06:50   | 07/15/20 10:24   | EPA 3050B      | 1,6010D              | PE      |
| Selenium, Total              | ND     |           | mg/kg | 1.62  | 0.209 | 2                  | 07/15/20 06:50   | 07/15/20 10:24   | EPA 3050B      | 1,6010D              | PE      |
| Silver, Total                | ND     |           | mg/kg | 0.809 | 0.229 | 2                  | 07/15/20 06:50   | 07/15/20 10:24   | EPA 3050B      | 1,6010D              | PE      |
| Sodium, Total                | 16.0   | J         | mg/kg | 162   | 2.55  | 2                  | 07/15/20 06:50   | 07/15/20 10:24   | EPA 3050B      | 1,6010D              | PE      |
| Thallium, Total              | ND     |           | mg/kg | 1.62  | 0.255 | 2                  | 07/15/20 06:50   | 07/15/20 10:24   | EPA 3050B      | 1,6010D              | PE      |
| Vanadium, Total              | 4.04   |           | mg/kg | 0.809 | 0.164 | 2                  | 07/15/20 06:50   | 07/15/20 10:24   | EPA 3050B      | 1,6010D              | PE      |
| Zinc, Total                  | 4.39   |           | mg/kg | 4.04  | 0.237 | 2                  | 07/15/20 06:50   | 07/15/20 10:24   | EPA 3050B      | 1,6010D              | PE      |



Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-02

Date Collected: 07/14/20 11:00

Client ID: B-2

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY,  
11691

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 97%

| Parameter                    | Result | Qualifier | Units | RL    | MDL   | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Prep<br>Method | Analytical<br>Method | Analyst |
|------------------------------|--------|-----------|-------|-------|-------|--------------------|------------------|------------------|----------------|----------------------|---------|
| Total Metals - Mansfield Lab |        |           |       |       |       |                    |                  |                  |                |                      |         |
| Aluminum, Total              | 4530   |           | mg/kg | 8.08  | 2.18  | 2                  | 07/15/20 06:50   | 07/15/20 10:29   | EPA 3050B      | 1,6010D              | PE      |
| Antimony, Total              | 0.598  | J         | mg/kg | 4.04  | 0.307 | 2                  | 07/15/20 06:50   | 07/15/20 10:29   | EPA 3050B      | 1,6010D              | PE      |
| Arsenic, Total               | 3.59   |           | mg/kg | 0.808 | 0.168 | 2                  | 07/15/20 06:50   | 07/15/20 10:29   | EPA 3050B      | 1,6010D              | PE      |
| Barium, Total                | 34.9   |           | mg/kg | 0.808 | 0.141 | 2                  | 07/15/20 06:50   | 07/15/20 10:29   | EPA 3050B      | 1,6010D              | PE      |
| Beryllium, Total             | 0.105  | J         | mg/kg | 0.404 | 0.027 | 2                  | 07/15/20 06:50   | 07/15/20 10:29   | EPA 3050B      | 1,6010D              | PE      |
| Cadmium, Total               | ND     |           | mg/kg | 0.808 | 0.079 | 2                  | 07/15/20 06:50   | 07/15/20 12:02   | EPA 3050B      | 1,6010D              | PE      |
| Calcium, Total               | 787    |           | mg/kg | 8.08  | 2.83  | 2                  | 07/15/20 06:50   | 07/15/20 10:29   | EPA 3050B      | 1,6010D              | PE      |
| Chromium, Total              | 10.3   |           | mg/kg | 0.808 | 0.078 | 2                  | 07/15/20 06:50   | 07/15/20 10:29   | EPA 3050B      | 1,6010D              | PE      |
| Cobalt, Total                | 1.46   | J         | mg/kg | 1.62  | 0.134 | 2                  | 07/15/20 06:50   | 07/15/20 12:02   | EPA 3050B      | 1,6010D              | PE      |
| Copper, Total                | 7.09   |           | mg/kg | 0.808 | 0.208 | 2                  | 07/15/20 06:50   | 07/15/20 10:29   | EPA 3050B      | 1,6010D              | PE      |
| Iron, Total                  | 10800  |           | mg/kg | 4.04  | 0.730 | 2                  | 07/15/20 06:50   | 07/15/20 10:29   | EPA 3050B      | 1,6010D              | PE      |
| Lead, Total                  | 168    |           | mg/kg | 4.04  | 0.217 | 2                  | 07/15/20 06:50   | 07/15/20 10:29   | EPA 3050B      | 1,6010D              | PE      |
| Magnesium, Total             | 299    |           | mg/kg | 8.08  | 1.24  | 2                  | 07/15/20 06:50   | 07/15/20 10:29   | EPA 3050B      | 1,6010D              | PE      |
| Manganese, Total             | 48.4   |           | mg/kg | 0.808 | 0.128 | 2                  | 07/15/20 06:50   | 07/15/20 10:29   | EPA 3050B      | 1,6010D              | PE      |
| Mercury, Total               | 0.284  |           | mg/kg | 0.065 | 0.042 | 1                  | 07/15/20 09:25   | 07/15/20 10:55   | EPA 7471B      | 1,7471B              | EW      |
| Nickel, Total                | 3.40   |           | mg/kg | 2.02  | 0.196 | 2                  | 07/15/20 06:50   | 07/15/20 10:29   | EPA 3050B      | 1,6010D              | PE      |
| Potassium, Total             | 178    | J         | mg/kg | 202   | 11.6  | 2                  | 07/15/20 06:50   | 07/15/20 10:29   | EPA 3050B      | 1,6010D              | PE      |
| Selenium, Total              | ND     |           | mg/kg | 1.62  | 0.208 | 2                  | 07/15/20 06:50   | 07/15/20 10:29   | EPA 3050B      | 1,6010D              | PE      |
| Silver, Total                | ND     |           | mg/kg | 0.808 | 0.229 | 2                  | 07/15/20 06:50   | 07/15/20 10:29   | EPA 3050B      | 1,6010D              | PE      |
| Sodium, Total                | 47.4   | J         | mg/kg | 162   | 2.55  | 2                  | 07/15/20 06:50   | 07/15/20 10:29   | EPA 3050B      | 1,6010D              | PE      |
| Thallium, Total              | ND     |           | mg/kg | 1.62  | 0.255 | 2                  | 07/15/20 06:50   | 07/15/20 10:29   | EPA 3050B      | 1,6010D              | PE      |
| Vanadium, Total              | 14.6   |           | mg/kg | 0.808 | 0.164 | 2                  | 07/15/20 06:50   | 07/15/20 10:29   | EPA 3050B      | 1,6010D              | PE      |
| Zinc, Total                  | 89.0   |           | mg/kg | 4.04  | 0.237 | 2                  | 07/15/20 06:50   | 07/15/20 10:29   | EPA 3050B      | 1,6010D              | PE      |



Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-03

Date Collected: 07/14/20 12:00

Client ID: B-3

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY,  
11691

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 93%

| Parameter                    | Result | Qualifier | Units | RL    | MDL   | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Prep<br>Method | Analytical<br>Method | Analyst |
|------------------------------|--------|-----------|-------|-------|-------|--------------------|------------------|------------------|----------------|----------------------|---------|
| Total Metals - Mansfield Lab |        |           |       |       |       |                    |                  |                  |                |                      |         |
| Aluminum, Total              | 2730   |           | mg/kg | 8.36  | 2.26  | 2                  | 07/15/20 06:50   | 07/15/20 10:33   | EPA 3050B      | 1,6010D              | PE      |
| Antimony, Total              | ND     |           | mg/kg | 4.18  | 0.318 | 2                  | 07/15/20 06:50   | 07/15/20 10:33   | EPA 3050B      | 1,6010D              | PE      |
| Arsenic, Total               | 1.31   |           | mg/kg | 0.836 | 0.174 | 2                  | 07/15/20 06:50   | 07/15/20 10:33   | EPA 3050B      | 1,6010D              | PE      |
| Barium, Total                | 7.27   |           | mg/kg | 0.836 | 0.146 | 2                  | 07/15/20 06:50   | 07/15/20 10:33   | EPA 3050B      | 1,6010D              | PE      |
| Beryllium, Total             | 0.050  | J         | mg/kg | 0.418 | 0.028 | 2                  | 07/15/20 06:50   | 07/15/20 10:33   | EPA 3050B      | 1,6010D              | PE      |
| Cadmium, Total               | ND     |           | mg/kg | 0.836 | 0.082 | 2                  | 07/15/20 06:50   | 07/15/20 12:06   | EPA 3050B      | 1,6010D              | PE      |
| Calcium, Total               | 289    |           | mg/kg | 8.36  | 2.93  | 2                  | 07/15/20 06:50   | 07/15/20 10:33   | EPA 3050B      | 1,6010D              | PE      |
| Chromium, Total              | 4.19   |           | mg/kg | 0.836 | 0.080 | 2                  | 07/15/20 06:50   | 07/15/20 10:33   | EPA 3050B      | 1,6010D              | PE      |
| Cobalt, Total                | 0.895  | J         | mg/kg | 1.67  | 0.139 | 2                  | 07/15/20 06:50   | 07/15/20 12:06   | EPA 3050B      | 1,6010D              | PE      |
| Copper, Total                | 2.46   |           | mg/kg | 0.836 | 0.216 | 2                  | 07/15/20 06:50   | 07/15/20 10:33   | EPA 3050B      | 1,6010D              | PE      |
| Iron, Total                  | 4790   |           | mg/kg | 4.18  | 0.755 | 2                  | 07/15/20 06:50   | 07/15/20 10:33   | EPA 3050B      | 1,6010D              | PE      |
| Lead, Total                  | 11.7   |           | mg/kg | 4.18  | 0.224 | 2                  | 07/15/20 06:50   | 07/15/20 10:33   | EPA 3050B      | 1,6010D              | PE      |
| Magnesium, Total             | 148    |           | mg/kg | 8.36  | 1.29  | 2                  | 07/15/20 06:50   | 07/15/20 10:33   | EPA 3050B      | 1,6010D              | PE      |
| Manganese, Total             | 30.3   |           | mg/kg | 0.836 | 0.133 | 2                  | 07/15/20 06:50   | 07/15/20 10:33   | EPA 3050B      | 1,6010D              | PE      |
| Mercury, Total               | ND     |           | mg/kg | 0.067 | 0.044 | 1                  | 07/15/20 09:25   | 07/15/20 11:05   | EPA 7471B      | 1,7471B              | EW      |
| Nickel, Total                | 1.80   | J         | mg/kg | 2.09  | 0.202 | 2                  | 07/15/20 06:50   | 07/15/20 10:33   | EPA 3050B      | 1,6010D              | PE      |
| Potassium, Total             | 96.4   | J         | mg/kg | 209   | 12.0  | 2                  | 07/15/20 06:50   | 07/15/20 10:33   | EPA 3050B      | 1,6010D              | PE      |
| Selenium, Total              | ND     |           | mg/kg | 1.67  | 0.216 | 2                  | 07/15/20 06:50   | 07/15/20 10:33   | EPA 3050B      | 1,6010D              | PE      |
| Silver, Total                | ND     |           | mg/kg | 0.836 | 0.237 | 2                  | 07/15/20 06:50   | 07/15/20 10:33   | EPA 3050B      | 1,6010D              | PE      |
| Sodium, Total                | 16.1   | J         | mg/kg | 167   | 2.64  | 2                  | 07/15/20 06:50   | 07/15/20 10:33   | EPA 3050B      | 1,6010D              | PE      |
| Thallium, Total              | ND     |           | mg/kg | 1.67  | 0.264 | 2                  | 07/15/20 06:50   | 07/15/20 10:33   | EPA 3050B      | 1,6010D              | PE      |
| Vanadium, Total              | 6.35   |           | mg/kg | 0.836 | 0.170 | 2                  | 07/15/20 06:50   | 07/15/20 10:33   | EPA 3050B      | 1,6010D              | PE      |
| Zinc, Total                  | 6.38   |           | mg/kg | 4.18  | 0.245 | 2                  | 07/15/20 06:50   | 07/15/20 10:33   | EPA 3050B      | 1,6010D              | PE      |



Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-04

Date Collected: 07/14/20 12:55

Client ID: B-4

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY,  
11691

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 98%

| Parameter                    | Result | Qualifier | Units | RL    | MDL   | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Prep<br>Method | Analytical<br>Method | Analyst |
|------------------------------|--------|-----------|-------|-------|-------|--------------------|------------------|------------------|----------------|----------------------|---------|
| Total Metals - Mansfield Lab |        |           |       |       |       |                    |                  |                  |                |                      |         |
| Aluminum, Total              | 648    |           | mg/kg | 7.91  | 2.14  | 2                  | 07/15/20 06:50   | 07/15/20 10:37   | EPA 3050B      | 1,6010D              | PE      |
| Antimony, Total              | ND     |           | mg/kg | 3.95  | 0.300 | 2                  | 07/15/20 06:50   | 07/15/20 10:37   | EPA 3050B      | 1,6010D              | PE      |
| Arsenic, Total               | 1.19   |           | mg/kg | 0.791 | 0.164 | 2                  | 07/15/20 06:50   | 07/15/20 10:37   | EPA 3050B      | 1,6010D              | PE      |
| Barium, Total                | 2.44   |           | mg/kg | 0.791 | 0.138 | 2                  | 07/15/20 06:50   | 07/15/20 10:37   | EPA 3050B      | 1,6010D              | PE      |
| Beryllium, Total             | 0.032  | J         | mg/kg | 0.395 | 0.026 | 2                  | 07/15/20 06:50   | 07/15/20 10:37   | EPA 3050B      | 1,6010D              | PE      |
| Cadmium, Total               | ND     |           | mg/kg | 0.791 | 0.078 | 2                  | 07/15/20 06:50   | 07/15/20 12:11   | EPA 3050B      | 1,6010D              | PE      |
| Calcium, Total               | 28.1   |           | mg/kg | 7.91  | 2.77  | 2                  | 07/15/20 06:50   | 07/15/20 10:37   | EPA 3050B      | 1,6010D              | PE      |
| Chromium, Total              | 6.45   |           | mg/kg | 0.791 | 0.076 | 2                  | 07/15/20 06:50   | 07/15/20 10:37   | EPA 3050B      | 1,6010D              | PE      |
| Cobalt, Total                | 0.467  | J         | mg/kg | 1.58  | 0.131 | 2                  | 07/15/20 06:50   | 07/15/20 12:11   | EPA 3050B      | 1,6010D              | PE      |
| Copper, Total                | 1.38   |           | mg/kg | 0.791 | 0.204 | 2                  | 07/15/20 06:50   | 07/15/20 10:37   | EPA 3050B      | 1,6010D              | PE      |
| Iron, Total                  | 1730   |           | mg/kg | 3.95  | 0.714 | 2                  | 07/15/20 06:50   | 07/15/20 10:37   | EPA 3050B      | 1,6010D              | PE      |
| Lead, Total                  | 0.506  | J         | mg/kg | 3.95  | 0.212 | 2                  | 07/15/20 06:50   | 07/15/20 10:37   | EPA 3050B      | 1,6010D              | PE      |
| Magnesium, Total             | 43.1   |           | mg/kg | 7.91  | 1.22  | 2                  | 07/15/20 06:50   | 07/15/20 10:37   | EPA 3050B      | 1,6010D              | PE      |
| Manganese, Total             | 12.0   |           | mg/kg | 0.791 | 0.126 | 2                  | 07/15/20 06:50   | 07/15/20 10:37   | EPA 3050B      | 1,6010D              | PE      |
| Mercury, Total               | ND     |           | mg/kg | 0.064 | 0.042 | 1                  | 07/15/20 09:25   | 07/15/20 11:08   | EPA 7471B      | 1,7471B              | EW      |
| Nickel, Total                | 0.941  | J         | mg/kg | 1.98  | 0.191 | 2                  | 07/15/20 06:50   | 07/15/20 10:37   | EPA 3050B      | 1,6010D              | PE      |
| Potassium, Total             | 49.9   | J         | mg/kg | 198   | 11.4  | 2                  | 07/15/20 06:50   | 07/15/20 10:37   | EPA 3050B      | 1,6010D              | PE      |
| Selenium, Total              | ND     |           | mg/kg | 1.58  | 0.204 | 2                  | 07/15/20 06:50   | 07/15/20 10:37   | EPA 3050B      | 1,6010D              | PE      |
| Silver, Total                | ND     |           | mg/kg | 0.791 | 0.224 | 2                  | 07/15/20 06:50   | 07/15/20 10:37   | EPA 3050B      | 1,6010D              | PE      |
| Sodium, Total                | 12.6   | J         | mg/kg | 158   | 2.49  | 2                  | 07/15/20 06:50   | 07/15/20 10:37   | EPA 3050B      | 1,6010D              | PE      |
| Thallium, Total              | ND     |           | mg/kg | 1.58  | 0.249 | 2                  | 07/15/20 06:50   | 07/15/20 10:37   | EPA 3050B      | 1,6010D              | PE      |
| Vanadium, Total              | 2.49   |           | mg/kg | 0.791 | 0.160 | 2                  | 07/15/20 06:50   | 07/15/20 10:37   | EPA 3050B      | 1,6010D              | PE      |
| Zinc, Total                  | 1.17   | J         | mg/kg | 3.95  | 0.232 | 2                  | 07/15/20 06:50   | 07/15/20 10:37   | EPA 3050B      | 1,6010D              | PE      |



Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-05

Date Collected: 07/14/20 09:45

Client ID: B-1GW

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY,  
11691

Field Prep: Not Specified

Sample Depth:

Matrix: Water

| Parameter                        | Result  | Qualifier | Units | RL      | MDL     | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Prep<br>Method | Analytical<br>Method | Analyst |
|----------------------------------|---------|-----------|-------|---------|---------|--------------------|------------------|------------------|----------------|----------------------|---------|
| Total Metals - Mansfield Lab     |         |           |       |         |         |                    |                  |                  |                |                      |         |
| Aluminum, Total                  | 24.4    |           | mg/l  | 0.0100  | 0.00327 | 1                  | 07/15/20 07:33   | 07/15/20 12:09   | EPA 3005A      | 1,6020B              | AM      |
| Antimony, Total                  | 0.00087 | J         | mg/l  | 0.00400 | 0.00042 | 1                  | 07/15/20 07:33   | 07/15/20 12:09   | EPA 3005A      | 1,6020B              | AM      |
| Arsenic, Total                   | 0.02221 |           | mg/l  | 0.00050 | 0.00016 | 1                  | 07/15/20 07:33   | 07/15/20 12:09   | EPA 3005A      | 1,6020B              | AM      |
| Barium, Total                    | 0.6390  |           | mg/l  | 0.00050 | 0.00017 | 1                  | 07/15/20 07:33   | 07/15/20 12:09   | EPA 3005A      | 1,6020B              | AM      |
| Beryllium, Total                 | 0.00524 |           | mg/l  | 0.00050 | 0.00010 | 1                  | 07/15/20 07:33   | 07/15/20 12:09   | EPA 3005A      | 1,6020B              | AM      |
| Cadmium, Total                   | 0.00074 |           | mg/l  | 0.00020 | 0.00005 | 1                  | 07/15/20 07:33   | 07/15/20 12:09   | EPA 3005A      | 1,6020B              | AM      |
| Calcium, Total                   | 14.3    |           | mg/l  | 0.100   | 0.0394  | 1                  | 07/15/20 07:33   | 07/15/20 12:09   | EPA 3005A      | 1,6020B              | AM      |
| Chromium, Total                  | 1.605   |           | mg/l  | 0.00100 | 0.00017 | 1                  | 07/15/20 07:33   | 07/15/20 12:09   | EPA 3005A      | 1,6020B              | AM      |
| Cobalt, Total                    | 0.03973 |           | mg/l  | 0.00050 | 0.00016 | 1                  | 07/15/20 07:33   | 07/15/20 12:09   | EPA 3005A      | 1,6020B              | AM      |
| Copper, Total                    | 0.07420 |           | mg/l  | 0.00100 | 0.00038 | 1                  | 07/15/20 07:33   | 07/15/20 12:09   | EPA 3005A      | 1,6020B              | AM      |
| Iron, Total                      | 150.    |           | mg/l  | 0.0500  | 0.0191  | 1                  | 07/15/20 07:33   | 07/15/20 12:09   | EPA 3005A      | 1,6020B              | AM      |
| Lead, Total                      | 0.6725  |           | mg/l  | 0.00100 | 0.00034 | 1                  | 07/15/20 07:33   | 07/15/20 12:09   | EPA 3005A      | 1,6020B              | AM      |
| Magnesium, Total                 | 2.92    |           | mg/l  | 0.0700  | 0.0242  | 1                  | 07/15/20 07:33   | 07/15/20 12:09   | EPA 3005A      | 1,6020B              | AM      |
| Manganese, Total                 | 0.8649  |           | mg/l  | 0.00100 | 0.00044 | 1                  | 07/15/20 07:33   | 07/15/20 12:09   | EPA 3005A      | 1,6020B              | AM      |
| Mercury, Total                   | 0.00124 |           | mg/l  | 0.00020 | 0.00009 | 1                  | 07/15/20 08:38   | 07/15/20 16:48   | EPA 7470A      | 1,7470A              | EW      |
| Nickel, Total                    | 0.1867  |           | mg/l  | 0.00200 | 0.00055 | 1                  | 07/15/20 07:33   | 07/15/20 12:09   | EPA 3005A      | 1,6020B              | AM      |
| Potassium, Total                 | 4.40    |           | mg/l  | 0.100   | 0.0309  | 1                  | 07/15/20 07:33   | 07/15/20 12:09   | EPA 3005A      | 1,6020B              | AM      |
| Selenium, Total                  | 0.0162  |           | mg/l  | 0.00500 | 0.00173 | 1                  | 07/15/20 07:33   | 07/15/20 12:09   | EPA 3005A      | 1,6020B              | AM      |
| Silver, Total                    | ND      |           | mg/l  | 0.00040 | 0.00016 | 1                  | 07/15/20 07:33   | 07/15/20 12:09   | EPA 3005A      | 1,6020B              | AM      |
| Sodium, Total                    | 15.0    |           | mg/l  | 0.100   | 0.0293  | 1                  | 07/15/20 07:33   | 07/15/20 12:09   | EPA 3005A      | 1,6020B              | AM      |
| Thallium, Total                  | 0.00038 | J         | mg/l  | 0.00050 | 0.00014 | 1                  | 07/15/20 07:33   | 07/15/20 12:09   | EPA 3005A      | 1,6020B              | AM      |
| Vanadium, Total                  | 0.1682  |           | mg/l  | 0.00500 | 0.00157 | 1                  | 07/15/20 07:33   | 07/15/20 12:09   | EPA 3005A      | 1,6020B              | AM      |
| Zinc, Total                      | 0.1659  |           | mg/l  | 0.01000 | 0.00341 | 1                  | 07/15/20 07:33   | 07/15/20 12:09   | EPA 3005A      | 1,6020B              | AM      |
| Dissolved Metals - Mansfield Lab |         |           |       |         |         |                    |                  |                  |                |                      |         |
| Aluminum, Dissolved              | 0.0230  |           | mg/l  | 0.0100  | 0.00327 | 1                  | 07/15/20 07:33   | 07/15/20 11:14   | EPA 3005A      | 1,6020B              | AM      |
| Antimony, Dissolved              | 0.00068 | J         | mg/l  | 0.00400 | 0.00042 | 1                  | 07/15/20 07:33   | 07/15/20 11:14   | EPA 3005A      | 1,6020B              | AM      |
| Arsenic, Dissolved               | 0.00127 |           | mg/l  | 0.00050 | 0.00016 | 1                  | 07/15/20 07:33   | 07/15/20 11:14   | EPA 3005A      | 1,6020B              | AM      |
| Barium, Dissolved                | 0.04375 |           | mg/l  | 0.00050 | 0.00017 | 1                  | 07/15/20 07:33   | 07/15/20 11:14   | EPA 3005A      | 1,6020B              | AM      |
| Beryllium, Dissolved             | ND      |           | mg/l  | 0.00050 | 0.00010 | 1                  | 07/15/20 07:33   | 07/15/20 11:14   | EPA 3005A      | 1,6020B              | AM      |



Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-05

Date Collected: 07/14/20 09:45

Client ID: B-1GW

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY,  
11691

Field Prep: Not Specified

Sample Depth:

Matrix: Water

| Parameter            | Result  | Qualifier | Units | RL      | MDL     | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Prep<br>Method | Analytical<br>Method | Analyst |
|----------------------|---------|-----------|-------|---------|---------|--------------------|------------------|------------------|----------------|----------------------|---------|
| Cadmium, Dissolved   | ND      |           | mg/l  | 0.00020 | 0.00005 | 1                  | 07/15/20 07:33   | 07/15/20 11:14   | EPA 3005A      | 1,6020B              | AM      |
| Calcium, Dissolved   | 9.03    |           | mg/l  | 0.100   | 0.0394  | 1                  | 07/15/20 07:33   | 07/15/20 11:14   | EPA 3005A      | 1,6020B              | AM      |
| Chromium, Dissolved  | ND      |           | mg/l  | 0.00100 | 0.00017 | 1                  | 07/15/20 07:33   | 07/15/20 11:14   | EPA 3005A      | 1,6020B              | AM      |
| Cobalt, Dissolved    | 0.00491 |           | mg/l  | 0.00050 | 0.00016 | 1                  | 07/15/20 07:33   | 07/15/20 11:14   | EPA 3005A      | 1,6020B              | AM      |
| Copper, Dissolved    | ND      |           | mg/l  | 0.00100 | 0.00038 | 1                  | 07/15/20 07:33   | 07/15/20 11:14   | EPA 3005A      | 1,6020B              | AM      |
| Iron, Dissolved      | 13.0    |           | mg/l  | 0.0500  | 0.0191  | 1                  | 07/15/20 07:33   | 07/15/20 11:14   | EPA 3005A      | 1,6020B              | AM      |
| Lead, Dissolved      | 0.00508 |           | mg/l  | 0.00100 | 0.00034 | 1                  | 07/15/20 07:33   | 07/15/20 11:14   | EPA 3005A      | 1,6020B              | AM      |
| Magnesium, Dissolved | 1.16    |           | mg/l  | 0.0700  | 0.0242  | 1                  | 07/15/20 07:33   | 07/15/20 11:14   | EPA 3005A      | 1,6020B              | AM      |
| Manganese, Dissolved | 0.2890  |           | mg/l  | 0.00100 | 0.00044 | 1                  | 07/15/20 07:33   | 07/15/20 11:14   | EPA 3005A      | 1,6020B              | AM      |
| Mercury, Dissolved   | ND      |           | mg/l  | 0.00020 | 0.00009 | 1                  | 07/15/20 08:38   | 07/15/20 17:05   | EPA 7470A      | 1,7470A              | EW      |
| Nickel, Dissolved    | 0.01373 |           | mg/l  | 0.00200 | 0.00055 | 1                  | 07/15/20 07:33   | 07/15/20 11:14   | EPA 3005A      | 1,6020B              | AM      |
| Potassium, Dissolved | 2.28    |           | mg/l  | 0.100   | 0.0309  | 1                  | 07/15/20 07:33   | 07/15/20 11:14   | EPA 3005A      | 1,6020B              | AM      |
| Selenium, Dissolved  | ND      |           | mg/l  | 0.00500 | 0.00173 | 1                  | 07/15/20 07:33   | 07/15/20 11:14   | EPA 3005A      | 1,6020B              | AM      |
| Silver, Dissolved    | ND      |           | mg/l  | 0.00040 | 0.00016 | 1                  | 07/15/20 07:33   | 07/15/20 11:14   | EPA 3005A      | 1,6020B              | AM      |
| Sodium, Dissolved    | 14.0    |           | mg/l  | 0.100   | 0.0293  | 1                  | 07/15/20 07:33   | 07/15/20 11:14   | EPA 3005A      | 1,6020B              | AM      |
| Thallium, Dissolved  | ND      |           | mg/l  | 0.00050 | 0.00014 | 1                  | 07/15/20 07:33   | 07/15/20 11:14   | EPA 3005A      | 1,6020B              | AM      |
| Vanadium, Dissolved  | ND      |           | mg/l  | 0.00500 | 0.00157 | 1                  | 07/15/20 07:33   | 07/15/20 11:14   | EPA 3005A      | 1,6020B              | AM      |
| Zinc, Dissolved      | 0.00766 | J         | mg/l  | 0.01000 | 0.00341 | 1                  | 07/15/20 07:33   | 07/15/20 11:14   | EPA 3005A      | 1,6020B              | AM      |





Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-06

Date Collected: 07/14/20 11:15

Client ID: B-2GW

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY,  
11691

Field Prep: Not Specified

Sample Depth:

Matrix: Water

| Parameter                        | Result  | Qualifier | Units | RL      | MDL     | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Prep<br>Method | Analytical<br>Method | Analyst |
|----------------------------------|---------|-----------|-------|---------|---------|--------------------|------------------|------------------|----------------|----------------------|---------|
| Total Metals - Mansfield Lab     |         |           |       |         |         |                    |                  |                  |                |                      |         |
| Aluminum, Total                  | 73.8    |           | mg/l  | 0.0100  | 0.00327 | 1                  | 07/15/20 07:33   | 07/15/20 12:14   | EPA 3005A      | 1,6020B              | AM      |
| Antimony, Total                  | 0.00071 | J         | mg/l  | 0.00400 | 0.00042 | 1                  | 07/15/20 07:33   | 07/15/20 12:14   | EPA 3005A      | 1,6020B              | AM      |
| Arsenic, Total                   | 0.02771 |           | mg/l  | 0.00050 | 0.00016 | 1                  | 07/15/20 07:33   | 07/15/20 12:14   | EPA 3005A      | 1,6020B              | AM      |
| Barium, Total                    | 0.3974  |           | mg/l  | 0.00050 | 0.00017 | 1                  | 07/15/20 07:33   | 07/15/20 12:14   | EPA 3005A      | 1,6020B              | AM      |
| Beryllium, Total                 | 0.01230 |           | mg/l  | 0.00050 | 0.00010 | 1                  | 07/15/20 07:33   | 07/15/20 12:14   | EPA 3005A      | 1,6020B              | AM      |
| Cadmium, Total                   | 0.00288 |           | mg/l  | 0.00020 | 0.00005 | 1                  | 07/15/20 07:33   | 07/15/20 12:14   | EPA 3005A      | 1,6020B              | AM      |
| Calcium, Total                   | 44.4    |           | mg/l  | 0.100   | 0.0394  | 1                  | 07/15/20 07:33   | 07/15/20 12:14   | EPA 3005A      | 1,6020B              | AM      |
| Chromium, Total                  | 0.8659  |           | mg/l  | 0.00100 | 0.00017 | 1                  | 07/15/20 07:33   | 07/15/20 12:14   | EPA 3005A      | 1,6020B              | AM      |
| Cobalt, Total                    | 0.2501  |           | mg/l  | 0.00050 | 0.00016 | 1                  | 07/15/20 07:33   | 07/15/20 12:14   | EPA 3005A      | 1,6020B              | AM      |
| Copper, Total                    | 0.1972  |           | mg/l  | 0.00100 | 0.00038 | 1                  | 07/15/20 07:33   | 07/15/20 12:14   | EPA 3005A      | 1,6020B              | AM      |
| Iron, Total                      | 227.    |           | mg/l  | 0.0500  | 0.0191  | 1                  | 07/15/20 07:33   | 07/15/20 12:14   | EPA 3005A      | 1,6020B              | AM      |
| Lead, Total                      | 0.4621  |           | mg/l  | 0.00100 | 0.00034 | 1                  | 07/15/20 07:33   | 07/15/20 12:14   | EPA 3005A      | 1,6020B              | AM      |
| Magnesium, Total                 | 6.26    |           | mg/l  | 0.0700  | 0.0242  | 1                  | 07/15/20 07:33   | 07/15/20 12:14   | EPA 3005A      | 1,6020B              | AM      |
| Manganese, Total                 | 3.548   |           | mg/l  | 0.00100 | 0.00044 | 1                  | 07/15/20 07:33   | 07/15/20 12:14   | EPA 3005A      | 1,6020B              | AM      |
| Mercury, Total                   | 0.00236 |           | mg/l  | 0.00020 | 0.00009 | 1                  | 07/15/20 08:38   | 07/15/20 16:43   | EPA 7470A      | 1,7470A              | EW      |
| Nickel, Total                    | 0.6246  |           | mg/l  | 0.00200 | 0.00055 | 1                  | 07/15/20 07:33   | 07/15/20 12:14   | EPA 3005A      | 1,6020B              | AM      |
| Potassium, Total                 | 5.00    |           | mg/l  | 0.100   | 0.0309  | 1                  | 07/15/20 07:33   | 07/15/20 12:14   | EPA 3005A      | 1,6020B              | AM      |
| Selenium, Total                  | 0.0275  |           | mg/l  | 0.00500 | 0.00173 | 1                  | 07/15/20 07:33   | 07/15/20 12:14   | EPA 3005A      | 1,6020B              | AM      |
| Silver, Total                    | 0.00021 | J         | mg/l  | 0.00040 | 0.00016 | 1                  | 07/15/20 07:33   | 07/15/20 12:14   | EPA 3005A      | 1,6020B              | AM      |
| Sodium, Total                    | 4.52    |           | mg/l  | 0.100   | 0.0293  | 1                  | 07/15/20 07:33   | 07/15/20 12:14   | EPA 3005A      | 1,6020B              | AM      |
| Thallium, Total                  | 0.00089 |           | mg/l  | 0.00050 | 0.00014 | 1                  | 07/15/20 07:33   | 07/15/20 12:14   | EPA 3005A      | 1,6020B              | AM      |
| Vanadium, Total                  | 0.2063  |           | mg/l  | 0.00500 | 0.00157 | 1                  | 07/15/20 07:33   | 07/15/20 12:14   | EPA 3005A      | 1,6020B              | AM      |
| Zinc, Total                      | 1.088   |           | mg/l  | 0.01000 | 0.00341 | 1                  | 07/15/20 07:33   | 07/15/20 12:14   | EPA 3005A      | 1,6020B              | AM      |
| Dissolved Metals - Mansfield Lab |         |           |       |         |         |                    |                  |                  |                |                      |         |
| Aluminum, Dissolved              | 0.00349 | J         | mg/l  | 0.0100  | 0.00327 | 1                  | 07/15/20 07:33   | 07/15/20 11:19   | EPA 3005A      | 1,6020B              | AM      |
| Antimony, Dissolved              | ND      |           | mg/l  | 0.00400 | 0.00042 | 1                  | 07/15/20 07:33   | 07/15/20 11:19   | EPA 3005A      | 1,6020B              | AM      |
| Arsenic, Dissolved               | 0.00068 |           | mg/l  | 0.00050 | 0.00016 | 1                  | 07/15/20 07:33   | 07/15/20 11:19   | EPA 3005A      | 1,6020B              | AM      |
| Barium, Dissolved                | 0.00582 |           | mg/l  | 0.00050 | 0.00017 | 1                  | 07/15/20 07:33   | 07/15/20 11:19   | EPA 3005A      | 1,6020B              | AM      |
| Beryllium, Dissolved             | ND      |           | mg/l  | 0.00050 | 0.00010 | 1                  | 07/15/20 07:33   | 07/15/20 11:19   | EPA 3005A      | 1,6020B              | AM      |



Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-06

Date Collected: 07/14/20 11:15

Client ID: B-2GW

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Field Prep: Not Specified

Sample Depth:

Matrix: Water

| Parameter            | Result  | Qualifier | Units | RL      | MDL     | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|----------------------|---------|-----------|-------|---------|---------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Cadmium, Dissolved   | ND      |           | mg/l  | 0.00020 | 0.00005 | 1               | 07/15/20 07:33 | 07/15/20 11:19 | EPA 3005A   | 1,6020B           | AM      |
| Calcium, Dissolved   | 28.3    |           | mg/l  | 0.100   | 0.0394  | 1               | 07/15/20 07:33 | 07/15/20 11:19 | EPA 3005A   | 1,6020B           | AM      |
| Chromium, Dissolved  | ND      |           | mg/l  | 0.00100 | 0.00017 | 1               | 07/15/20 07:33 | 07/15/20 11:19 | EPA 3005A   | 1,6020B           | AM      |
| Cobalt, Dissolved    | 0.00506 |           | mg/l  | 0.00050 | 0.00016 | 1               | 07/15/20 07:33 | 07/15/20 11:19 | EPA 3005A   | 1,6020B           | AM      |
| Copper, Dissolved    | ND      |           | mg/l  | 0.00100 | 0.00038 | 1               | 07/15/20 07:33 | 07/15/20 11:19 | EPA 3005A   | 1,6020B           | AM      |
| Iron, Dissolved      | 1.53    |           | mg/l  | 0.0500  | 0.0191  | 1               | 07/15/20 07:33 | 07/15/20 11:19 | EPA 3005A   | 1,6020B           | AM      |
| Lead, Dissolved      | ND      |           | mg/l  | 0.00100 | 0.00034 | 1               | 07/15/20 07:33 | 07/15/20 11:19 | EPA 3005A   | 1,6020B           | AM      |
| Magnesium, Dissolved | 2.39    |           | mg/l  | 0.0700  | 0.0242  | 1               | 07/15/20 07:33 | 07/15/20 11:19 | EPA 3005A   | 1,6020B           | AM      |
| Manganese, Dissolved | 0.6186  |           | mg/l  | 0.00100 | 0.00044 | 1               | 07/15/20 07:33 | 07/15/20 11:19 | EPA 3005A   | 1,6020B           | AM      |
| Mercury, Dissolved   | ND      |           | mg/l  | 0.00020 | 0.00009 | 1               | 07/15/20 08:38 | 07/15/20 17:07 | EPA 7470A   | 1,7470A           | EW      |
| Nickel, Dissolved    | 0.00437 |           | mg/l  | 0.00200 | 0.00055 | 1               | 07/15/20 07:33 | 07/15/20 11:19 | EPA 3005A   | 1,6020B           | AM      |
| Potassium, Dissolved | 2.30    |           | mg/l  | 0.100   | 0.0309  | 1               | 07/15/20 07:33 | 07/15/20 11:19 | EPA 3005A   | 1,6020B           | AM      |
| Selenium, Dissolved  | ND      |           | mg/l  | 0.00500 | 0.00173 | 1               | 07/15/20 07:33 | 07/15/20 11:19 | EPA 3005A   | 1,6020B           | AM      |
| Silver, Dissolved    | ND      |           | mg/l  | 0.00040 | 0.00016 | 1               | 07/15/20 07:33 | 07/15/20 11:19 | EPA 3005A   | 1,6020B           | AM      |
| Sodium, Dissolved    | 3.60    |           | mg/l  | 0.100   | 0.0293  | 1               | 07/15/20 07:33 | 07/15/20 11:19 | EPA 3005A   | 1,6020B           | AM      |
| Thallium, Dissolved  | ND      |           | mg/l  | 0.00050 | 0.00014 | 1               | 07/15/20 07:33 | 07/15/20 11:19 | EPA 3005A   | 1,6020B           | AM      |
| Vanadium, Dissolved  | ND      |           | mg/l  | 0.00500 | 0.00157 | 1               | 07/15/20 07:33 | 07/15/20 11:19 | EPA 3005A   | 1,6020B           | AM      |
| Zinc, Dissolved      | 0.00388 | J         | mg/l  | 0.01000 | 0.00341 | 1               | 07/15/20 07:33 | 07/15/20 11:19 | EPA 3005A   | 1,6020B           | AM      |



Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-07

Date Collected: 07/14/20 12:10

Client ID: B-3GW

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY,  
11691

Field Prep: Not Specified

Sample Depth:

Matrix: Water

| Parameter                        | Result  | Qualifier | Units | RL      | MDL     | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Prep<br>Method | Analytical<br>Method | Analyst |
|----------------------------------|---------|-----------|-------|---------|---------|--------------------|------------------|------------------|----------------|----------------------|---------|
| Total Metals - Mansfield Lab     |         |           |       |         |         |                    |                  |                  |                |                      |         |
| Aluminum, Total                  | 32.8    |           | mg/l  | 0.0100  | 0.00327 | 1                  | 07/15/20 07:33   | 07/15/20 12:18   | EPA 3005A      | 1,6020B              | AM      |
| Antimony, Total                  | 0.00060 | J         | mg/l  | 0.00400 | 0.00042 | 1                  | 07/15/20 07:33   | 07/15/20 12:18   | EPA 3005A      | 1,6020B              | AM      |
| Arsenic, Total                   | 0.01894 |           | mg/l  | 0.00050 | 0.00016 | 1                  | 07/15/20 07:33   | 07/15/20 12:18   | EPA 3005A      | 1,6020B              | AM      |
| Barium, Total                    | 0.3175  |           | mg/l  | 0.00050 | 0.00017 | 1                  | 07/15/20 07:33   | 07/15/20 12:18   | EPA 3005A      | 1,6020B              | AM      |
| Beryllium, Total                 | 0.00637 |           | mg/l  | 0.00050 | 0.00010 | 1                  | 07/15/20 07:33   | 07/15/20 12:18   | EPA 3005A      | 1,6020B              | AM      |
| Cadmium, Total                   | 0.00058 |           | mg/l  | 0.00020 | 0.00005 | 1                  | 07/15/20 07:33   | 07/15/20 12:18   | EPA 3005A      | 1,6020B              | AM      |
| Calcium, Total                   | 73.0    |           | mg/l  | 0.100   | 0.0394  | 1                  | 07/15/20 07:33   | 07/15/20 12:18   | EPA 3005A      | 1,6020B              | AM      |
| Chromium, Total                  | 0.4933  |           | mg/l  | 0.00100 | 0.00017 | 1                  | 07/15/20 07:33   | 07/15/20 12:18   | EPA 3005A      | 1,6020B              | AM      |
| Cobalt, Total                    | 0.08147 |           | mg/l  | 0.00050 | 0.00016 | 1                  | 07/15/20 07:33   | 07/15/20 12:18   | EPA 3005A      | 1,6020B              | AM      |
| Copper, Total                    | 0.1432  |           | mg/l  | 0.00100 | 0.00038 | 1                  | 07/15/20 07:33   | 07/15/20 12:18   | EPA 3005A      | 1,6020B              | AM      |
| Iron, Total                      | 128.    |           | mg/l  | 0.0500  | 0.0191  | 1                  | 07/15/20 07:33   | 07/15/20 12:18   | EPA 3005A      | 1,6020B              | AM      |
| Lead, Total                      | 0.5886  |           | mg/l  | 0.00100 | 0.00034 | 1                  | 07/15/20 07:33   | 07/15/20 12:18   | EPA 3005A      | 1,6020B              | AM      |
| Magnesium, Total                 | 7.96    |           | mg/l  | 0.0700  | 0.0242  | 1                  | 07/15/20 07:33   | 07/15/20 12:18   | EPA 3005A      | 1,6020B              | AM      |
| Manganese, Total                 | 1.619   |           | mg/l  | 0.00100 | 0.00044 | 1                  | 07/15/20 07:33   | 07/15/20 12:18   | EPA 3005A      | 1,6020B              | AM      |
| Mercury, Total                   | 0.00052 |           | mg/l  | 0.00020 | 0.00009 | 1                  | 07/15/20 08:38   | 07/15/20 16:50   | EPA 7470A      | 1,7470A              | EW      |
| Nickel, Total                    | 0.1055  |           | mg/l  | 0.00200 | 0.00055 | 1                  | 07/15/20 07:33   | 07/15/20 12:18   | EPA 3005A      | 1,6020B              | AM      |
| Potassium, Total                 | 7.92    |           | mg/l  | 0.100   | 0.0309  | 1                  | 07/15/20 07:33   | 07/15/20 12:18   | EPA 3005A      | 1,6020B              | AM      |
| Selenium, Total                  | 0.0206  |           | mg/l  | 0.00500 | 0.00173 | 1                  | 07/15/20 07:33   | 07/15/20 12:18   | EPA 3005A      | 1,6020B              | AM      |
| Silver, Total                    | ND      |           | mg/l  | 0.00040 | 0.00016 | 1                  | 07/15/20 07:33   | 07/15/20 12:18   | EPA 3005A      | 1,6020B              | AM      |
| Sodium, Total                    | 77.7    |           | mg/l  | 0.100   | 0.0293  | 1                  | 07/15/20 07:33   | 07/15/20 12:18   | EPA 3005A      | 1,6020B              | AM      |
| Thallium, Total                  | 0.00049 | J         | mg/l  | 0.00050 | 0.00014 | 1                  | 07/15/20 07:33   | 07/15/20 12:18   | EPA 3005A      | 1,6020B              | AM      |
| Vanadium, Total                  | 0.09184 |           | mg/l  | 0.00500 | 0.00157 | 1                  | 07/15/20 07:33   | 07/15/20 12:18   | EPA 3005A      | 1,6020B              | AM      |
| Zinc, Total                      | 0.1136  |           | mg/l  | 0.01000 | 0.00341 | 1                  | 07/15/20 07:33   | 07/15/20 12:18   | EPA 3005A      | 1,6020B              | AM      |
| Dissolved Metals - Mansfield Lab |         |           |       |         |         |                    |                  |                  |                |                      |         |
| Aluminum, Dissolved              | ND      |           | mg/l  | 0.0100  | 0.00327 | 1                  | 07/15/20 07:33   | 07/15/20 11:09   | EPA 3005A      | 1,6020B              | AM      |
| Antimony, Dissolved              | 0.00089 | J         | mg/l  | 0.00400 | 0.00042 | 1                  | 07/15/20 07:33   | 07/15/20 11:09   | EPA 3005A      | 1,6020B              | AM      |
| Arsenic, Dissolved               | 0.00025 | J         | mg/l  | 0.00050 | 0.00016 | 1                  | 07/15/20 07:33   | 07/15/20 11:09   | EPA 3005A      | 1,6020B              | AM      |
| Barium, Dissolved                | 0.02419 |           | mg/l  | 0.00050 | 0.00017 | 1                  | 07/15/20 07:33   | 07/15/20 11:09   | EPA 3005A      | 1,6020B              | AM      |
| Beryllium, Dissolved             | ND      |           | mg/l  | 0.00050 | 0.00010 | 1                  | 07/15/20 07:33   | 07/15/20 11:09   | EPA 3005A      | 1,6020B              | AM      |



Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-07

Date Collected: 07/14/20 12:10

Client ID: B-3GW

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY,  
11691

Field Prep: Not Specified

Sample Depth:

Matrix: Water

| Parameter            | Result  | Qualifier | Units | RL      | MDL     | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Prep<br>Method | Analytical<br>Method | Analyst |
|----------------------|---------|-----------|-------|---------|---------|--------------------|------------------|------------------|----------------|----------------------|---------|
| Cadmium, Dissolved   | ND      |           | mg/l  | 0.00020 | 0.00005 | 1                  | 07/15/20 07:33   | 07/15/20 11:09   | EPA 3005A      | 1,6020B              | AM      |
| Calcium, Dissolved   | 65.8    |           | mg/l  | 0.100   | 0.0394  | 1                  | 07/15/20 07:33   | 07/15/20 11:09   | EPA 3005A      | 1,6020B              | AM      |
| Chromium, Dissolved  | ND      |           | mg/l  | 0.00100 | 0.00017 | 1                  | 07/15/20 07:33   | 07/15/20 11:09   | EPA 3005A      | 1,6020B              | AM      |
| Cobalt, Dissolved    | 0.03294 |           | mg/l  | 0.00050 | 0.00016 | 1                  | 07/15/20 07:33   | 07/15/20 11:09   | EPA 3005A      | 1,6020B              | AM      |
| Copper, Dissolved    | 0.00052 | J         | mg/l  | 0.00100 | 0.00038 | 1                  | 07/15/20 07:33   | 07/15/20 11:09   | EPA 3005A      | 1,6020B              | AM      |
| Iron, Dissolved      | 5.37    |           | mg/l  | 0.0500  | 0.0191  | 1                  | 07/15/20 07:33   | 07/15/20 11:09   | EPA 3005A      | 1,6020B              | AM      |
| Lead, Dissolved      | ND      |           | mg/l  | 0.00100 | 0.00034 | 1                  | 07/15/20 07:33   | 07/15/20 11:09   | EPA 3005A      | 1,6020B              | AM      |
| Magnesium, Dissolved | 6.20    |           | mg/l  | 0.0700  | 0.0242  | 1                  | 07/15/20 07:33   | 07/15/20 11:09   | EPA 3005A      | 1,6020B              | AM      |
| Manganese, Dissolved | 0.8764  |           | mg/l  | 0.00100 | 0.00044 | 1                  | 07/15/20 07:33   | 07/15/20 11:09   | EPA 3005A      | 1,6020B              | AM      |
| Mercury, Dissolved   | ND      |           | mg/l  | 0.00020 | 0.00009 | 1                  | 07/15/20 08:38   | 07/15/20 17:00   | EPA 7470A      | 1,7470A              | EW      |
| Nickel, Dissolved    | 0.01709 |           | mg/l  | 0.00200 | 0.00055 | 1                  | 07/15/20 07:33   | 07/15/20 11:09   | EPA 3005A      | 1,6020B              | AM      |
| Potassium, Dissolved | 6.04    |           | mg/l  | 0.100   | 0.0309  | 1                  | 07/15/20 07:33   | 07/15/20 11:09   | EPA 3005A      | 1,6020B              | AM      |
| Selenium, Dissolved  | ND      |           | mg/l  | 0.00500 | 0.00173 | 1                  | 07/15/20 07:33   | 07/15/20 11:09   | EPA 3005A      | 1,6020B              | AM      |
| Silver, Dissolved    | ND      |           | mg/l  | 0.00040 | 0.00016 | 1                  | 07/15/20 07:33   | 07/15/20 11:09   | EPA 3005A      | 1,6020B              | AM      |
| Sodium, Dissolved    | 77.6    |           | mg/l  | 0.100   | 0.0293  | 1                  | 07/15/20 07:33   | 07/15/20 11:09   | EPA 3005A      | 1,6020B              | AM      |
| Thallium, Dissolved  | ND      |           | mg/l  | 0.00050 | 0.00014 | 1                  | 07/15/20 07:33   | 07/15/20 11:09   | EPA 3005A      | 1,6020B              | AM      |
| Vanadium, Dissolved  | ND      |           | mg/l  | 0.00500 | 0.00157 | 1                  | 07/15/20 07:33   | 07/15/20 11:09   | EPA 3005A      | 1,6020B              | AM      |
| Zinc, Dissolved      | 0.00453 | J         | mg/l  | 0.01000 | 0.00341 | 1                  | 07/15/20 07:33   | 07/15/20 11:09   | EPA 3005A      | 1,6020B              | AM      |



Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-08

Date Collected: 07/14/20 13:15

Client ID: B-4GW

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY,  
11691

Field Prep: Not Specified

Sample Depth:

Matrix: Water

| Parameter                        | Result  | Qualifier | Units | RL      | MDL     | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Prep<br>Method | Analytical<br>Method | Analyst |
|----------------------------------|---------|-----------|-------|---------|---------|--------------------|------------------|------------------|----------------|----------------------|---------|
| Total Metals - Mansfield Lab     |         |           |       |         |         |                    |                  |                  |                |                      |         |
| Aluminum, Total                  | 35.8    |           | mg/l  | 0.0100  | 0.00327 | 1                  | 07/15/20 07:33   | 07/15/20 12:23   | EPA 3005A      | 1,6020B              | AM      |
| Antimony, Total                  | 0.00043 | J         | mg/l  | 0.00400 | 0.00042 | 1                  | 07/15/20 07:33   | 07/15/20 12:23   | EPA 3005A      | 1,6020B              | AM      |
| Arsenic, Total                   | 0.01820 |           | mg/l  | 0.00050 | 0.00016 | 1                  | 07/15/20 07:33   | 07/15/20 12:23   | EPA 3005A      | 1,6020B              | AM      |
| Barium, Total                    | 0.4164  |           | mg/l  | 0.00050 | 0.00017 | 1                  | 07/15/20 07:33   | 07/15/20 12:23   | EPA 3005A      | 1,6020B              | AM      |
| Beryllium, Total                 | 0.00560 |           | mg/l  | 0.00050 | 0.00010 | 1                  | 07/15/20 07:33   | 07/15/20 12:23   | EPA 3005A      | 1,6020B              | AM      |
| Cadmium, Total                   | 0.00066 |           | mg/l  | 0.00020 | 0.00005 | 1                  | 07/15/20 07:33   | 07/15/20 12:23   | EPA 3005A      | 1,6020B              | AM      |
| Calcium, Total                   | 78.2    |           | mg/l  | 0.100   | 0.0394  | 1                  | 07/15/20 07:33   | 07/15/20 12:23   | EPA 3005A      | 1,6020B              | AM      |
| Chromium, Total                  | 0.5282  |           | mg/l  | 0.00100 | 0.00017 | 1                  | 07/15/20 07:33   | 07/15/20 12:23   | EPA 3005A      | 1,6020B              | AM      |
| Cobalt, Total                    | 0.1066  |           | mg/l  | 0.00050 | 0.00016 | 1                  | 07/15/20 07:33   | 07/15/20 12:23   | EPA 3005A      | 1,6020B              | AM      |
| Copper, Total                    | 0.1583  |           | mg/l  | 0.00100 | 0.00038 | 1                  | 07/15/20 07:33   | 07/15/20 12:23   | EPA 3005A      | 1,6020B              | AM      |
| Iron, Total                      | 131.    |           | mg/l  | 0.0500  | 0.0191  | 1                  | 07/15/20 07:33   | 07/15/20 12:23   | EPA 3005A      | 1,6020B              | AM      |
| Lead, Total                      | 0.4631  |           | mg/l  | 0.00100 | 0.00034 | 1                  | 07/15/20 07:33   | 07/15/20 12:23   | EPA 3005A      | 1,6020B              | AM      |
| Magnesium, Total                 | 6.59    |           | mg/l  | 0.0700  | 0.0242  | 1                  | 07/15/20 07:33   | 07/15/20 12:23   | EPA 3005A      | 1,6020B              | AM      |
| Manganese, Total                 | 1.739   |           | mg/l  | 0.00100 | 0.00044 | 1                  | 07/15/20 07:33   | 07/15/20 12:23   | EPA 3005A      | 1,6020B              | AM      |
| Mercury, Total                   | 0.00066 |           | mg/l  | 0.00020 | 0.00009 | 1                  | 07/15/20 08:38   | 07/15/20 16:51   | EPA 7470A      | 1,7470A              | EW      |
| Nickel, Total                    | 0.09470 |           | mg/l  | 0.00200 | 0.00055 | 1                  | 07/15/20 07:33   | 07/15/20 12:23   | EPA 3005A      | 1,6020B              | AM      |
| Potassium, Total                 | 13.3    |           | mg/l  | 0.100   | 0.0309  | 1                  | 07/15/20 07:33   | 07/15/20 12:23   | EPA 3005A      | 1,6020B              | AM      |
| Selenium, Total                  | 0.0226  |           | mg/l  | 0.00500 | 0.00173 | 1                  | 07/15/20 07:33   | 07/15/20 12:23   | EPA 3005A      | 1,6020B              | AM      |
| Silver, Total                    | ND      |           | mg/l  | 0.00040 | 0.00016 | 1                  | 07/15/20 07:33   | 07/15/20 12:23   | EPA 3005A      | 1,6020B              | AM      |
| Sodium, Total                    | 207.    |           | mg/l  | 0.100   | 0.0293  | 1                  | 07/15/20 07:33   | 07/15/20 12:23   | EPA 3005A      | 1,6020B              | AM      |
| Thallium, Total                  | 0.00053 |           | mg/l  | 0.00050 | 0.00014 | 1                  | 07/15/20 07:33   | 07/15/20 12:23   | EPA 3005A      | 1,6020B              | AM      |
| Vanadium, Total                  | 0.09114 |           | mg/l  | 0.00500 | 0.00157 | 1                  | 07/15/20 07:33   | 07/15/20 12:23   | EPA 3005A      | 1,6020B              | AM      |
| Zinc, Total                      | 0.2103  |           | mg/l  | 0.01000 | 0.00341 | 1                  | 07/15/20 07:33   | 07/15/20 12:23   | EPA 3005A      | 1,6020B              | AM      |
| Dissolved Metals - Mansfield Lab |         |           |       |         |         |                    |                  |                  |                |                      |         |
| Aluminum, Dissolved              | 0.260   |           | mg/l  | 0.0100  | 0.00327 | 1                  | 07/15/20 07:33   | 07/15/20 11:23   | EPA 3005A      | 1,6020B              | AM      |
| Antimony, Dissolved              | ND      |           | mg/l  | 0.00400 | 0.00042 | 1                  | 07/15/20 07:33   | 07/15/20 11:23   | EPA 3005A      | 1,6020B              | AM      |
| Arsenic, Dissolved               | 0.00052 |           | mg/l  | 0.00050 | 0.00016 | 1                  | 07/15/20 07:33   | 07/15/20 11:23   | EPA 3005A      | 1,6020B              | AM      |
| Barium, Dissolved                | 0.03031 |           | mg/l  | 0.00050 | 0.00017 | 1                  | 07/15/20 07:33   | 07/15/20 11:23   | EPA 3005A      | 1,6020B              | AM      |
| Beryllium, Dissolved             | ND      |           | mg/l  | 0.00050 | 0.00010 | 1                  | 07/15/20 07:33   | 07/15/20 11:23   | EPA 3005A      | 1,6020B              | AM      |



Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## SAMPLE RESULTS

Lab ID: L2029724-08

Date Collected: 07/14/20 13:15

Client ID: B-4GW

Date Received: 07/14/20

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY,  
11691

Field Prep: Not Specified

Sample Depth:

Matrix: Water

| Parameter            | Result  | Qualifier | Units | RL      | MDL     | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Prep<br>Method | Analytical<br>Method | Analyst |
|----------------------|---------|-----------|-------|---------|---------|--------------------|------------------|------------------|----------------|----------------------|---------|
| Cadmium, Dissolved   | ND      |           | mg/l  | 0.00020 | 0.00005 | 1                  | 07/15/20 07:33   | 07/15/20 11:23   | EPA 3005A      | 1,6020B              | AM      |
| Calcium, Dissolved   | 68.9    |           | mg/l  | 0.100   | 0.0394  | 1                  | 07/15/20 07:33   | 07/15/20 11:23   | EPA 3005A      | 1,6020B              | AM      |
| Chromium, Dissolved  | 0.00073 | J         | mg/l  | 0.00100 | 0.00017 | 1                  | 07/15/20 07:33   | 07/15/20 11:23   | EPA 3005A      | 1,6020B              | AM      |
| Cobalt, Dissolved    | 0.03054 |           | mg/l  | 0.00050 | 0.00016 | 1                  | 07/15/20 07:33   | 07/15/20 11:23   | EPA 3005A      | 1,6020B              | AM      |
| Copper, Dissolved    | 0.00056 | J         | mg/l  | 0.00100 | 0.00038 | 1                  | 07/15/20 07:33   | 07/15/20 11:23   | EPA 3005A      | 1,6020B              | AM      |
| Iron, Dissolved      | 3.00    |           | mg/l  | 0.0500  | 0.0191  | 1                  | 07/15/20 07:33   | 07/15/20 11:23   | EPA 3005A      | 1,6020B              | AM      |
| Lead, Dissolved      | 0.00073 | J         | mg/l  | 0.00100 | 0.00034 | 1                  | 07/15/20 07:33   | 07/15/20 11:23   | EPA 3005A      | 1,6020B              | AM      |
| Magnesium, Dissolved | 4.40    |           | mg/l  | 0.0700  | 0.0242  | 1                  | 07/15/20 07:33   | 07/15/20 11:23   | EPA 3005A      | 1,6020B              | AM      |
| Manganese, Dissolved | 0.7328  |           | mg/l  | 0.00100 | 0.00044 | 1                  | 07/15/20 07:33   | 07/15/20 11:23   | EPA 3005A      | 1,6020B              | AM      |
| Mercury, Dissolved   | ND      |           | mg/l  | 0.00020 | 0.00009 | 1                  | 07/15/20 08:38   | 07/15/20 17:08   | EPA 7470A      | 1,7470A              | EW      |
| Nickel, Dissolved    | 0.01170 |           | mg/l  | 0.00200 | 0.00055 | 1                  | 07/15/20 07:33   | 07/15/20 11:23   | EPA 3005A      | 1,6020B              | AM      |
| Potassium, Dissolved | 11.1    |           | mg/l  | 0.100   | 0.0309  | 1                  | 07/15/20 07:33   | 07/15/20 11:23   | EPA 3005A      | 1,6020B              | AM      |
| Selenium, Dissolved  | 0.00303 | J         | mg/l  | 0.00500 | 0.00173 | 1                  | 07/15/20 07:33   | 07/15/20 11:23   | EPA 3005A      | 1,6020B              | AM      |
| Silver, Dissolved    | ND      |           | mg/l  | 0.00040 | 0.00016 | 1                  | 07/15/20 07:33   | 07/15/20 11:23   | EPA 3005A      | 1,6020B              | AM      |
| Sodium, Dissolved    | 215.    |           | mg/l  | 0.100   | 0.0293  | 1                  | 07/15/20 07:33   | 07/15/20 11:23   | EPA 3005A      | 1,6020B              | AM      |
| Thallium, Dissolved  | ND      |           | mg/l  | 0.00050 | 0.00014 | 1                  | 07/15/20 07:33   | 07/15/20 11:23   | EPA 3005A      | 1,6020B              | AM      |
| Vanadium, Dissolved  | ND      |           | mg/l  | 0.00500 | 0.00157 | 1                  | 07/15/20 07:33   | 07/15/20 11:23   | EPA 3005A      | 1,6020B              | AM      |
| Zinc, Dissolved      | 0.00428 | J         | mg/l  | 0.01000 | 0.00341 | 1                  | 07/15/20 07:33   | 07/15/20 11:23   | EPA 3005A      | 1,6020B              | AM      |



Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## Method Blank Analysis Batch Quality Control

| Parameter                                                            | Result | Qualifier | Units | RL    | MDL   | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|----------------------------------------------------------------------|--------|-----------|-------|-------|-------|--------------------|------------------|------------------|----------------------|---------|
| Total Metals - Mansfield Lab for sample(s): 01-04 Batch: WG1391842-1 |        |           |       |       |       |                    |                  |                  |                      |         |
| Mercury, Total                                                       | ND     |           | mg/kg | 0.083 | 0.054 | 1                  | 07/15/20 09:25   | 07/15/20 10:35   | 1,7471B              | EW      |

### Prep Information

Digestion Method: EPA 7471B

| Parameter                                                            | Result | Qualifier | Units | RL    | MDL   | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|----------------------------------------------------------------------|--------|-----------|-------|-------|-------|--------------------|------------------|------------------|----------------------|---------|
| Total Metals - Mansfield Lab for sample(s): 01-04 Batch: WG1392294-1 |        |           |       |       |       |                    |                  |                  |                      |         |
| Aluminum, Total                                                      | ND     |           | mg/kg | 4.00  | 1.08  | 1                  | 07/15/20 06:50   | 07/15/20 09:24   | 1,6010D              | PE      |
| Antimony, Total                                                      | 0.244  | J         | mg/kg | 2.00  | 0.152 | 1                  | 07/15/20 06:50   | 07/15/20 09:24   | 1,6010D              | PE      |
| Arsenic, Total                                                       | ND     |           | mg/kg | 0.400 | 0.083 | 1                  | 07/15/20 06:50   | 07/15/20 09:24   | 1,6010D              | PE      |
| Barium, Total                                                        | ND     |           | mg/kg | 0.400 | 0.070 | 1                  | 07/15/20 06:50   | 07/15/20 09:24   | 1,6010D              | PE      |
| Beryllium, Total                                                     | ND     |           | mg/kg | 0.200 | 0.013 | 1                  | 07/15/20 06:50   | 07/15/20 09:24   | 1,6010D              | PE      |
| Cadmium, Total                                                       | ND     |           | mg/kg | 0.400 | 0.039 | 1                  | 07/15/20 06:50   | 07/15/20 09:24   | 1,6010D              | PE      |
| Calcium, Total                                                       | ND     |           | mg/kg | 4.00  | 1.40  | 1                  | 07/15/20 06:50   | 07/15/20 09:24   | 1,6010D              | PE      |
| Chromium, Total                                                      | 0.060  | J         | mg/kg | 0.400 | 0.038 | 1                  | 07/15/20 06:50   | 07/15/20 09:24   | 1,6010D              | PE      |
| Cobalt, Total                                                        | ND     |           | mg/kg | 0.800 | 0.066 | 1                  | 07/15/20 06:50   | 07/15/20 09:24   | 1,6010D              | PE      |
| Copper, Total                                                        | ND     |           | mg/kg | 0.400 | 0.103 | 1                  | 07/15/20 06:50   | 07/15/20 09:24   | 1,6010D              | PE      |
| Iron, Total                                                          | 1.02   | J         | mg/kg | 2.00  | 0.361 | 1                  | 07/15/20 06:50   | 07/15/20 09:24   | 1,6010D              | PE      |
| Lead, Total                                                          | ND     |           | mg/kg | 2.00  | 0.107 | 1                  | 07/15/20 06:50   | 07/15/20 09:24   | 1,6010D              | PE      |
| Magnesium, Total                                                     | ND     |           | mg/kg | 4.00  | 0.616 | 1                  | 07/15/20 06:50   | 07/15/20 09:24   | 1,6010D              | PE      |
| Manganese, Total                                                     | ND     |           | mg/kg | 0.400 | 0.064 | 1                  | 07/15/20 06:50   | 07/15/20 09:24   | 1,6010D              | PE      |
| Nickel, Total                                                        | ND     |           | mg/kg | 1.00  | 0.097 | 1                  | 07/15/20 06:50   | 07/15/20 09:24   | 1,6010D              | PE      |
| Potassium, Total                                                     | ND     |           | mg/kg | 100   | 5.76  | 1                  | 07/15/20 06:50   | 07/15/20 09:24   | 1,6010D              | PE      |
| Selenium, Total                                                      | ND     |           | mg/kg | 0.800 | 0.103 | 1                  | 07/15/20 06:50   | 07/15/20 09:24   | 1,6010D              | PE      |
| Silver, Total                                                        | ND     |           | mg/kg | 0.400 | 0.113 | 1                  | 07/15/20 06:50   | 07/15/20 09:24   | 1,6010D              | PE      |
| Sodium, Total                                                        | ND     |           | mg/kg | 80.0  | 1.26  | 1                  | 07/15/20 06:50   | 07/15/20 09:24   | 1,6010D              | PE      |
| Thallium, Total                                                      | ND     |           | mg/kg | 0.800 | 0.126 | 1                  | 07/15/20 06:50   | 07/15/20 09:24   | 1,6010D              | PE      |
| Vanadium, Total                                                      | ND     |           | mg/kg | 0.400 | 0.081 | 1                  | 07/15/20 06:50   | 07/15/20 09:24   | 1,6010D              | PE      |
| Zinc, Total                                                          | ND     |           | mg/kg | 2.00  | 0.117 | 1                  | 07/15/20 06:50   | 07/15/20 09:24   | 1,6010D              | PE      |



Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## Method Blank Analysis Batch Quality Control

### Prep Information

Digestion Method: EPA 3050B

| Parameter                                                                | Result  | Qualifier | Units | RL      | MDL     | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|--------------------------------------------------------------------------|---------|-----------|-------|---------|---------|--------------------|------------------|------------------|----------------------|---------|
| Dissolved Metals - Mansfield Lab for sample(s): 05-08 Batch: WG1392311-1 |         |           |       |         |         |                    |                  |                  |                      |         |
| Aluminum, Dissolved                                                      | ND      |           | mg/l  | 0.0100  | 0.00327 | 1                  | 07/15/20 07:33   | 07/15/20 10:44   | 1,6020B              | AM      |
| Antimony, Dissolved                                                      | ND      |           | mg/l  | 0.00400 | 0.00042 | 1                  | 07/15/20 07:33   | 07/15/20 10:44   | 1,6020B              | AM      |
| Arsenic, Dissolved                                                       | ND      |           | mg/l  | 0.00050 | 0.00016 | 1                  | 07/15/20 07:33   | 07/15/20 10:44   | 1,6020B              | AM      |
| Barium, Dissolved                                                        | ND      |           | mg/l  | 0.00050 | 0.00017 | 1                  | 07/15/20 07:33   | 07/15/20 10:44   | 1,6020B              | AM      |
| Beryllium, Dissolved                                                     | ND      |           | mg/l  | 0.00050 | 0.00010 | 1                  | 07/15/20 07:33   | 07/15/20 10:44   | 1,6020B              | AM      |
| Cadmium, Dissolved                                                       | ND      |           | mg/l  | 0.00020 | 0.00005 | 1                  | 07/15/20 07:33   | 07/15/20 10:44   | 1,6020B              | AM      |
| Calcium, Dissolved                                                       | ND      |           | mg/l  | 0.100   | 0.0394  | 1                  | 07/15/20 07:33   | 07/15/20 10:44   | 1,6020B              | AM      |
| Chromium, Dissolved                                                      | ND      |           | mg/l  | 0.00100 | 0.00017 | 1                  | 07/15/20 07:33   | 07/15/20 10:44   | 1,6020B              | AM      |
| Cobalt, Dissolved                                                        | ND      |           | mg/l  | 0.00050 | 0.00016 | 1                  | 07/15/20 07:33   | 07/15/20 10:44   | 1,6020B              | AM      |
| Copper, Dissolved                                                        | 0.00051 | J         | mg/l  | 0.00100 | 0.00038 | 1                  | 07/15/20 07:33   | 07/15/20 10:44   | 1,6020B              | AM      |
| Iron, Dissolved                                                          | ND      |           | mg/l  | 0.0500  | 0.0191  | 1                  | 07/15/20 07:33   | 07/15/20 10:44   | 1,6020B              | AM      |
| Lead, Dissolved                                                          | ND      |           | mg/l  | 0.00100 | 0.00034 | 1                  | 07/15/20 07:33   | 07/15/20 10:44   | 1,6020B              | AM      |
| Magnesium, Dissolved                                                     | ND      |           | mg/l  | 0.0700  | 0.0242  | 1                  | 07/15/20 07:33   | 07/15/20 10:44   | 1,6020B              | AM      |
| Manganese, Dissolved                                                     | ND      |           | mg/l  | 0.00100 | 0.00044 | 1                  | 07/15/20 07:33   | 07/15/20 10:44   | 1,6020B              | AM      |
| Nickel, Dissolved                                                        | ND      |           | mg/l  | 0.00200 | 0.00055 | 1                  | 07/15/20 07:33   | 07/15/20 10:44   | 1,6020B              | AM      |
| Potassium, Dissolved                                                     | ND      |           | mg/l  | 0.100   | 0.0309  | 1                  | 07/15/20 07:33   | 07/15/20 10:44   | 1,6020B              | AM      |
| Selenium, Dissolved                                                      | ND      |           | mg/l  | 0.00500 | 0.00173 | 1                  | 07/15/20 07:33   | 07/15/20 10:44   | 1,6020B              | AM      |
| Silver, Dissolved                                                        | ND      |           | mg/l  | 0.00040 | 0.00016 | 1                  | 07/15/20 07:33   | 07/15/20 10:44   | 1,6020B              | AM      |
| Sodium, Dissolved                                                        | ND      |           | mg/l  | 0.100   | 0.0293  | 1                  | 07/15/20 07:33   | 07/15/20 10:44   | 1,6020B              | AM      |
| Thallium, Dissolved                                                      | ND      |           | mg/l  | 0.00050 | 0.00014 | 1                  | 07/15/20 07:33   | 07/15/20 10:44   | 1,6020B              | AM      |
| Vanadium, Dissolved                                                      | ND      |           | mg/l  | 0.00500 | 0.00157 | 1                  | 07/15/20 07:33   | 07/15/20 10:44   | 1,6020B              | AM      |
| Zinc, Dissolved                                                          | ND      |           | mg/l  | 0.01000 | 0.00341 | 1                  | 07/15/20 07:33   | 07/15/20 10:44   | 1,6020B              | AM      |

### Prep Information

Digestion Method: EPA 3005A





Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## Method Blank Analysis Batch Quality Control

| Parameter                                                            | Result | Qualifier | Units | RL      | MDL     | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|----------------------------------------------------------------------|--------|-----------|-------|---------|---------|--------------------|------------------|------------------|----------------------|---------|
| Total Metals - Mansfield Lab for sample(s): 05-08 Batch: WG1392313-1 |        |           |       |         |         |                    |                  |                  |                      |         |
| Aluminum, Total                                                      | ND     |           | mg/l  | 0.0100  | 0.00327 | 1                  | 07/15/20 07:33   | 07/15/20 11:44   | 1,6020B              | AM      |
| Antimony, Total                                                      | ND     |           | mg/l  | 0.00400 | 0.00042 | 1                  | 07/15/20 07:33   | 07/15/20 11:44   | 1,6020B              | AM      |
| Arsenic, Total                                                       | ND     |           | mg/l  | 0.00050 | 0.00016 | 1                  | 07/15/20 07:33   | 07/15/20 11:44   | 1,6020B              | AM      |
| Barium, Total                                                        | ND     |           | mg/l  | 0.00050 | 0.00017 | 1                  | 07/15/20 07:33   | 07/15/20 11:44   | 1,6020B              | AM      |
| Beryllium, Total                                                     | ND     |           | mg/l  | 0.00050 | 0.00010 | 1                  | 07/15/20 07:33   | 07/15/20 11:44   | 1,6020B              | AM      |
| Cadmium, Total                                                       | ND     |           | mg/l  | 0.00020 | 0.00005 | 1                  | 07/15/20 07:33   | 07/15/20 11:44   | 1,6020B              | AM      |
| Calcium, Total                                                       | ND     |           | mg/l  | 0.100   | 0.0394  | 1                  | 07/15/20 07:33   | 07/15/20 11:44   | 1,6020B              | AM      |
| Chromium, Total                                                      | ND     |           | mg/l  | 0.00100 | 0.00017 | 1                  | 07/15/20 07:33   | 07/15/20 11:44   | 1,6020B              | AM      |
| Cobalt, Total                                                        | ND     |           | mg/l  | 0.00050 | 0.00016 | 1                  | 07/15/20 07:33   | 07/15/20 11:44   | 1,6020B              | AM      |
| Copper, Total                                                        | ND     |           | mg/l  | 0.00100 | 0.00038 | 1                  | 07/15/20 07:33   | 07/15/20 11:44   | 1,6020B              | AM      |
| Iron, Total                                                          | ND     |           | mg/l  | 0.0500  | 0.0191  | 1                  | 07/15/20 07:33   | 07/15/20 11:44   | 1,6020B              | AM      |
| Lead, Total                                                          | ND     |           | mg/l  | 0.00100 | 0.00034 | 1                  | 07/15/20 07:33   | 07/15/20 11:44   | 1,6020B              | AM      |
| Magnesium, Total                                                     | ND     |           | mg/l  | 0.0700  | 0.0242  | 1                  | 07/15/20 07:33   | 07/15/20 11:44   | 1,6020B              | AM      |
| Manganese, Total                                                     | ND     |           | mg/l  | 0.00100 | 0.00044 | 1                  | 07/15/20 07:33   | 07/15/20 11:44   | 1,6020B              | AM      |
| Nickel, Total                                                        | ND     |           | mg/l  | 0.00200 | 0.00055 | 1                  | 07/15/20 07:33   | 07/15/20 11:44   | 1,6020B              | AM      |
| Potassium, Total                                                     | ND     |           | mg/l  | 0.100   | 0.0309  | 1                  | 07/15/20 07:33   | 07/15/20 11:44   | 1,6020B              | AM      |
| Selenium, Total                                                      | ND     |           | mg/l  | 0.00500 | 0.00173 | 1                  | 07/15/20 07:33   | 07/15/20 11:44   | 1,6020B              | AM      |
| Silver, Total                                                        | ND     |           | mg/l  | 0.00040 | 0.00016 | 1                  | 07/15/20 07:33   | 07/15/20 11:44   | 1,6020B              | AM      |
| Sodium, Total                                                        | ND     |           | mg/l  | 0.100   | 0.0293  | 1                  | 07/15/20 07:33   | 07/15/20 11:44   | 1,6020B              | AM      |
| Thallium, Total                                                      | ND     |           | mg/l  | 0.00050 | 0.00014 | 1                  | 07/15/20 07:33   | 07/15/20 11:44   | 1,6020B              | AM      |
| Vanadium, Total                                                      | ND     |           | mg/l  | 0.00500 | 0.00157 | 1                  | 07/15/20 07:33   | 07/15/20 11:44   | 1,6020B              | AM      |
| Zinc, Total                                                          | ND     |           | mg/l  | 0.01000 | 0.00341 | 1                  | 07/15/20 07:33   | 07/15/20 11:44   | 1,6020B              | AM      |

### Prep Information

Digestion Method: EPA 3005A

| Parameter                                                                | Result | Qualifier | Units | RL      | MDL     | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|--------------------------------------------------------------------------|--------|-----------|-------|---------|---------|--------------------|------------------|------------------|----------------------|---------|
| Dissolved Metals - Mansfield Lab for sample(s): 05-08 Batch: WG1392316-1 |        |           |       |         |         |                    |                  |                  |                      |         |
| Mercury, Dissolved                                                       | ND     |           | mg/l  | 0.00020 | 0.00009 | 1                  | 07/15/20 08:38   | 07/15/20 16:53   | 1,7470A              | EW      |



Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

## Method Blank Analysis Batch Quality Control

### Prep Information

Digestion Method: EPA 7470A

| Parameter                                                            | Result Qualifier | Units | RL      | MDL     | Dilution Factor | Date Prepared  | Date Analyzed  | Analytical Method | Analyst |
|----------------------------------------------------------------------|------------------|-------|---------|---------|-----------------|----------------|----------------|-------------------|---------|
| Total Metals - Mansfield Lab for sample(s): 05-08 Batch: WG1392318-1 |                  |       |         |         |                 |                |                |                   |         |
| Mercury, Total                                                       | ND               | mg/l  | 0.00020 | 0.00009 | 1               | 07/15/20 08:38 | 07/15/20 16:39 | 1,7470A           | EW      |

### Prep Information

Digestion Method: EPA 7470A

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 20-286219.1

Project Number: 20-286219.1

Lab Number: L2029724

Report Date: 07/15/20

| Parameter                                                                                            | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD Limits |
|------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|------------|
| Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1391842-2 SRM Lot Number: D109-540 |                  |      |                   |      |                     |     |      |            |
| Mercury, Total                                                                                       | 109              |      | -                 |      | 60-140              | -   |      |            |

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** 20-286219.1

**Project Number:** 20-286219.1

**Lab Number:** L2029724

**Report Date:** 07/15/20

| Parameter                                                                                            | LCS<br>%Recovery | LCSD<br>%Recovery | %Recovery<br>Limits | RPD | RPD Limits |
|------------------------------------------------------------------------------------------------------|------------------|-------------------|---------------------|-----|------------|
| Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1392294-2 SRM Lot Number: D109-540 |                  |                   |                     |     |            |
| Aluminum, Total                                                                                      | 72               | -                 | 50-150              | -   |            |
| Antimony, Total                                                                                      | 157              | -                 | 19-250              | -   |            |
| Arsenic, Total                                                                                       | 94               | -                 | 70-130              | -   |            |
| Barium, Total                                                                                        | 95               | -                 | 75-125              | -   |            |
| Beryllium, Total                                                                                     | 89               | -                 | 75-125              | -   |            |
| Cadmium, Total                                                                                       | 88               | -                 | 75-125              | -   |            |
| Calcium, Total                                                                                       | 98               | -                 | 73-128              | -   |            |
| Chromium, Total                                                                                      | 92               | -                 | 70-130              | -   |            |
| Cobalt, Total                                                                                        | 89               | -                 | 75-125              | -   |            |
| Copper, Total                                                                                        | 97               | -                 | 75-125              | -   |            |
| Iron, Total                                                                                          | 92               | -                 | 35-165              | -   |            |
| Lead, Total                                                                                          | 92               | -                 | 72-128              | -   |            |
| Magnesium, Total                                                                                     | 81               | -                 | 62-138              | -   |            |
| Manganese, Total                                                                                     | 92               | -                 | 74-126              | -   |            |
| Nickel, Total                                                                                        | 90               | -                 | 70-130              | -   |            |
| Potassium, Total                                                                                     | 81               | -                 | 59-141              | -   |            |
| Selenium, Total                                                                                      | 95               | -                 | 68-132              | -   |            |
| Silver, Total                                                                                        | 93               | -                 | 68-131              | -   |            |
| Sodium, Total                                                                                        | 95               | -                 | 35-165              | -   |            |
| Thallium, Total                                                                                      | 97               | -                 | 68-131              | -   |            |
| Vanadium, Total                                                                                      | 97               | -                 | 59-141              | -   |            |

**Lab Control Sample Analysis**  
Batch Quality Control**Project Name:** 20-286219.1**Project Number:** 20-286219.1**Lab Number:** L2029724**Report Date:** 07/15/20

| Parameter                                                                                            | LCS<br>%Recovery | LCSD<br>%Recovery | %Recovery<br>Limits | RPD | RPD Limits |
|------------------------------------------------------------------------------------------------------|------------------|-------------------|---------------------|-----|------------|
| Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1392294-2 SRM Lot Number: D109-540 |                  |                   |                     |     |            |
| Zinc, Total                                                                                          | 86               | -                 | 70-130              | -   |            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 20-286219.1

Project Number: 20-286219.1

Lab Number: L2029724

Report Date: 07/15/20

| Parameter                                                                       | LCS<br>%Recovery | LCSD<br>%Recovery | %Recovery<br>Limits | RPD | RPD Limits |
|---------------------------------------------------------------------------------|------------------|-------------------|---------------------|-----|------------|
| Dissolved Metals - Mansfield Lab Associated sample(s): 05-08 Batch: WG1392311-2 |                  |                   |                     |     |            |
| Aluminum, Dissolved                                                             | 98               | -                 | 80-120              | -   |            |
| Antimony, Dissolved                                                             | 89               | -                 | 80-120              | -   |            |
| Arsenic, Dissolved                                                              | 98               | -                 | 80-120              | -   |            |
| Barium, Dissolved                                                               | 102              | -                 | 80-120              | -   |            |
| Beryllium, Dissolved                                                            | 112              | -                 | 80-120              | -   |            |
| Cadmium, Dissolved                                                              | 104              | -                 | 80-120              | -   |            |
| Calcium, Dissolved                                                              | 106              | -                 | 80-120              | -   |            |
| Chromium, Dissolved                                                             | 99               | -                 | 80-120              | -   |            |
| Cobalt, Dissolved                                                               | 100              | -                 | 80-120              | -   |            |
| Copper, Dissolved                                                               | 100              | -                 | 80-120              | -   |            |
| Iron, Dissolved                                                                 | 101              | -                 | 80-120              | -   |            |
| Lead, Dissolved                                                                 | 106              | -                 | 80-120              | -   |            |
| Magnesium, Dissolved                                                            | 105              | -                 | 80-120              | -   |            |
| Manganese, Dissolved                                                            | 98               | -                 | 80-120              | -   |            |
| Nickel, Dissolved                                                               | 95               | -                 | 80-120              | -   |            |
| Potassium, Dissolved                                                            | 105              | -                 | 80-120              | -   |            |
| Selenium, Dissolved                                                             | 104              | -                 | 80-120              | -   |            |
| Silver, Dissolved                                                               | 103              | -                 | 80-120              | -   |            |
| Sodium, Dissolved                                                               | 102              | -                 | 80-120              | -   |            |
| Thallium, Dissolved                                                             | 102              | -                 | 80-120              | -   |            |
| Vanadium, Dissolved                                                             | 98               | -                 | 80-120              | -   |            |

**Lab Control Sample Analysis**  
Batch Quality Control**Project Name:** 20-286219.1**Project Number:** 20-286219.1**Lab Number:** L2029724**Report Date:** 07/15/20

| Parameter                                                                       | LCS<br>%Recovery | LCSD<br>%Recovery | %Recovery<br>Limits | RPD | RPD Limits |
|---------------------------------------------------------------------------------|------------------|-------------------|---------------------|-----|------------|
| Dissolved Metals - Mansfield Lab Associated sample(s): 05-08 Batch: WG1392311-2 |                  |                   |                     |     |            |
| Zinc, Dissolved                                                                 | 105              | -                 | 80-120              | -   |            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 20-286219.1

Project Number: 20-286219.1

Lab Number: L2029724

Report Date: 07/15/20

| Parameter                                                                   | LCS<br>%Recovery | LCSD<br>%Recovery | %Recovery<br>Limits | RPD | RPD Limits |
|-----------------------------------------------------------------------------|------------------|-------------------|---------------------|-----|------------|
| Total Metals - Mansfield Lab Associated sample(s): 05-08 Batch: WG1392313-2 |                  |                   |                     |     |            |
| Aluminum, Total                                                             | 98               | -                 | 80-120              | -   |            |
| Antimony, Total                                                             | 91               | -                 | 80-120              | -   |            |
| Arsenic, Total                                                              | 98               | -                 | 80-120              | -   |            |
| Barium, Total                                                               | 100              | -                 | 80-120              | -   |            |
| Beryllium, Total                                                            | 113              | -                 | 80-120              | -   |            |
| Cadmium, Total                                                              | 101              | -                 | 80-120              | -   |            |
| Calcium, Total                                                              | 100              | -                 | 80-120              | -   |            |
| Chromium, Total                                                             | 98               | -                 | 80-120              | -   |            |
| Cobalt, Total                                                               | 98               | -                 | 80-120              | -   |            |
| Copper, Total                                                               | 100              | -                 | 80-120              | -   |            |
| Iron, Total                                                                 | 97               | -                 | 80-120              | -   |            |
| Lead, Total                                                                 | 106              | -                 | 80-120              | -   |            |
| Magnesium, Total                                                            | 102              | -                 | 80-120              | -   |            |
| Manganese, Total                                                            | 96               | -                 | 80-120              | -   |            |
| Nickel, Total                                                               | 92               | -                 | 80-120              | -   |            |
| Potassium, Total                                                            | 101              | -                 | 80-120              | -   |            |
| Selenium, Total                                                             | 99               | -                 | 80-120              | -   |            |
| Silver, Total                                                               | 102              | -                 | 80-120              | -   |            |
| Sodium, Total                                                               | 100              | -                 | 80-120              | -   |            |
| Thallium, Total                                                             | 101              | -                 | 80-120              | -   |            |
| Vanadium, Total                                                             | 98               | -                 | 80-120              | -   |            |



## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 20-286219.1

**Project Number:** 20-286219.1

**Lab Number:** L2029724

**Report Date:** 07/15/20

| Parameter                                                                       | LCS<br>%Recovery | LCSD<br>%Recovery | %Recovery<br>Limits | RPD | RPD Limits |
|---------------------------------------------------------------------------------|------------------|-------------------|---------------------|-----|------------|
| Total Metals - Mansfield Lab Associated sample(s): 05-08 Batch: WG1392313-2     |                  |                   |                     |     |            |
| Zinc, Total                                                                     | 103              | -                 | 80-120              | -   |            |
| Dissolved Metals - Mansfield Lab Associated sample(s): 05-08 Batch: WG1392316-2 |                  |                   |                     |     |            |
| Mercury, Dissolved                                                              | 92               | -                 | 80-120              | -   |            |
| Total Metals - Mansfield Lab Associated sample(s): 05-08 Batch: WG1392318-2     |                  |                   |                     |     |            |
| Mercury, Total                                                                  | 92               | -                 | 80-120              | -   |            |

# Matrix Spike Analysis

## Batch Quality Control

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

| Parameter                                                                                                                        | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|----------------------------------------------------------------------------------------------------------------------------------|---------------|----------|----------|--------------|------|-----------|---------------|------|-----------------|-----|------|------------|
| Total Metals - Mansfield Lab Associated sample(s): 01-04    QC Batch ID: WG1391842-3    QC Sample: L2029724-01    Client ID: B-1 |               |          |          |              |      |           |               |      |                 |     |      |            |
| Mercury, Total                                                                                                                   | ND            | 0.131    | 0.137    | 104          |      | -         | -             |      | 80-120          | -   |      | 20         |

# Matrix Spike Analysis

## Batch Quality Control

Project Name: 20-286219.1

Project Number: 20-286219.1

Lab Number: L2029724

Report Date: 07/15/20

| Parameter                                                                                                                              | Native Sample | MS Added | MS Found | MS %Recovery | MSD Found | MSD %Recovery | Recovery Limits | RPD | RPD Limits |
|----------------------------------------------------------------------------------------------------------------------------------------|---------------|----------|----------|--------------|-----------|---------------|-----------------|-----|------------|
| Total Metals - Mansfield Lab Associated sample(s): 01-04    QC Batch ID: WG1392294-3    QC Sample: L2029683-01    Client ID: MS Sample |               |          |          |              |           |               |                 |     |            |
| Aluminum, Total                                                                                                                        | 4090          | 178      | 4940     | 476          | Q         | -             | 75-125          | -   | 20         |
| Antimony, Total                                                                                                                        | 0.618J        | 44.6     | 30.2     | 68           | Q         | -             | 75-125          | -   | 20         |
| Arsenic, Total                                                                                                                         | 5.08          | 10.7     | 12.2     | 66           | Q         | -             | 75-125          | -   | 20         |
| Barium, Total                                                                                                                          | 14.4          | 178      | 147      | 74           | Q         | -             | 75-125          | -   | 20         |
| Beryllium, Total                                                                                                                       | 0.436         | 4.46     | 3.42     | 67           | Q         | -             | 75-125          | -   | 20         |
| Cadmium, Total                                                                                                                         | ND            | 4.55     | 3.05     | 67           | Q         | -             | 75-125          | -   | 20         |
| Calcium, Total                                                                                                                         | 294           | 893      | 995      | 78           |           | -             | 75-125          | -   | 20         |
| Chromium, Total                                                                                                                        | 11.1          | 17.8     | 26.5     | 86           |           | -             | 75-125          | -   | 20         |
| Cobalt, Total                                                                                                                          | 6.10          | 44.6     | 33.5     | 61           | Q         | -             | 75-125          | -   | 20         |
| Copper, Total                                                                                                                          | 4.12          | 22.3     | 20.9     | 75           |           | -             | 75-125          | -   | 20         |
| Iron, Total                                                                                                                            | 11800         | 89.3     | 11800    | 0            | Q         | -             | 75-125          | -   | 20         |
| Lead, Total                                                                                                                            | 3.38          | 45.5     | 36.1     | 72           | Q         | -             | 75-125          | -   | 20         |
| Magnesium, Total                                                                                                                       | 846           | 893      | 1600     | 84           |           | -             | 75-125          | -   | 20         |
| Manganese, Total                                                                                                                       | 107           | 44.6     | 102      | 0            | Q         | -             | 75-125          | -   | 20         |
| Nickel, Total                                                                                                                          | 6.97          | 44.6     | 34.7     | 62           | Q         | -             | 75-125          | -   | 20         |
| Potassium, Total                                                                                                                       | 794           | 893      | 1600     | 90           |           | -             | 75-125          | -   | 20         |
| Selenium, Total                                                                                                                        | ND            | 10.7     | 7.05     | 66           | Q         | -             | 75-125          | -   | 20         |
| Silver, Total                                                                                                                          | ND            | 26.8     | 18.3     | 68           | Q         | -             | 75-125          | -   | 20         |
| Sodium, Total                                                                                                                          | 17.4J         | 893      | 656      | 73           | Q         | -             | 75-125          | -   | 20         |
| Thallium, Total                                                                                                                        | ND            | 10.7     | 7.55     | 70           | Q         | -             | 75-125          | -   | 20         |
| Vanadium, Total                                                                                                                        | 16.7          | 44.6     | 50.2     | 75           |           | -             | 75-125          | -   | 20         |

# Matrix Spike Analysis

## Batch Quality Control

Project Name: 20-286219.1

Lab Number: L2029724

Project Number: 20-286219.1

Report Date: 07/15/20

| Parameter                                                                                                                              | Native Sample | MS Added | MS Found | MS %Recovery | MSD Found | MSD %Recovery | Recovery Limits | RPD    | RPD Limits |
|----------------------------------------------------------------------------------------------------------------------------------------|---------------|----------|----------|--------------|-----------|---------------|-----------------|--------|------------|
| Total Metals - Mansfield Lab Associated sample(s): 01-04    QC Batch ID: WG1392294-3    QC Sample: L2029683-01    Client ID: MS Sample |               |          |          |              |           |               |                 |        |            |
| Zinc, Total                                                                                                                            | 28.8          | 44.6     | 56.4     | 62           | Q         | -             | -               | 75-125 | - 20       |

# Matrix Spike Analysis

## Batch Quality Control

Project Name: 20-286219.1

Project Number: 20-286219.1

Lab Number: L2029724

Report Date: 07/15/20

| Parameter                                                                                                                     | Native Sample | MS Added | MS Found | MS %Recovery | MSD Found | MSD %Recovery | Recovery Limits | RPD | RPD Limits |
|-------------------------------------------------------------------------------------------------------------------------------|---------------|----------|----------|--------------|-----------|---------------|-----------------|-----|------------|
| Dissolved Metals - Mansfield Lab Associated sample(s): 05-08 QC Batch ID: WG1392311-3 QC Sample: L2029724-07 Client ID: B-3GW |               |          |          |              |           |               |                 |     |            |
| Aluminum, Dissolved                                                                                                           | ND            | 2        | 1.92     | 96           | -         | -             | 75-125          | -   | 20         |
| Antimony, Dissolved                                                                                                           | 0.00089J      | 0.5      | 0.5900   | 118          | -         | -             | 75-125          | -   | 20         |
| Arsenic, Dissolved                                                                                                            | 0.00025J      | 0.12     | 0.1239   | 103          | -         | -             | 75-125          | -   | 20         |
| Barium, Dissolved                                                                                                             | 0.02419       | 2        | 2.013    | 99           | -         | -             | 75-125          | -   | 20         |
| Beryllium, Dissolved                                                                                                          | ND            | 0.05     | 0.05856  | 117          | -         | -             | 75-125          | -   | 20         |
| Cadmium, Dissolved                                                                                                            | ND            | 0.051    | 0.05221  | 102          | -         | -             | 75-125          | -   | 20         |
| Calcium, Dissolved                                                                                                            | 65.8          | 10       | 70.9     | 51           | Q         | -             | 75-125          | -   | 20         |
| Chromium, Dissolved                                                                                                           | ND            | 0.2      | 0.1883   | 94           | -         | -             | 75-125          | -   | 20         |
| Cobalt, Dissolved                                                                                                             | 0.03294       | 0.5      | 0.5110   | 96           | -         | -             | 75-125          | -   | 20         |
| Copper, Dissolved                                                                                                             | 0.00052J      | 0.25     | 0.2398   | 96           | -         | -             | 75-125          | -   | 20         |
| Iron, Dissolved                                                                                                               | 5.37          | 1        | 6.01     | 64           | Q         | -             | 75-125          | -   | 20         |
| Lead, Dissolved                                                                                                               | ND            | 0.51     | 0.5276   | 103          | -         | -             | 75-125          | -   | 20         |
| Magnesium, Dissolved                                                                                                          | 6.20          | 10       | 16.1     | 99           | -         | -             | 75-125          | -   | 20         |
| Manganese, Dissolved                                                                                                          | 0.8764        | 0.5      | 1.312    | 87           | -         | -             | 75-125          | -   | 20         |
| Nickel, Dissolved                                                                                                             | 0.01709       | 0.5      | 0.4634   | 89           | -         | -             | 75-125          | -   | 20         |
| Potassium, Dissolved                                                                                                          | 6.04          | 10       | 15.7     | 97           | -         | -             | 75-125          | -   | 20         |
| Selenium, Dissolved                                                                                                           | ND            | 0.12     | 0.116    | 97           | -         | -             | 75-125          | -   | 20         |
| Silver, Dissolved                                                                                                             | ND            | 0.05     | 0.05063  | 101          | -         | -             | 75-125          | -   | 20         |
| Sodium, Dissolved                                                                                                             | 77.6          | 10       | 66.0     | 0            | Q         | -             | 75-125          | -   | 20         |
| Thallium, Dissolved                                                                                                           | ND            | 0.12     | 0.1204   | 100          | -         | -             | 75-125          | -   | 20         |
| Vanadium, Dissolved                                                                                                           | ND            | 0.5      | 0.4837   | 97           | -         | -             | 75-125          | -   | 20         |

**Matrix Spike Analysis**  
**Batch Quality Control****Project Name:** 20-286219.1**Project Number:** 20-286219.1**Lab Number:** L2029724**Report Date:** 07/15/20

| Parameter                                                                                                                     | Native Sample | MS Added | MS Found | MS %Recovery | MSD Found | MSD %Recovery | Recovery Limits | RPD | RPD Limits |
|-------------------------------------------------------------------------------------------------------------------------------|---------------|----------|----------|--------------|-----------|---------------|-----------------|-----|------------|
| Dissolved Metals - Mansfield Lab Associated sample(s): 05-08 QC Batch ID: WG1392311-3 QC Sample: L2029724-07 Client ID: B-3GW |               |          |          |              |           |               |                 |     |            |
| Zinc, Dissolved                                                                                                               | 0.00453J      | 0.5      | 0.5072   | 101          | -         | -             | 75-125          | -   | 20         |

# Matrix Spike Analysis

## Batch Quality Control

Project Name: 20-286219.1

Project Number: 20-286219.1

Lab Number: L2029724

Report Date: 07/15/20

| Parameter                                                | Native Sample | MS Added | MS Found                 | MS %Recovery | MSD Found              | MSD %Recovery | Recovery Limits  | RPD | RPD Limits |
|----------------------------------------------------------|---------------|----------|--------------------------|--------------|------------------------|---------------|------------------|-----|------------|
| Total Metals - Mansfield Lab Associated sample(s): 05-08 |               |          | QC Batch ID: WG1392313-3 |              | QC Sample: L2029724-05 |               | Client ID: B-1GW |     |            |
| Aluminum, Total                                          | 24.4          | 2        | 29.7                     | 265          | Q                      | -             | 75-125           | -   | 20         |
| Antimony, Total                                          | 0.00087J      | 0.5      | 0.3964                   | 79           |                        | -             | 75-125           | -   | 20         |
| Arsenic, Total                                           | 0.02221       | 0.12     | 0.1399                   | 98           |                        | -             | 75-125           | -   | 20         |
| Barium, Total                                            | 0.6390        | 2        | 2.806                    | 108          |                        | -             | 75-125           | -   | 20         |
| Beryllium, Total                                         | 0.00524       | 0.05     | 0.06850                  | 126          | Q                      | -             | 75-125           | -   | 20         |
| Cadmium, Total                                           | 0.00074       | 0.051    | 0.05694                  | 110          |                        | -             | 75-125           | -   | 20         |
| Calcium, Total                                           | 14.3          | 10       | 25.1                     | 108          |                        | -             | 75-125           | -   | 20         |
| Chromium, Total                                          | 1.605         | 0.2      | 1.763                    | 79           |                        | -             | 75-125           | -   | 20         |
| Cobalt, Total                                            | 0.03973       | 0.5      | 0.5618                   | 104          |                        | -             | 75-125           | -   | 20         |
| Copper, Total                                            | 0.07420       | 0.25     | 0.3400                   | 106          |                        | -             | 75-125           | -   | 20         |
| Iron, Total                                              | 150.          | 1        | 116                      | 0            | Q                      | -             | 75-125           | -   | 20         |
| Lead, Total                                              | 0.6725        | 0.51     | 1.051                    | 74           | Q                      | -             | 75-125           | -   | 20         |
| Magnesium, Total                                         | 2.92          | 10       | 13.6                     | 107          |                        | -             | 75-125           | -   | 20         |
| Manganese, Total                                         | 0.8649        | 0.5      | 1.426                    | 112          |                        | -             | 75-125           | -   | 20         |
| Nickel, Total                                            | 0.1867        | 0.5      | 0.6960                   | 102          |                        | -             | 75-125           | -   | 20         |
| Potassium, Total                                         | 4.40          | 10       | 14.8                     | 104          |                        | -             | 75-125           | -   | 20         |
| Selenium, Total                                          | 0.0162        | 0.12     | 0.110                    | 78           |                        | -             | 75-125           | -   | 20         |
| Silver, Total                                            | ND            | 0.05     | 0.05305                  | 106          |                        | -             | 75-125           | -   | 20         |
| Sodium, Total                                            | 15.0          | 10       | 22.2                     | 72           | Q                      | -             | 75-125           | -   | 20         |
| Thallium, Total                                          | 0.00038J      | 0.12     | 0.1259                   | 105          |                        | -             | 75-125           | -   | 20         |
| Vanadium, Total                                          | 0.1682        | 0.5      | 0.6849                   | 103          |                        | -             | 75-125           | -   | 20         |

# **Matrix Spike Analysis** **Batch Quality Control**

**Project Name:** 20-286219.1

**Lab Number:** L2029724

**Project Number:** 20-286219.1

**Report Date:** 07/15/20

| Parameter                                                                                                                              | Native Sample | MS Added | MS Found | MS %Recovery | MSD Found | MSD %Recovery | Recovery Limits | RPD | RPD Limits |
|----------------------------------------------------------------------------------------------------------------------------------------|---------------|----------|----------|--------------|-----------|---------------|-----------------|-----|------------|
| Total Metals - Mansfield Lab Associated sample(s): 05-08    QC Batch ID: WG1392313-3    QC Sample: L2029724-05    Client ID: B-1GW     |               |          |          |              |           |               |                 |     |            |
| Zinc, Total                                                                                                                            | 0.1659        | 0.5      | 0.7139   | 110          | -         | -             | 75-125          | -   | 20         |
| Dissolved Metals - Mansfield Lab Associated sample(s): 05-08    QC Batch ID: WG1392316-3    QC Sample: L2029724-07    Client ID: B-3GW |               |          |          |              |           |               |                 |     |            |
| Mercury, Dissolved                                                                                                                     | ND            | 0.005    | 0.00550  | 110          | -         | -             | 75-125          | -   | 20         |
| Total Metals - Mansfield Lab Associated sample(s): 05-08    QC Batch ID: WG1392318-3    QC Sample: L2029724-06    Client ID: B-2GW     |               |          |          |              |           |               |                 |     |            |
| Mercury, Total                                                                                                                         | 0.00236       | 0.005    | 0.00732  | 99           | -         | -             | 75-125          | -   | 20         |



# Lab Duplicate Analysis

Batch Quality Control

Project Name: 20-286219.1

Project Number: 20-286219.1

Lab Number: L2029724

Report Date: 07/15/20

| Parameter                                                                                                                      | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|--------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------|------------|
| Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1391842-4 QC Sample: L2029724-01 Client ID: B-1        |               |                  |       |     |      |            |
| Mercury, Total                                                                                                                 | ND            | ND               | mg/kg | NC  |      | 20         |
| Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1392294-4 QC Sample: L2029683-01 Client ID: DUP Sample |               |                  |       |     |      |            |
| Arsenic, Total                                                                                                                 | 5.08          | 5.17             | mg/kg | 2   |      | 20         |
| Chromium, Total                                                                                                                | 11.1          | 14.2             | mg/kg | 25  | Q    | 20         |
| Copper, Total                                                                                                                  | 4.12          | 4.68             | mg/kg | 13  |      | 20         |

# **Lab Duplicate Analysis** *Batch Quality Control*

**Project Name:** 20-286219.1

**Project Number:** 20-286219.1

**Lab Number:** L2029724

**Report Date:** 07/15/20

| Parameter                                                                                                                     | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|-------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------------|
| Dissolved Metals - Mansfield Lab Associated sample(s): 05-08 QC Batch ID: WG1392311-4 QC Sample: L2029724-07 Client ID: B-3GW |               |                  |       |     |            |
| Aluminum, Dissolved                                                                                                           | ND            | 0.00428J         | mg/l  | NC  | 20         |
| Antimony, Dissolved                                                                                                           | 0.00089J      | 0.00213J         | mg/l  | NC  | 20         |
| Arsenic, Dissolved                                                                                                            | 0.00025J      | 0.00027J         | mg/l  | NC  | 20         |
| Barium, Dissolved                                                                                                             | 0.02419       | 0.02432          | mg/l  | 1   | 20         |
| Beryllium, Dissolved                                                                                                          | ND            | ND               | mg/l  | NC  | 20         |
| Cadmium, Dissolved                                                                                                            | ND            | ND               | mg/l  | NC  | 20         |
| Calcium, Dissolved                                                                                                            | 65.8          | 65.1             | mg/l  | 1   | 20         |
| Chromium, Dissolved                                                                                                           | ND            | ND               | mg/l  | NC  | 20         |
| Cobalt, Dissolved                                                                                                             | 0.03294       | 0.03303          | mg/l  | 0   | 20         |
| Copper, Dissolved                                                                                                             | 0.00052J      | 0.00047J         | mg/l  | NC  | 20         |
| Iron, Dissolved                                                                                                               | 5.37          | 5.37             | mg/l  | 0   | 20         |
| Lead, Dissolved                                                                                                               | ND            | ND               | mg/l  | NC  | 20         |
| Magnesium, Dissolved                                                                                                          | 6.20          | 6.16             | mg/l  | 1   | 20         |
| Manganese, Dissolved                                                                                                          | 0.8764        | 0.8730           | mg/l  | 0   | 20         |
| Nickel, Dissolved                                                                                                             | 0.01709       | 0.01726          | mg/l  | 1   | 20         |
| Potassium, Dissolved                                                                                                          | 6.04          | 5.94             | mg/l  | 2   | 20         |
| Selenium, Dissolved                                                                                                           | ND            | ND               | mg/l  | NC  | 20         |
| Silver, Dissolved                                                                                                             | ND            | ND               | mg/l  | NC  | 20         |
| Sodium, Dissolved                                                                                                             | 77.6          | 77.5             | mg/l  | 0   | 20         |

# Lab Duplicate Analysis

*Batch Quality Control*

Project Name: 20-286219.1

Project Number: 20-286219.1

Lab Number: L2029724

Report Date: 07/15/20

| Parameter                                                                                                                     | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|-------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------------|
| Dissolved Metals - Mansfield Lab Associated sample(s): 05-08 QC Batch ID: WG1392311-4 QC Sample: L2029724-07 Client ID: B-3GW |               |                  |       |     |            |
| Thallium, Dissolved                                                                                                           | ND            | 0.00030J         | mg/l  | NC  | 20         |
| Vanadium, Dissolved                                                                                                           | ND            | ND               | mg/l  | NC  | 20         |
| Zinc, Dissolved                                                                                                               | 0.00453J      | ND               | mg/l  | NC  | 20         |

# **Lab Duplicate Analysis** *Batch Quality Control*

**Project Name:** 20-286219.1

**Project Number:** 20-286219.1

**Lab Number:** L2029724

**Report Date:** 07/15/20

| Parameter                                                                                                                 | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|---------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------------|
| Total Metals - Mansfield Lab Associated sample(s): 05-08 QC Batch ID: WG1392313-4 QC Sample: L2029724-05 Client ID: B-1GW |               |                  |       |     |            |
| Aluminum, Total                                                                                                           | 24.4          | 25.6             | mg/l  | 5   | 20         |
| Antimony, Total                                                                                                           | 0.00087J      | 0.00198J         | mg/l  | NC  | 20         |
| Arsenic, Total                                                                                                            | 0.02221       | 0.02328          | mg/l  | 5   | 20         |
| Barium, Total                                                                                                             | 0.6390        | 0.6628           | mg/l  | 4   | 20         |
| Beryllium, Total                                                                                                          | 0.00524       | 0.00550          | mg/l  | 5   | 20         |
| Cadmium, Total                                                                                                            | 0.00074       | 0.00078          | mg/l  | 5   | 20         |
| Calcium, Total                                                                                                            | 14.3          | 14.6             | mg/l  | 2   | 20         |
| Chromium, Total                                                                                                           | 1.605         | 1.656            | mg/l  | 3   | 20         |
| Cobalt, Total                                                                                                             | 0.03973       | 0.04208          | mg/l  | 6   | 20         |
| Copper, Total                                                                                                             | 0.07420       | 0.07905          | mg/l  | 6   | 20         |
| Iron, Total                                                                                                               | 150.          | 155              | mg/l  | 3   | 20         |
| Lead, Total                                                                                                               | 0.6725        | 0.7373           | mg/l  | 9   | 20         |
| Magnesium, Total                                                                                                          | 2.92          | 3.02             | mg/l  | 3   | 20         |
| Manganese, Total                                                                                                          | 0.8649        | 0.8944           | mg/l  | 3   | 20         |
| Nickel, Total                                                                                                             | 0.1867        | 0.1944           | mg/l  | 4   | 20         |
| Potassium, Total                                                                                                          | 4.40          | 4.70             | mg/l  | 7   | 20         |
| Selenium, Total                                                                                                           | 0.0162        | 0.0174           | mg/l  | 7   | 20         |
| Silver, Total                                                                                                             | ND            | ND               | mg/l  | NC  | 20         |
| Sodium, Total                                                                                                             | 15.0          | 15.6             | mg/l  | 4   | 20         |

# **Lab Duplicate Analysis** *Batch Quality Control*

**Project Name:** 20-286219.1

**Project Number:** 20-286219.1

**Lab Number:** L2029724

**Report Date:** 07/15/20

| Parameter                                                                                                                     | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|-------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------------|
| Total Metals - Mansfield Lab Associated sample(s): 05-08 QC Batch ID: WG1392313-4 QC Sample: L2029724-05 Client ID: B-1GW     |               |                  |       |     |            |
| Thallium, Total                                                                                                               | 0.00038J      | 0.00063          | mg/l  | NC  | 20         |
| Vanadium, Total                                                                                                               | 0.1682        | 0.1735           | mg/l  | 3   | 20         |
| Zinc, Total                                                                                                                   | 0.1659        | 0.1771           | mg/l  | 7   | 20         |
| Dissolved Metals - Mansfield Lab Associated sample(s): 05-08 QC Batch ID: WG1392316-4 QC Sample: L2029724-07 Client ID: B-3GW |               |                  |       |     |            |
| Mercury, Dissolved                                                                                                            | ND            | ND               | mg/l  | NC  | 20         |
| Total Metals - Mansfield Lab Associated sample(s): 05-08 QC Batch ID: WG1392318-4 QC Sample: L2029724-06 Client ID: B-2GW     |               |                  |       |     |            |
| Mercury, Total                                                                                                                | 0.00236       | 0.00250          | mg/l  | 6   | 20         |

# **INORGANICS & MISCELLANEOUS**

Project Name: 20-286219.1

Project Number: 20-286219.1

Lab Number: L2029724

Report Date: 07/15/20

**SAMPLE RESULTS**

Lab ID: L2029724-01

Client ID: B-1

Sample Location: 10-16 BEACH 19TH STREET, QUEENS, NY, 11691

Date Collected: 07/14/20 09:30

Date Received: 07/14/20

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 95.8   |           | %     | 0.100 | NA  | 1                  | -                | 07/15/20 05:21   | 121,2540G            | PR      |



**Project Name:** 20-286219.1**Project Number:** 20-286219.1**Lab Number:** L2029724**Report Date:** 07/15/20**SAMPLE RESULTS****Lab ID:** L2029724-02**Client ID:** B-2**Sample Location:** 10-16 BEACH 19TH STREET, QUEENS, NY, 11691**Date Collected:** 07/14/20 11:00**Date Received:** 07/14/20**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 96.8   |           | %     | 0.100 | NA  | 1                  | -                | 07/15/20 05:21   | 121,2540G            | PR      |





**Project Name:** 20-286219.1**Project Number:** 20-286219.1**Lab Number:** L2029724**Report Date:** 07/15/20**SAMPLE RESULTS****Lab ID:** L2029724-03**Client ID:** B-3**Sample Location:** 10-16 BEACH 19TH STREET, QUEENS, NY, 11691**Date Collected:** 07/14/20 12:00**Date Received:** 07/14/20**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 93.1   |           | %     | 0.100 | NA  | 1                  | -                | 07/15/20 05:57   | 121,2540G            | PR      |



**Project Name:** 20-286219.1**Project Number:** 20-286219.1**Lab Number:** L2029724**Report Date:** 07/15/20**SAMPLE RESULTS****Lab ID:** L2029724-04**Client ID:** B-4**Sample Location:** 10-16 BEACH 19TH STREET, QUEENS, NY, 11691**Date Collected:** 07/14/20 12:55**Date Received:** 07/14/20**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 97.7   |           | %     | 0.100 | NA  | 1                  | -                | 07/15/20 06:11   | 121,2540G            | PR      |



# **Lab Duplicate Analysis** *Batch Quality Control*

Project Name: 20-286219.1

Project Number: 20-286219.1

Lab Number: L2029724

Report Date: 07/15/20

| Parameter                                                                                                                             | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------|------------|
| General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1392282-1 QC Sample: L2029712-01 Client ID: DUP Sample |               |                  |       |     |      |            |
| Solids, Total                                                                                                                         | 79.8          | 79.0             | %     | 1   |      | 20         |
| General Chemistry - Westborough Lab Associated sample(s): 03 QC Batch ID: WG1392289-1 QC Sample: L2029671-14 Client ID: DUP Sample    |               |                  |       |     |      |            |
| Solids, Total                                                                                                                         | 91.4          | 91.7             | %     | 0   |      | 20         |
| General Chemistry - Westborough Lab Associated sample(s): 04 QC Batch ID: WG1392292-1 QC Sample: L2029724-04 Client ID: B-4           |               |                  |       |     |      |            |
| Solids, Total                                                                                                                         | 97.7          | 97.7             | %     | 0   |      | 20         |

**Project Name:** 20-286219.1**Lab Number:** L2029724**Project Number:** 20-286219.1**Report Date:** 07/15/20**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

**Cooler Information**

| Cooler | Custody Seal |
|--------|--------------|
| A      | Absent       |
| B      | Absent       |

**Container Information**

| Container ID | Container Type                         | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal   | Frozen Date/Time | Analysis(*)                                                                                                                                                                                                                                              |
|--------------|----------------------------------------|--------|------------|----------|------------|------|--------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L2029724-01A | Vial MeOH preserved                    | A      | NA         |          | 4.3        | Y    | Absent |                  | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L2029724-01B | Vial water preserved                   | A      | NA         |          | 4.3        | Y    | Absent | 15-JUL-20 03:27  | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L2029724-01C | Vial water preserved                   | A      | NA         |          | 4.3        | Y    | Absent | 15-JUL-20 03:27  | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L2029724-01D | Plastic 2oz unpreserved for TS         | A      | NA         |          | 4.3        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                    |
| L2029724-01E | Metals Only-Glass 60mL/2oz unpreserved | A      | NA         |          | 4.3        | Y    | Absent |                  | BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),NI-Ti(180),TL-Ti(180),AL-Ti(180),CR-Ti(180),SE-Ti(180),ZN-Ti(180),CU-Ti(180),SB-Ti(180),PB-Ti(180),V-Ti(180),CO-Ti(180),FE-Ti(180),MN-Ti(180),HG-T(28),MG-Ti(180),CD-Ti(180),K-Ti(180),CA-Ti(180),NA-Ti(180) |
| L2029724-01F | Glass 250ml/8oz unpreserved            | A      | NA         |          | 4.3        | Y    | Absent |                  | NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)                                                                                                                                                                                                             |
| L2029724-02A | Vial MeOH preserved                    | A      | NA         |          | 4.3        | Y    | Absent |                  | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L2029724-02B | Vial water preserved                   | A      | NA         |          | 4.3        | Y    | Absent | 15-JUL-20 03:27  | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L2029724-02C | Vial water preserved                   | A      | NA         |          | 4.3        | Y    | Absent | 15-JUL-20 03:27  | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L2029724-02D | Plastic 2oz unpreserved for TS         | A      | NA         |          | 4.3        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                    |
| L2029724-02E | Metals Only-Glass 60mL/2oz unpreserved | A      | NA         |          | 4.3        | Y    | Absent |                  | BE-Ti(180),BA-Ti(180),AS-Ti(180),AG-Ti(180),NI-Ti(180),TL-Ti(180),AL-Ti(180),CR-Ti(180),CU-Ti(180),ZN-Ti(180),SB-Ti(180),PB-Ti(180),SE-Ti(180),V-Ti(180),CO-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),K-Ti(180),NA-Ti(180),CD-Ti(180),CA-Ti(180) |
| L2029724-02F | Glass 250ml/8oz unpreserved            | A      | NA         |          | 4.3        | Y    | Absent |                  | NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)                                                                                                                                                                                                             |
| L2029724-03A | Vial MeOH preserved                    | A      | NA         |          | 4.3        | Y    | Absent |                  | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L2029724-03B | Vial water preserved                   | A      | NA         |          | 4.3        | Y    | Absent | 15-JUL-20 03:27  | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L2029724-03C | Vial water preserved                   | A      | NA         |          | 4.3        | Y    | Absent | 15-JUL-20 03:27  | NYTCL-8260HLW(14)                                                                                                                                                                                                                                        |
| L2029724-03D | Plastic 2oz unpreserved for TS         | A      | NA         |          | 4.3        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                    |

**Project Name:** 20-286219.1**Lab Number:** L2029724**Project Number:** 20-286219.1**Report Date:** 07/15/20**Container Information**

| <b>Container ID</b> | <b>Container Type</b>                  | <b>Cooler</b> | <b>Initial pH</b> | <b>Final pH</b> | <b>Temp deg C</b> | <b>Pres</b> | <b>Seal</b> | <b>Frozen Date/Time</b> | <b>Analysis(*)</b>                                                                                                                                                                                                                                                                                                         |
|---------------------|----------------------------------------|---------------|-------------------|-----------------|-------------------|-------------|-------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L2029724-03E        | Metals Only-Glass 60mL/2oz unpreserved | A             | NA                |                 | 4.3               | Y           | Absent      |                         | BE-Ti(180),BA-Ti(180),AS-Ti(180),AG-Ti(180),NI-Ti(180),AL-Ti(180),CR-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),ZN-Ti(180),SE-Ti(180),V-Ti(180),CO-Ti(180),FE-Ti(180),MG-Ti(180),HG-T(28),MN-Ti(180),NA-Ti(180),K-Ti(180),CA-Ti(180),CD-Ti(180)                                                                   |
| L2029724-03F        | Glass 250ml/8oz unpreserved            | A             | NA                |                 | 4.3               | Y           | Absent      |                         | NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)                                                                                                                                                                                                                                                                               |
| L2029724-04A        | Vial MeOH preserved                    | A             | NA                |                 | 4.3               | Y           | Absent      |                         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                                                                                          |
| L2029724-04B        | Vial water preserved                   | A             | NA                |                 | 4.3               | Y           | Absent      | 15-JUL-20 03:27         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                                                                                          |
| L2029724-04C        | Vial water preserved                   | A             | NA                |                 | 4.3               | Y           | Absent      | 15-JUL-20 03:27         | NYTCL-8260HLW(14)                                                                                                                                                                                                                                                                                                          |
| L2029724-04D        | Plastic 2oz unpreserved for TS         | A             | NA                |                 | 4.3               | Y           | Absent      |                         | TS(7)                                                                                                                                                                                                                                                                                                                      |
| L2029724-04E        | Metals Only-Glass 60mL/2oz unpreserved | A             | NA                |                 | 4.3               | Y           | Absent      |                         | BE-Ti(180),BA-Ti(180),AS-Ti(180),AG-Ti(180),NI-Ti(180),CR-Ti(180),AL-Ti(180),TL-Ti(180),PB-Ti(180),SB-Ti(180),CU-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),MN-Ti(180),MG-Ti(180),HG-T(28),NA-Ti(180),CD-Ti(180),K-Ti(180),CA-Ti(180)                                                                   |
| L2029724-04F        | Glass 250ml/8oz unpreserved            | A             | NA                |                 | 4.3               | Y           | Absent      |                         | NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)                                                                                                                                                                                                                                                                               |
| L2029724-05A        | Vial HCl preserved                     | A             | NA                |                 | 4.3               | Y           | Absent      |                         | NYTCL-8260(14)                                                                                                                                                                                                                                                                                                             |
| L2029724-05B        | Vial HCl preserved                     | A             | NA                |                 | 4.3               | Y           | Absent      |                         | NYTCL-8260(14)                                                                                                                                                                                                                                                                                                             |
| L2029724-05C        | Vial HCl preserved                     | A             | NA                |                 | 4.3               | Y           | Absent      |                         | NYTCL-8260(14)                                                                                                                                                                                                                                                                                                             |
| L2029724-05D        | Plastic 250ml unpreserved              | A             | 7                 | 7               | 4.3               | Y           | Absent      |                         | -                                                                                                                                                                                                                                                                                                                          |
| L2029724-05E        | Plastic 250ml HNO3 preserved           | A             | <2                | <2              | 4.3               | Y           | Absent      |                         | FE-6020T(180),SE-6020T(180),BA-6020T(180),TL-6020T(180),CR-6020T(180),K-6020T(180),CA-6020T(180),NI-6020T(180),NA-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),SB-6020T(180),V-6020T(180),AS-6020T(180),HG-T(28),AL-6020T(180),MG-6020T(180),AG-6020T(180),CD-6020T(180),CO-6020T(180) |
| L2029724-05F        | Amber 120ml unpreserved                | A             | 7                 | 7               | 4.3               | Y           | Absent      |                         | NYTCL-8082-LVI(7)                                                                                                                                                                                                                                                                                                          |
| L2029724-05G        | Amber 120ml unpreserved                | A             | 7                 | 7               | 4.3               | Y           | Absent      |                         | NYTCL-8082-LVI(7)                                                                                                                                                                                                                                                                                                          |
| L2029724-05H        | Amber 120ml unpreserved                | A             | 7                 | 7               | 4.3               | Y           | Absent      |                         | NYTCL-8081(7)                                                                                                                                                                                                                                                                                                              |
| L2029724-05I        | Amber 120ml unpreserved                | A             | 7                 | 7               | 4.3               | Y           | Absent      |                         | NYTCL-8081(7)                                                                                                                                                                                                                                                                                                              |
| L2029724-05J        | Amber 250ml unpreserved                | A             | 7                 | 7               | 4.3               | Y           | Absent      |                         | NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)                                                                                                                                                                                                                                                                                    |
| L2029724-05K        | Amber 250ml unpreserved                | A             | 7                 | 7               | 4.3               | Y           | Absent      |                         | NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)                                                                                                                                                                                                                                                                                    |

**Project Name:** 20-286219.1  
**Project Number:** 20-286219.1

**Serial\_No:**07152018:51  
**Lab Number:** L2029724  
**Report Date:** 07/15/20

**Container Information**

| Container ID | Container Type                         | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal   | Frozen Date/Time | Analysis(*)                                                                                                                                                                                                                                                                                                                |
|--------------|----------------------------------------|--------|------------|----------|------------|------|--------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L2029724-05X | Plastic 120ml HNO3 preserved Filtrates | A      | NA         |          | 4.3        | Y    | Absent |                  | SE-6020S(180),V-6020S(180),CU-6020S(180),K-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),FE-6020S(180),CR-6020S(180),NI-6020S(180),PB-6020S(180),NA-6020S(180),BA-6020S(180),TL-6020S(180),AS-6020S(180),AG-6020S(180),SB-6020S(180),AL-6020S(180),HG-S(28),CD-6020S(180) |
| L2029724-06A | Vial HCl preserved                     | A      | NA         |          | 4.3        | Y    | Absent |                  | NYTCL-8260(14)                                                                                                                                                                                                                                                                                                             |
| L2029724-06B | Vial HCl preserved                     | A      | NA         |          | 4.3        | Y    | Absent |                  | NYTCL-8260(14)                                                                                                                                                                                                                                                                                                             |
| L2029724-06C | Vial HCl preserved                     | A      | NA         |          | 4.3        | Y    | Absent |                  | NYTCL-8260(14)                                                                                                                                                                                                                                                                                                             |
| L2029724-06D | Plastic 250ml unpreserved              | A      | 7          | 7        | 4.3        | Y    | Absent |                  | -                                                                                                                                                                                                                                                                                                                          |
| L2029724-06E | Plastic 250ml HNO3 preserved           | A      | <2         | <2       | 4.3        | Y    | Absent |                  | SE-6020T(180),FE-6020T(180),TL-6020T(180),BA-6020T(180),CR-6020T(180),NI-6020T(180),CA-6020T(180),K-6020T(180),ZN-6020T(180),CU-6020T(180),NA-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),SB-6020T(180),AS-6020T(180),V-6020T(180),MG-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),CO-6020T(180) |
| L2029724-06F | Amber 120ml unpreserved                | A      | 7          | 7        | 4.3        | Y    | Absent |                  | NYTCL-8082-LVI(7)                                                                                                                                                                                                                                                                                                          |
| L2029724-06G | Amber 120ml unpreserved                | A      | 7          | 7        | 4.3        | Y    | Absent |                  | NYTCL-8082-LVI(7)                                                                                                                                                                                                                                                                                                          |
| L2029724-06H | Amber 120ml unpreserved                | A      | 7          | 7        | 4.3        | Y    | Absent |                  | NYTCL-8081(7)                                                                                                                                                                                                                                                                                                              |
| L2029724-06I | Amber 120ml unpreserved                | A      | 7          | 7        | 4.3        | Y    | Absent |                  | NYTCL-8081(7)                                                                                                                                                                                                                                                                                                              |
| L2029724-06J | Amber 250ml unpreserved                | A      | 7          | 7        | 4.3        | Y    | Absent |                  | NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)                                                                                                                                                                                                                                                                                    |
| L2029724-06K | Amber 250ml unpreserved                | A      | 7          | 7        | 4.3        | Y    | Absent |                  | NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)                                                                                                                                                                                                                                                                                    |
| L2029724-06X | Plastic 120ml HNO3 preserved Filtrates | A      | NA         |          | 4.3        | Y    | Absent |                  | SE-6020S(180),V-6020S(180),CU-6020S(180),K-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),FE-6020S(180),CA-6020S(180),CR-6020S(180),BA-6020S(180),NI-6020S(180),NA-6020S(180),PB-6020S(180),TL-6020S(180),SB-6020S(180),AG-6020S(180),AS-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28) |
| L2029724-07A | Vial HCl preserved                     | B      | NA         |          | 2.7        | Y    | Absent |                  | NYTCL-8260(14)                                                                                                                                                                                                                                                                                                             |
| L2029724-07B | Vial HCl preserved                     | B      | NA         |          | 2.7        | Y    | Absent |                  | NYTCL-8260(14)                                                                                                                                                                                                                                                                                                             |

**Project Name:** 20-286219.1  
**Project Number:** 20-286219.1

**Serial\_No:** 07152018:51  
**Lab Number:** L2029724  
**Report Date:** 07/15/20

**Container Information**

| Container ID | Container Type                         | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal   | Frozen Date/Time | Analysis(*)                                                                                                                                                                                                                                                                                                                |
|--------------|----------------------------------------|--------|------------|----------|------------|------|--------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L2029724-07C | Vial HCl preserved                     | B      | NA         |          | 2.7        | Y    | Absent |                  | NYTCL-8260(14)                                                                                                                                                                                                                                                                                                             |
| L2029724-07D | Plastic 250ml unpreserved              | B      | 7          | 7        | 2.7        | Y    | Absent |                  | -                                                                                                                                                                                                                                                                                                                          |
| L2029724-07E | Plastic 250ml HNO3 preserved           | B      | <2         | <2       | 2.7        | Y    | Absent |                  | BA-6020T(180),SE-6020T(180),FE-6020T(180),TL-6020T(180),CA-6020T(180),K-6020T(180),NI-6020T(180),CR-6020T(180),NA-6020T(180),ZN-6020T(180),CU-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),V-6020T(180),AS-6020T(180),SB-6020T(180),HG-T(28),AG-6020T(180),CD-6020T(180),MG-6020T(180),AL-6020T(180),CO-6020T(180) |
| L2029724-07F | Amber 120ml unpreserved                | B      | 7          | 7        | 2.7        | Y    | Absent |                  | NYTCL-8082-LVI(7)                                                                                                                                                                                                                                                                                                          |
| L2029724-07G | Amber 120ml unpreserved                | B      | 7          | 7        | 2.7        | Y    | Absent |                  | NYTCL-8082-LVI(7)                                                                                                                                                                                                                                                                                                          |
| L2029724-07H | Amber 120ml unpreserved                | B      | 7          | 7        | 2.7        | Y    | Absent |                  | NYTCL-8081(7)                                                                                                                                                                                                                                                                                                              |
| L2029724-07I | Amber 120ml unpreserved                | B      | 7          | 7        | 2.7        | Y    | Absent |                  | NYTCL-8081(7)                                                                                                                                                                                                                                                                                                              |
| L2029724-07J | Amber 250ml unpreserved                | B      | 7          | 7        | 2.7        | Y    | Absent |                  | NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)                                                                                                                                                                                                                                                                                    |
| L2029724-07K | Amber 250ml unpreserved                | B      | 7          | 7        | 2.7        | Y    | Absent |                  | NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)                                                                                                                                                                                                                                                                                    |
| L2029724-07X | Plastic 120ml HNO3 preserved Filtrates | B      | NA         |          | 2.7        | Y    | Absent |                  | SE-6020S(180),V-6020S(180),K-6020S(180),CU-6020S(180),MN-6020S(180),BE-6020S(180),MG-6020S(180),CO-6020S(180),ZN-6020S(180),CR-6020S(180),FE-6020S(180),CA-6020S(180),TL-6020S(180),BA-6020S(180),NI-6020S(180),NA-6020S(180),PB-6020S(180),AS-6020S(180),AG-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28) |
| L2029724-08A | Vial HCl preserved                     | B      | NA         |          | 2.7        | Y    | Absent |                  | NYTCL-8260(14)                                                                                                                                                                                                                                                                                                             |
| L2029724-08B | Vial HCl preserved                     | B      | NA         |          | 2.7        | Y    | Absent |                  | NYTCL-8260(14)                                                                                                                                                                                                                                                                                                             |
| L2029724-08C | Vial HCl preserved                     | B      | NA         |          | 2.7        | Y    | Absent |                  | NYTCL-8260(14)                                                                                                                                                                                                                                                                                                             |
| L2029724-08D | Plastic 250ml unpreserved              | B      | 7          | 7        | 2.7        | Y    | Absent |                  | -                                                                                                                                                                                                                                                                                                                          |
| L2029724-08E | Plastic 250ml HNO3 preserved           | B      | <2         | <2       | 2.7        | Y    | Absent |                  | TL-6020T(180),BA-6020T(180),SE-6020T(180),FE-6020T(180),CA-6020T(180),NI-6020T(180),K-6020T(180),CR-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),V-6020T(180),AS-6020T(180),SB-6020T(180),AG-6020T(180),AL-6020T(180),HG-T(28),CD-6020T(180),MG-6020T(180),CO-6020T(180) |
| L2029724-08F | Amber 120ml unpreserved                | B      | 7          | 7        | 2.7        | Y    | Absent |                  | NYTCL-8082-LVI(7)                                                                                                                                                                                                                                                                                                          |

**Project Name:** 20-286219.1**Lab Number:** L2029724**Project Number:** 20-286219.1**Report Date:** 07/15/20**Container Information**

| <b>Container ID</b> | <b>Container Type</b>                  | <b>Cooler</b> | <b>Initial<br/>pH</b> | <b>Final<br/>pH</b> | <b>Temp<br/>deg C</b> | <b>Pres</b> | <b>Seal</b> | <b>Frozen<br/>Date/Time</b> | <b>Analysis(*)</b>                                                                                                                                                                                                                                                                                                         |
|---------------------|----------------------------------------|---------------|-----------------------|---------------------|-----------------------|-------------|-------------|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L2029724-08G        | Amber 120ml unpreserved                | B             | 7                     | 7                   | 2.7                   | Y           | Absent      |                             | NYTCL-8082-LVI(7)                                                                                                                                                                                                                                                                                                          |
| L2029724-08H        | Amber 120ml unpreserved                | B             | 7                     | 7                   | 2.7                   | Y           | Absent      |                             | NYTCL-8081(7)                                                                                                                                                                                                                                                                                                              |
| L2029724-08I        | Amber 120ml unpreserved                | B             | 7                     | 7                   | 2.7                   | Y           | Absent      |                             | NYTCL-8081(7)                                                                                                                                                                                                                                                                                                              |
| L2029724-08J        | Amber 250ml unpreserved                | B             | 7                     | 7                   | 2.7                   | Y           | Absent      |                             | NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)                                                                                                                                                                                                                                                                                    |
| L2029724-08K        | Amber 250ml unpreserved                | B             | 7                     | 7                   | 2.7                   | Y           | Absent      |                             | NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)                                                                                                                                                                                                                                                                                    |
| L2029724-08X        | Plastic 120ml HNO3 preserved Filtrates | B             | NA                    |                     | 2.7                   | Y           | Absent      |                             | V-6020S(180),K-6020S(180),CU-6020S(180),SE-6020S(180),MN-6020S(180),ZN-6020S(180),MG-6020S(180),BE-6020S(180),CO-6020S(180),CR-6020S(180),FE-6020S(180),CA-6020S(180),BA-6020S(180),NI-6020S(180),NA-6020S(180),PB-6020S(180),TL-6020S(180),SB-6020S(180),AG-6020S(180),AS-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28) |



Project Name: 20-286219.1

Lab Number: L2029724

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Report Date: 07/15/20

## GLOSSARY

### Acronyms

|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DL       | - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)                                                                                               |
| EDL      | - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).                        |
| EMPC     | - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.                                                                                                                                                              |
| EPA      | - Environmental Protection Agency.                                                                                                                                                                                                                                                                                                                                                                                                                        |
| LCS      | - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.                                                                                                                                                                                                                                                         |
| LCS D    | - Laboratory Control Sample Duplicate: Refer to LCS.                                                                                                                                                                                                                                                                                                                                                                                                      |
| LFB      | - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.                                                                                                                                                                                                                                                        |
| LOD      | - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)                                                                                                                                              |
| LOQ      | - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)                                                                                                                                                                                                |
|          | Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)                                                                                                                                                                                                  |
| MDL      | - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.                                                                                                                         |
| MS       | - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.                                                                                                                                   |
| MSD      | - Matrix Spike Sample Duplicate: Refer to MS.                                                                                                                                                                                                                                                                                                                                                                                                             |
| NA       | - Not Applicable.                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| NC       | - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.                                                                                                                                                                                                                                                                                                          |
| NDPA/DPA | - N-Nitrosodiphenylamine/Diphenylamine.                                                                                                                                                                                                                                                                                                                                                                                                                   |
| NI       | - Not Ignitable.                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| NP       | - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.                                                                                                                                                                                                                                                                                                                                                                             |
| RL       | - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.                                                                                                                                                                                                                                  |
| RPD      | - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |
| SRM      | - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.                                                                                                                                                                                                                                                                                                    |
| STLP     | - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.                                                                                                                                                                                                                                                                                                                                                                                               |
| TEF      | - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.                                                                                                                                                                                                                                                                                                                            |
| TEQ      | - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.                                                                                                                                                                                                                                                                                       |
| TIC      | - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.                                                                                                                                                                                                     |

### Footnotes

Report Format: DU Report with 'J' Qualifiers



**Project Name:** 20-286219.1**Lab Number:** L2029724**Project Number:** 20-286219.1**Report Date:** 07/15/20

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

**Terms**

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

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

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

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

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

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

**PFAS Total:** With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

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

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

**Data Qualifiers**

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration. (DoD and NYSDEC Part 375 PFAS only.)
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

**Report Format:** DU Report with 'J' Qualifiers



**Project Name:** 20-286219.1**Lab Number:** L2029724**Project Number:** 20-286219.1**Report Date:** 07/15/20**Data Qualifiers**

- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

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*Report Format: DU Report with 'J' Qualifiers*

**Project Name:** 20-286219.1  
**Project Number:** 20-286219.1

**Lab Number:** L2029724  
**Report Date:** 07/15/20

## REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

## LIMITATION OF LIABILITIES

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

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



**Alpha Analytical, Inc.**Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

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**Certification Information**

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

**Westborough Facility****EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.**EPA TO-12** Non-methane organics**EPA 3C** Fixed gases**Biological Tissue Matrix:** EPA 3050B

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

**Westborough Facility:****Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.**EPA 522.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1** Hg.**SM2340B**

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



|  <b>NEW YORK CHAIN OF CUSTODY</b><br>Westborough, MA 01581<br>8 Walkup Dr.<br>TEL: 508-898-9220<br>FAX: 508-898-9193<br>Mansfield, MA 02048<br>320 Forbes Blvd<br>TEL: 508-822-9300<br>FAX: 508-822-3288                                                                          |           | <b>Service Centers</b><br>Mahwah, NJ 07430: 35 Whitney Rd, Suite 5<br>Albany, NY 12205: 14 Walker Way<br>Tonawanda, NY 14150: 275 Cooper Ave, Suite 105                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |       | Page<br><div style="border: 1px solid black; padding: 2px; display: inline-block;">1 of 1</div>                                                                                                                                 |                    | Date Rec'd in Lab<br><div style="font-size: 1.2em;">7/14/20</div>                        |              | ALPHA Job #<br><div style="font-size: 1.2em;">L2029724</div>                                                                                                                                                                                                                 |                    |                        |                      |                  |                          |                        |                      |                  |                          |  |  |      |      |  |  |  |  |  |  |  |  |  |  |          |     |         |      |   |    |   |   |   |   |   |  |  |  |     |     |         |       |   |    |   |   |   |   |   |  |  |  |     |     |         |       |   |    |   |   |   |   |   |  |  |  |     |     |         |       |   |    |   |   |   |   |   |  |  |  |     |        |         |      |    |    |   |   |   |   |   |   |   |  |     |        |         |       |    |    |   |   |   |   |   |   |   |  |     |        |         |       |    |    |   |   |   |   |   |   |   |  |     |        |         |       |    |    |   |   |   |   |   |   |   |  |                                                                                                                                                                                        |  |
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|                                                                                                                                                                                                                                                                                                                                                                   |           | <b>Project Information</b><br>Project Name: <u>20-286219.1</u><br>Project Location: <u>10-16 Beach 19th Street, Queens NY 11691</u><br>Project # <u>20-286219.1</u><br>(Use Project name as Project #) <input type="checkbox"/><br>Project Manager: <u>Andres Simonson</u><br>ALPHAQuote #: _____<br>Turn-Around Time<br>Standard <input type="checkbox"/> Due Date: _____<br>Rush (only if pre approved) <input checked="" type="checkbox"/> <u>24hrs</u> # of Days: _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       | <b>Deliverables</b><br><input type="checkbox"/> ASP-A <input type="checkbox"/> ASP-B<br><input type="checkbox"/> EQUIS (1 File) <input type="checkbox"/> EQUIS (4 File)<br><input type="checkbox"/> Other _____                 |                    | <b>Billing Information</b><br><input type="checkbox"/> Same as Client Info<br>PO # _____ |              |                                                                                                                                                                                                                                                                              |                    |                        |                      |                  |                          |                        |                      |                  |                          |  |  |      |      |  |  |  |  |  |  |  |  |  |  |          |     |         |      |   |    |   |   |   |   |   |  |  |  |     |     |         |       |   |    |   |   |   |   |   |  |  |  |     |     |         |       |   |    |   |   |   |   |   |  |  |  |     |     |         |       |   |    |   |   |   |   |   |  |  |  |     |        |         |      |    |    |   |   |   |   |   |   |   |  |     |        |         |       |    |    |   |   |   |   |   |   |   |  |     |        |         |       |    |    |   |   |   |   |   |   |   |  |     |        |         |       |    |    |   |   |   |   |   |   |   |  |                                                                                                                                                                                        |  |
| <b>Client Information</b><br>Client: <u>PSG Eng &amp; Geology</u><br>Address: <u>362 Fifth Ave, Suite 501</u><br><u>New York, NY 10001</u><br>Phone: <u>646 273 1290</u><br>Fax: <u>646 513 2381</u><br>Email: <u>j.tokko@partnersi.com</u>                                                                                                                       |           | <b>Regulatory Requirement</b><br><input checked="" type="checkbox"/> NY TOGS <input type="checkbox"/> NY Part 375<br><input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51<br><input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other _____<br><input checked="" type="checkbox"/> NY Unrestricted Use<br><input type="checkbox"/> NYC Sewer Discharge                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       | <b>Disposal Site Information</b><br>Please identify below location of applicable disposal facilities.<br>Disposal Facility:<br><input type="checkbox"/> NJ <input type="checkbox"/> NY<br><input type="checkbox"/> Other: _____ |                    |                                                                                          |              |                                                                                                                                                                                                                                                                              |                    |                        |                      |                  |                          |                        |                      |                  |                          |  |  |      |      |  |  |  |  |  |  |  |  |  |  |          |     |         |      |   |    |   |   |   |   |   |  |  |  |     |     |         |       |   |    |   |   |   |   |   |  |  |  |     |     |         |       |   |    |   |   |   |   |   |  |  |  |     |     |         |       |   |    |   |   |   |   |   |  |  |  |     |        |         |      |    |    |   |   |   |   |   |   |   |  |     |        |         |       |    |    |   |   |   |   |   |   |   |  |     |        |         |       |    |    |   |   |   |   |   |   |   |  |     |        |         |       |    |    |   |   |   |   |   |   |   |  |                                                                                                                                                                                        |  |
| These samples have been previously analyzed by Alpha <input type="checkbox"/><br>Other project specific requirements/comments:<br><div style="font-size: 1.2em; margin-top: 10px;">24 hrs TAT please</div> Please specify Metals or TAL. <u>Groundwater metals should be analyzed as both</u><br><u>Filtered (Dissolved metals) and Unfiltered (Total metals)</u> |           | <b>ANALYSIS</b><br><div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">             VOCs (2260)<br/>             SVOCs (2270)<br/>             PCBs (2082)<br/>             Pesticides (2021)<br/>             TAL Metals (6010/7471)<br/>             Dissolved TAL Metals<br/>             Total TAL Metals           </div> <div> <table border="1" style="width:100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>ALPHA Lab ID<br/>(Lab Use Only)</th> <th>Sample ID</th> <th colspan="2">Collection</th> <th>Sample Matrix</th> <th>Sampler's Initials</th> <th>VOCs (2260)</th> <th>SVOCs (2270)</th> <th>PCBs (2082)</th> <th>Pesticides (2021)</th> <th>TAL Metals (6010/7471)</th> <th>Dissolved TAL Metals</th> <th>Total TAL Metals</th> <th>Sample Specific Comments</th> </tr> <tr> <th></th> <th></th> <th>Date</th> <th>Time</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>29724-01</td> <td>B-1</td> <td>7/14/20</td> <td>9:30</td> <td>S</td> <td>JL</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> </tr> <tr> <td>-02</td> <td>B-2</td> <td>7/14/20</td> <td>11:00</td> <td>S</td> <td>JL</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> </tr> <tr> <td>-03</td> <td>B-3</td> <td>7/14/20</td> <td>12:00</td> <td>S</td> <td>JL</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> </tr> <tr> <td>-04</td> <td>B-4</td> <td>7/14/20</td> <td>12:55</td> <td>S</td> <td>JL</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> </tr> <tr> <td>-05</td> <td>B-1 GW</td> <td>7/14/20</td> <td>9:45</td> <td>GW</td> <td>JL</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> </tr> <tr> <td>-06</td> <td>B-2 GW</td> <td>7/14/20</td> <td>11:15</td> <td>GW</td> <td>JL</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> </tr> <tr> <td>-07</td> <td>B-3 GW</td> <td>7/14/20</td> <td>12:10</td> <td>GW</td> <td>JL</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> </tr> <tr> <td>-08</td> <td>B-4 GW</td> <td>7/14/20</td> <td>13:15</td> <td>GW</td> <td>JL</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> </tr> </tbody> </table> </div> </div> |       | ALPHA Lab ID<br>(Lab Use Only)                                                                                                                                                                                                  | Sample ID          | Collection                                                                               |              | Sample Matrix                                                                                                                                                                                                                                                                | Sampler's Initials | VOCs (2260)            | SVOCs (2270)         | PCBs (2082)      | Pesticides (2021)        | TAL Metals (6010/7471) | Dissolved TAL Metals | Total TAL Metals | Sample Specific Comments |  |  | Date | Time |  |  |  |  |  |  |  |  |  |  | 29724-01 | B-1 | 7/14/20 | 9:30 | S | JL | X | X | X | X | X |  |  |  | -02 | B-2 | 7/14/20 | 11:00 | S | JL | X | X | X | X | X |  |  |  | -03 | B-3 | 7/14/20 | 12:00 | S | JL | X | X | X | X | X |  |  |  | -04 | B-4 | 7/14/20 | 12:55 | S | JL | X | X | X | X | X |  |  |  | -05 | B-1 GW | 7/14/20 | 9:45 | GW | JL | X | X | X | X | X | X | X |  | -06 | B-2 GW | 7/14/20 | 11:15 | GW | JL | X | X | X | X | X | X | X |  | -07 | B-3 GW | 7/14/20 | 12:10 | GW | JL | X | X | X | X | X | X | X |  | -08 | B-4 GW | 7/14/20 | 13:15 | GW | JL | X | X | X | X | X | X | X |  | <b>Sample Filtration</b><br><input type="checkbox"/> Done<br><input type="checkbox"/> Lab to do<br><b>Preservation</b><br><input type="checkbox"/> Lab to do<br>(Please Specify below) |  |
| ALPHA Lab ID<br>(Lab Use Only)                                                                                                                                                                                                                                                                                                                                    | Sample ID | Collection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |       | Sample Matrix                                                                                                                                                                                                                   | Sampler's Initials | VOCs (2260)                                                                              | SVOCs (2270) | PCBs (2082)                                                                                                                                                                                                                                                                  | Pesticides (2021)  | TAL Metals (6010/7471) | Dissolved TAL Metals | Total TAL Metals | Sample Specific Comments |                        |                      |                  |                          |  |  |      |      |  |  |  |  |  |  |  |  |  |  |          |     |         |      |   |    |   |   |   |   |   |  |  |  |     |     |         |       |   |    |   |   |   |   |   |  |  |  |     |     |         |       |   |    |   |   |   |   |   |  |  |  |     |     |         |       |   |    |   |   |   |   |   |  |  |  |     |        |         |      |    |    |   |   |   |   |   |   |   |  |     |        |         |       |    |    |   |   |   |   |   |   |   |  |     |        |         |       |    |    |   |   |   |   |   |   |   |  |     |        |         |       |    |    |   |   |   |   |   |   |   |  |                                                                                                                                                                                        |  |
|                                                                                                                                                                                                                                                                                                                                                                   |           | Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Time  |                                                                                                                                                                                                                                 |                    |                                                                                          |              |                                                                                                                                                                                                                                                                              |                    |                        |                      |                  |                          |                        |                      |                  |                          |  |  |      |      |  |  |  |  |  |  |  |  |  |  |          |     |         |      |   |    |   |   |   |   |   |  |  |  |     |     |         |       |   |    |   |   |   |   |   |  |  |  |     |     |         |       |   |    |   |   |   |   |   |  |  |  |     |     |         |       |   |    |   |   |   |   |   |  |  |  |     |        |         |      |    |    |   |   |   |   |   |   |   |  |     |        |         |       |    |    |   |   |   |   |   |   |   |  |     |        |         |       |    |    |   |   |   |   |   |   |   |  |     |        |         |       |    |    |   |   |   |   |   |   |   |  |                                                                                                                                                                                        |  |
| 29724-01                                                                                                                                                                                                                                                                                                                                                          | B-1       | 7/14/20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 9:30  | S                                                                                                                                                                                                                               | JL                 | X                                                                                        | X            | X                                                                                                                                                                                                                                                                            | X                  | X                      |                      |                  |                          |                        |                      |                  |                          |  |  |      |      |  |  |  |  |  |  |  |  |  |  |          |     |         |      |   |    |   |   |   |   |   |  |  |  |     |     |         |       |   |    |   |   |   |   |   |  |  |  |     |     |         |       |   |    |   |   |   |   |   |  |  |  |     |     |         |       |   |    |   |   |   |   |   |  |  |  |     |        |         |      |    |    |   |   |   |   |   |   |   |  |     |        |         |       |    |    |   |   |   |   |   |   |   |  |     |        |         |       |    |    |   |   |   |   |   |   |   |  |     |        |         |       |    |    |   |   |   |   |   |   |   |  |                                                                                                                                                                                        |  |
| -02                                                                                                                                                                                                                                                                                                                                                               | B-2       | 7/14/20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 11:00 | S                                                                                                                                                                                                                               | JL                 | X                                                                                        | X            | X                                                                                                                                                                                                                                                                            | X                  | X                      |                      |                  |                          |                        |                      |                  |                          |  |  |      |      |  |  |  |  |  |  |  |  |  |  |          |     |         |      |   |    |   |   |   |   |   |  |  |  |     |     |         |       |   |    |   |   |   |   |   |  |  |  |     |     |         |       |   |    |   |   |   |   |   |  |  |  |     |     |         |       |   |    |   |   |   |   |   |  |  |  |     |        |         |      |    |    |   |   |   |   |   |   |   |  |     |        |         |       |    |    |   |   |   |   |   |   |   |  |     |        |         |       |    |    |   |   |   |   |   |   |   |  |     |        |         |       |    |    |   |   |   |   |   |   |   |  |                                                                                                                                                                                        |  |
| -03                                                                                                                                                                                                                                                                                                                                                               | B-3       | 7/14/20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 12:00 | S                                                                                                                                                                                                                               | JL                 | X                                                                                        | X            | X                                                                                                                                                                                                                                                                            | X                  | X                      |                      |                  |                          |                        |                      |                  |                          |  |  |      |      |  |  |  |  |  |  |  |  |  |  |          |     |         |      |   |    |   |   |   |   |   |  |  |  |     |     |         |       |   |    |   |   |   |   |   |  |  |  |     |     |         |       |   |    |   |   |   |   |   |  |  |  |     |     |         |       |   |    |   |   |   |   |   |  |  |  |     |        |         |      |    |    |   |   |   |   |   |   |   |  |     |        |         |       |    |    |   |   |   |   |   |   |   |  |     |        |         |       |    |    |   |   |   |   |   |   |   |  |     |        |         |       |    |    |   |   |   |   |   |   |   |  |                                                                                                                                                                                        |  |
| -04                                                                                                                                                                                                                                                                                                                                                               | B-4       | 7/14/20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 12:55 | S                                                                                                                                                                                                                               | JL                 | X                                                                                        | X            | X                                                                                                                                                                                                                                                                            | X                  | X                      |                      |                  |                          |                        |                      |                  |                          |  |  |      |      |  |  |  |  |  |  |  |  |  |  |          |     |         |      |   |    |   |   |   |   |   |  |  |  |     |     |         |       |   |    |   |   |   |   |   |  |  |  |     |     |         |       |   |    |   |   |   |   |   |  |  |  |     |     |         |       |   |    |   |   |   |   |   |  |  |  |     |        |         |      |    |    |   |   |   |   |   |   |   |  |     |        |         |       |    |    |   |   |   |   |   |   |   |  |     |        |         |       |    |    |   |   |   |   |   |   |   |  |     |        |         |       |    |    |   |   |   |   |   |   |   |  |                                                                                                                                                                                        |  |
| -05                                                                                                                                                                                                                                                                                                                                                               | B-1 GW    | 7/14/20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 9:45  | GW                                                                                                                                                                                                                              | JL                 | X                                                                                        | X            | X                                                                                                                                                                                                                                                                            | X                  | X                      | X                    | X                |                          |                        |                      |                  |                          |  |  |      |      |  |  |  |  |  |  |  |  |  |  |          |     |         |      |   |    |   |   |   |   |   |  |  |  |     |     |         |       |   |    |   |   |   |   |   |  |  |  |     |     |         |       |   |    |   |   |   |   |   |  |  |  |     |     |         |       |   |    |   |   |   |   |   |  |  |  |     |        |         |      |    |    |   |   |   |   |   |   |   |  |     |        |         |       |    |    |   |   |   |   |   |   |   |  |     |        |         |       |    |    |   |   |   |   |   |   |   |  |     |        |         |       |    |    |   |   |   |   |   |   |   |  |                                                                                                                                                                                        |  |
| -06                                                                                                                                                                                                                                                                                                                                                               | B-2 GW    | 7/14/20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 11:15 | GW                                                                                                                                                                                                                              | JL                 | X                                                                                        | X            | X                                                                                                                                                                                                                                                                            | X                  | X                      | X                    | X                |                          |                        |                      |                  |                          |  |  |      |      |  |  |  |  |  |  |  |  |  |  |          |     |         |      |   |    |   |   |   |   |   |  |  |  |     |     |         |       |   |    |   |   |   |   |   |  |  |  |     |     |         |       |   |    |   |   |   |   |   |  |  |  |     |     |         |       |   |    |   |   |   |   |   |  |  |  |     |        |         |      |    |    |   |   |   |   |   |   |   |  |     |        |         |       |    |    |   |   |   |   |   |   |   |  |     |        |         |       |    |    |   |   |   |   |   |   |   |  |     |        |         |       |    |    |   |   |   |   |   |   |   |  |                                                                                                                                                                                        |  |
| -07                                                                                                                                                                                                                                                                                                                                                               | B-3 GW    | 7/14/20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 12:10 | GW                                                                                                                                                                                                                              | JL                 | X                                                                                        | X            | X                                                                                                                                                                                                                                                                            | X                  | X                      | X                    | X                |                          |                        |                      |                  |                          |  |  |      |      |  |  |  |  |  |  |  |  |  |  |          |     |         |      |   |    |   |   |   |   |   |  |  |  |     |     |         |       |   |    |   |   |   |   |   |  |  |  |     |     |         |       |   |    |   |   |   |   |   |  |  |  |     |     |         |       |   |    |   |   |   |   |   |  |  |  |     |        |         |      |    |    |   |   |   |   |   |   |   |  |     |        |         |       |    |    |   |   |   |   |   |   |   |  |     |        |         |       |    |    |   |   |   |   |   |   |   |  |     |        |         |       |    |    |   |   |   |   |   |   |   |  |                                                                                                                                                                                        |  |
| -08                                                                                                                                                                                                                                                                                                                                                               | B-4 GW    | 7/14/20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 13:15 | GW                                                                                                                                                                                                                              | JL                 | X                                                                                        | X            | X                                                                                                                                                                                                                                                                            | X                  | X                      | X                    | X                |                          |                        |                      |                  |                          |  |  |      |      |  |  |  |  |  |  |  |  |  |  |          |     |         |      |   |    |   |   |   |   |   |  |  |  |     |     |         |       |   |    |   |   |   |   |   |  |  |  |     |     |         |       |   |    |   |   |   |   |   |  |  |  |     |     |         |       |   |    |   |   |   |   |   |  |  |  |     |        |         |      |    |    |   |   |   |   |   |   |   |  |     |        |         |       |    |    |   |   |   |   |   |   |   |  |     |        |         |       |    |    |   |   |   |   |   |   |   |  |     |        |         |       |    |    |   |   |   |   |   |   |   |  |                                                                                                                                                                                        |  |
| Preservative Code:<br>A = None<br>B = HCl<br>C = HNO <sub>3</sub><br>D = H <sub>2</sub> SO <sub>4</sub><br>E = NaOH<br>F = MeOH<br>G = NaHSO <sub>4</sub><br>H = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub><br>K/E = Zn Ac/NaOH<br>O = Other                                                                                                                   |           | Container Code<br>P = Plastic<br>A = Amber Glass<br>V = Vial<br>G = Glass<br>B = Bacteria Cup<br>C = Cube<br>O = Other<br>E = Encore<br>D = BOD Bottle                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |       | Westboro: Certification No: MA935<br>Mansfield: Certification No: MA015                                                                                                                                                         |                    | Container Type<br>Preservative                                                           |              | Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.) |                    |                        |                      |                  |                          |                        |                      |                  |                          |  |  |      |      |  |  |  |  |  |  |  |  |  |  |          |     |         |      |   |    |   |   |   |   |   |  |  |  |     |     |         |       |   |    |   |   |   |   |   |  |  |  |     |     |         |       |   |    |   |   |   |   |   |  |  |  |     |     |         |       |   |    |   |   |   |   |   |  |  |  |     |        |         |      |    |    |   |   |   |   |   |   |   |  |     |        |         |       |    |    |   |   |   |   |   |   |   |  |     |        |         |       |    |    |   |   |   |   |   |   |   |  |     |        |         |       |    |    |   |   |   |   |   |   |   |  |                                                                                                                                                                                        |  |
| Form No: 01-25 HC (rev. 30-Sept-2013)                                                                                                                                                                                                                                                                                                                             |           | Relinquished By:<br><u>Jokko</u><br><u>Don D AAL</u><br><u>836 AAL</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |       | Date/Time<br><u>7/10/20</u><br><u>7/14/20 18:15</u><br><u>7/14/20 23:00</u>                                                                                                                                                     |                    | Received By:<br><u>Don D AAL</u><br><u>836 AAL</u><br><u>836 AAL</u>                     |              | Date/Time<br><u>7/14/20 16:35</u><br><u>7/14/20 19:00</u><br><u>7/14/20 23:00</u>                                                                                                                                                                                            |                    |                        |                      |                  |                          |                        |                      |                  |                          |  |  |      |      |  |  |  |  |  |  |  |  |  |  |          |     |         |      |   |    |   |   |   |   |   |  |  |  |     |     |         |       |   |    |   |   |   |   |   |  |  |  |     |     |         |       |   |    |   |   |   |   |   |  |  |  |     |     |         |       |   |    |   |   |   |   |   |  |  |  |     |        |         |      |    |    |   |   |   |   |   |   |   |  |     |        |         |       |    |    |   |   |   |   |   |   |   |  |     |        |         |       |    |    |   |   |   |   |   |   |   |  |     |        |         |       |    |    |   |   |   |   |   |   |   |  |                                                                                                                                                                                        |  |



## ANALYTICAL REPORT

|                 |                                                                                       |
|-----------------|---------------------------------------------------------------------------------------|
| Lab Number:     | L2029051                                                                              |
| Client:         | Partner Engineering & Science, Inc.<br>611 Industrial Way West<br>Eatontown, NJ 07724 |
| ATTN:           | Andres Simonson                                                                       |
| Phone:          | (732) 380-1700                                                                        |
| Project Name:   | 20-286219.1                                                                           |
| Project Number: | 20-286219.1                                                                           |
| Report Date:    | 07/13/20                                                                              |

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Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

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320 Forbes Boulevard, Mansfield, MA 02048-1806  
508-822-9300 (Fax) 508-822-3288 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)



**Project Name:** 20-286219.1  
**Project Number:** 20-286219.1

**Lab Number:** L2029051  
**Report Date:** 07/13/20

| Alpha<br>Sample ID | Client ID | Matrix     | Sample<br>Location                                   | Collection<br>Date/Time | Receive Date |
|--------------------|-----------|------------|------------------------------------------------------|-------------------------|--------------|
| L2029051-01        | SG-1      | SOIL_VAPOR | 10-16 BEACH 19 TH STREET, QUEENS,<br>NEW YORK, 11691 | 07/09/20 12:19          | 07/09/20     |
| L2029051-02        | SG-2      | SOIL_VAPOR | 10-16 BEACH 19 TH STREET, QUEENS,<br>NEW YORK, 11691 | 07/09/20 12:28          | 07/09/20     |
| L2029051-03        | SG-3      | SOIL_VAPOR | 10-16 BEACH 19 TH STREET, QUEENS,<br>NEW YORK, 11691 | 07/09/20 12:42          | 07/09/20     |
| L2029051-04        | SG-4      | SOIL_VAPOR | 10-16 BEACH 19 TH STREET, QUEENS,<br>NEW YORK, 11691 | 07/09/20 12:54          | 07/09/20     |



**Project Name:** 20-286219.1  
**Project Number:** 20-286219.1

**Lab Number:** L2029051  
**Report Date:** 07/13/20

### Case Narrative

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

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

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

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

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

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

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**Project Name:** 20-286219.1  
**Project Number:** 20-286219.1

**Lab Number:** L2029051  
**Report Date:** 07/13/20

### Case Narrative (continued)

#### Volatile Organics in Air

Canisters were released from the laboratory on July 8, 2020. The canister certification results are provided as an addendum.

L2029051-01-03: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

The continuing calibration standard, associated with L2029051-01 through -04, is outside the %D criteria for Hexachlorobutadiene (36%D); however, it is non detect in all samples.

The WG1391163-3 LCS recovery for hexachlorobutadiene (136%) is above the upper 130% acceptance limit. All samples associated with this LCS do not have reportable amounts of this analyte.

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

Authorized Signature:  Christopher J. Anderson

Title: Technical Director/Representative

Date: 07/13/20

**AIR**

**Project Name:** 20-286219.1**Project Number:** 20-286219.1**Lab Number:** L2029051**Report Date:** 07/13/20**SAMPLE RESULTS**

Lab ID: L2029051-01 D  
 Client ID: SG-1  
 Sample Location: 10-16 BEACH 19 TH STREET, QUEENS,  
 NEW YORK, 11691

Date Collected: 07/09/20 12:19  
 Date Received: 07/09/20  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15  
 Analytical Date: 07/11/20 20:45  
 Analyst: TS

| Parameter                                | ppbV    |       |     | ug/m3   |      |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL   | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |       |     |         |      |     |           |                 |
| Dichlorodifluoromethane                  | ND      | 0.833 | --  | ND      | 4.12 | --  |           | 4.167           |
| Chloromethane                            | ND      | 0.833 | --  | ND      | 1.72 | --  |           | 4.167           |
| Freon-114                                | ND      | 0.833 | --  | ND      | 5.82 | --  |           | 4.167           |
| Vinyl chloride                           | ND      | 0.833 | --  | ND      | 2.13 | --  |           | 4.167           |
| 1,3-Butadiene                            | ND      | 0.833 | --  | ND      | 1.84 | --  |           | 4.167           |
| Bromomethane                             | ND      | 0.833 | --  | ND      | 3.23 | --  |           | 4.167           |
| Chloroethane                             | ND      | 0.833 | --  | ND      | 2.20 | --  |           | 4.167           |
| Ethanol                                  | 21.4    | 20.8  | --  | 40.3    | 39.2 | --  |           | 4.167           |
| Vinyl bromide                            | ND      | 0.833 | --  | ND      | 3.64 | --  |           | 4.167           |
| Acetone                                  | 8.60    | 4.17  | --  | 20.4    | 9.91 | --  |           | 4.167           |
| Trichlorofluoromethane                   | ND      | 0.833 | --  | ND      | 4.68 | --  |           | 4.167           |
| Isopropanol                              | ND      | 2.08  | --  | ND      | 5.11 | --  |           | 4.167           |
| 1,1-Dichloroethene                       | ND      | 0.833 | --  | ND      | 3.30 | --  |           | 4.167           |
| Tertiary butyl Alcohol                   | ND      | 2.08  | --  | ND      | 6.31 | --  |           | 4.167           |
| Methylene chloride                       | ND      | 2.08  | --  | ND      | 7.23 | --  |           | 4.167           |
| 3-Chloropropene                          | ND      | 0.833 | --  | ND      | 2.61 | --  |           | 4.167           |
| Carbon disulfide                         | ND      | 0.833 | --  | ND      | 2.59 | --  |           | 4.167           |
| Freon-113                                | ND      | 0.833 | --  | ND      | 6.38 | --  |           | 4.167           |
| trans-1,2-Dichloroethene                 | ND      | 0.833 | --  | ND      | 3.30 | --  |           | 4.167           |
| 1,1-Dichloroethane                       | ND      | 0.833 | --  | ND      | 3.37 | --  |           | 4.167           |
| Methyl tert butyl ether                  | ND      | 0.833 | --  | ND      | 3.00 | --  |           | 4.167           |
| 2-Butanone                               | ND      | 2.08  | --  | ND      | 6.13 | --  |           | 4.167           |
| cis-1,2-Dichloroethene                   | ND      | 0.833 | --  | ND      | 3.30 | --  |           | 4.167           |



**Project Name:** 20-286219.1**Project Number:** 20-286219.1**Lab Number:** L2029051**Report Date:** 07/13/20**SAMPLE RESULTS**

Lab ID: L2029051-01 D

Client ID: SG-1

Sample Location: 10-16 BEACH 19 TH STREET, QUEENS,  
NEW YORK, 11691

Date Collected: 07/09/20 12:19

Date Received: 07/09/20

Field Prep: Not Specified

Sample Depth:

| Parameter                                | ppbV    |       |     | ug/m3   |      |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL   | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |       |     |         |      |     |           |                 |
| Ethyl Acetate                            | ND      | 2.08  | --  | ND      | 7.50 | --  |           | 4.167           |
| Chloroform                               | 1.72    | 0.833 | --  | 8.40    | 4.07 | --  |           | 4.167           |
| Tetrahydrofuran                          | ND      | 2.08  | --  | ND      | 6.13 | --  |           | 4.167           |
| 1,2-Dichloroethane                       | ND      | 0.833 | --  | ND      | 3.37 | --  |           | 4.167           |
| n-Hexane                                 | 6.41    | 0.833 | --  | 22.6    | 2.94 | --  |           | 4.167           |
| 1,1,1-Trichloroethane                    | ND      | 0.833 | --  | ND      | 4.54 | --  |           | 4.167           |
| Benzene                                  | ND      | 0.833 | --  | ND      | 2.66 | --  |           | 4.167           |
| Carbon tetrachloride                     | ND      | 0.833 | --  | ND      | 5.24 | --  |           | 4.167           |
| Cyclohexane                              | 1.22    | 0.833 | --  | 4.20    | 2.87 | --  |           | 4.167           |
| 1,2-Dichloropropane                      | ND      | 0.833 | --  | ND      | 3.85 | --  |           | 4.167           |
| Bromodichloromethane                     | ND      | 0.833 | --  | ND      | 5.58 | --  |           | 4.167           |
| 1,4-Dioxane                              | ND      | 0.833 | --  | ND      | 3.00 | --  |           | 4.167           |
| Trichloroethene                          | 1.21    | 0.833 | --  | 6.50    | 4.48 | --  |           | 4.167           |
| 2,2,4-Trimethylpentane                   | ND      | 0.833 | --  | ND      | 3.89 | --  |           | 4.167           |
| Heptane                                  | 0.983   | 0.833 | --  | 4.03    | 3.41 | --  |           | 4.167           |
| cis-1,3-Dichloropropene                  | ND      | 0.833 | --  | ND      | 3.78 | --  |           | 4.167           |
| 4-Methyl-2-pentanone                     | ND      | 2.08  | --  | ND      | 8.52 | --  |           | 4.167           |
| trans-1,3-Dichloropropene                | ND      | 0.833 | --  | ND      | 3.78 | --  |           | 4.167           |
| 1,1,2-Trichloroethane                    | ND      | 0.833 | --  | ND      | 4.54 | --  |           | 4.167           |
| Toluene                                  | 1.99    | 0.833 | --  | 7.50    | 3.14 | --  |           | 4.167           |
| 2-Hexanone                               | ND      | 0.833 | --  | ND      | 3.41 | --  |           | 4.167           |
| Dibromochloromethane                     | ND      | 0.833 | --  | ND      | 7.10 | --  |           | 4.167           |
| 1,2-Dibromoethane                        | ND      | 0.833 | --  | ND      | 6.40 | --  |           | 4.167           |
| Tetrachloroethene                        | 246     | 0.833 | --  | 1670    | 5.65 | --  |           | 4.167           |
| Chlorobenzene                            | ND      | 0.833 | --  | ND      | 3.84 | --  |           | 4.167           |
| Ethylbenzene                             | ND      | 0.833 | --  | ND      | 3.62 | --  |           | 4.167           |



**Project Name:** 20-286219.1**Lab Number:** L2029051**Project Number:** 20-286219.1**Report Date:** 07/13/20**SAMPLE RESULTS**

Lab ID: L2029051-01 D

Date Collected: 07/09/20 12:19

Client ID: SG-1

Date Received: 07/09/20

Sample Location: 10-16 BEACH 19 TH STREET, QUEENS,  
NEW YORK, 11691

Field Prep: Not Specified

Sample Depth:

| Parameter                                | ppbV    |       |     | ug/m3   |      |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL   | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |       |     |         |      |     |           |                 |
| p/m-Xylene                               | ND      | 1.67  | --  | ND      | 7.25 | --  |           | 4.167           |
| Bromoform                                | ND      | 0.833 | --  | ND      | 8.61 | --  |           | 4.167           |
| Styrene                                  | ND      | 0.833 | --  | ND      | 3.55 | --  |           | 4.167           |
| 1,1,2,2-Tetrachloroethane                | ND      | 0.833 | --  | ND      | 5.72 | --  |           | 4.167           |
| o-Xylene                                 | ND      | 0.833 | --  | ND      | 3.62 | --  |           | 4.167           |
| 4-Ethyltoluene                           | ND      | 0.833 | --  | ND      | 4.10 | --  |           | 4.167           |
| 1,3,5-Trimethylbenzene                   | ND      | 0.833 | --  | ND      | 4.10 | --  |           | 4.167           |
| 1,2,4-Trimethylbenzene                   | ND      | 0.833 | --  | ND      | 4.10 | --  |           | 4.167           |
| Benzyl chloride                          | ND      | 0.833 | --  | ND      | 4.31 | --  |           | 4.167           |
| 1,3-Dichlorobenzene                      | ND      | 0.833 | --  | ND      | 5.01 | --  |           | 4.167           |
| 1,4-Dichlorobenzene                      | ND      | 0.833 | --  | ND      | 5.01 | --  |           | 4.167           |
| 1,2-Dichlorobenzene                      | ND      | 0.833 | --  | ND      | 5.01 | --  |           | 4.167           |
| 1,2,4-Trichlorobenzene                   | ND      | 0.833 | --  | ND      | 6.18 | --  |           | 4.167           |
| Hexachlorobutadiene                      | ND      | 0.833 | --  | ND      | 8.89 | --  |           | 4.167           |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 101        |           | 60-140              |
| Bromochloromethane  | 101        |           | 60-140              |
| chlorobenzene-d5    | 99         |           | 60-140              |



**Project Name:** 20-286219.1**Project Number:** 20-286219.1**Lab Number:** L2029051**Report Date:** 07/13/20**SAMPLE RESULTS**

Lab ID: L2029051-02 D  
 Client ID: SG-2  
 Sample Location: 10-16 BEACH 19 TH STREET, QUEENS,  
 NEW YORK, 11691

Date Collected: 07/09/20 12:28  
 Date Received: 07/09/20  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15  
 Analytical Date: 07/11/20 21:22  
 Analyst: TS

| Parameter                                | ppbV    |      |     | ug/m3   |      |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|------|-----|---------|------|-----|-----------|-----------------|
|                                          | Results | RL   | MDL | Results | RL   | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |      |     |         |      |     |           |                 |
| Dichlorodifluoromethane                  | ND      | 2.50 | --  | ND      | 12.4 | --  |           | 12.5            |
| Chloromethane                            | ND      | 2.50 | --  | ND      | 5.16 | --  |           | 12.5            |
| Freon-114                                | ND      | 2.50 | --  | ND      | 17.5 | --  |           | 12.5            |
| Vinyl chloride                           | ND      | 2.50 | --  | ND      | 6.39 | --  |           | 12.5            |
| 1,3-Butadiene                            | ND      | 2.50 | --  | ND      | 5.53 | --  |           | 12.5            |
| Bromomethane                             | ND      | 2.50 | --  | ND      | 9.71 | --  |           | 12.5            |
| Chloroethane                             | ND      | 2.50 | --  | ND      | 6.60 | --  |           | 12.5            |
| Ethanol                                  | ND      | 62.5 | --  | ND      | 118  | --  |           | 12.5            |
| Vinyl bromide                            | ND      | 2.50 | --  | ND      | 10.9 | --  |           | 12.5            |
| Acetone                                  | ND      | 12.5 | --  | ND      | 29.7 | --  |           | 12.5            |
| Trichlorofluoromethane                   | ND      | 2.50 | --  | ND      | 14.0 | --  |           | 12.5            |
| Isopropanol                              | ND      | 6.25 | --  | ND      | 15.4 | --  |           | 12.5            |
| 1,1-Dichloroethene                       | ND      | 2.50 | --  | ND      | 9.91 | --  |           | 12.5            |
| Tertiary butyl Alcohol                   | ND      | 6.25 | --  | ND      | 18.9 | --  |           | 12.5            |
| Methylene chloride                       | ND      | 6.25 | --  | ND      | 21.7 | --  |           | 12.5            |
| 3-Chloropropene                          | ND      | 2.50 | --  | ND      | 7.83 | --  |           | 12.5            |
| Carbon disulfide                         | ND      | 2.50 | --  | ND      | 7.79 | --  |           | 12.5            |
| Freon-113                                | ND      | 2.50 | --  | ND      | 19.2 | --  |           | 12.5            |
| trans-1,2-Dichloroethene                 | ND      | 2.50 | --  | ND      | 9.91 | --  |           | 12.5            |
| 1,1-Dichloroethane                       | ND      | 2.50 | --  | ND      | 10.1 | --  |           | 12.5            |
| Methyl tert butyl ether                  | ND      | 2.50 | --  | ND      | 9.01 | --  |           | 12.5            |
| 2-Butanone                               | ND      | 6.25 | --  | ND      | 18.4 | --  |           | 12.5            |
| cis-1,2-Dichloroethene                   | ND      | 2.50 | --  | ND      | 9.91 | --  |           | 12.5            |



**Project Name:** 20-286219.1**Lab Number:** L2029051**Project Number:** 20-286219.1**Report Date:** 07/13/20**SAMPLE RESULTS**

Lab ID: L2029051-02 D

Client ID: SG-2

Sample Location: 10-16 BEACH 19 TH STREET, QUEENS,  
NEW YORK, 11691

Date Collected: 07/09/20 12:28

Date Received: 07/09/20

Field Prep: Not Specified

Sample Depth:

| Parameter                                | ppbV    |      |     | ug/m3   |      |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|------|-----|---------|------|-----|-----------|-----------------|
|                                          | Results | RL   | MDL | Results | RL   | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |      |     |         |      |     |           |                 |
| Ethyl Acetate                            | ND      | 6.25 | --  | ND      | 22.5 | --  |           | 12.5            |
| Chloroform                               | ND      | 2.50 | --  | ND      | 12.2 | --  |           | 12.5            |
| Tetrahydrofuran                          | ND      | 6.25 | --  | ND      | 18.4 | --  |           | 12.5            |
| 1,2-Dichloroethane                       | ND      | 2.50 | --  | ND      | 10.1 | --  |           | 12.5            |
| n-Hexane                                 | 6.42    | 2.50 | --  | 22.6    | 8.81 | --  |           | 12.5            |
| 1,1,1-Trichloroethane                    | ND      | 2.50 | --  | ND      | 13.6 | --  |           | 12.5            |
| Benzene                                  | ND      | 2.50 | --  | ND      | 7.99 | --  |           | 12.5            |
| Carbon tetrachloride                     | ND      | 2.50 | --  | ND      | 15.7 | --  |           | 12.5            |
| Cyclohexane                              | ND      | 2.50 | --  | ND      | 8.61 | --  |           | 12.5            |
| 1,2-Dichloropropane                      | ND      | 2.50 | --  | ND      | 11.6 | --  |           | 12.5            |
| Bromodichloromethane                     | ND      | 2.50 | --  | ND      | 16.7 | --  |           | 12.5            |
| 1,4-Dioxane                              | ND      | 2.50 | --  | ND      | 9.01 | --  |           | 12.5            |
| Trichloroethene                          | ND      | 2.50 | --  | ND      | 13.4 | --  |           | 12.5            |
| 2,2,4-Trimethylpentane                   | ND      | 2.50 | --  | ND      | 11.7 | --  |           | 12.5            |
| Heptane                                  | 3.24    | 2.50 | --  | 13.3    | 10.2 | --  |           | 12.5            |
| cis-1,3-Dichloropropene                  | ND      | 2.50 | --  | ND      | 11.3 | --  |           | 12.5            |
| 4-Methyl-2-pentanone                     | ND      | 6.25 | --  | ND      | 25.6 | --  |           | 12.5            |
| trans-1,3-Dichloropropene                | ND      | 2.50 | --  | ND      | 11.3 | --  |           | 12.5            |
| 1,1,2-Trichloroethane                    | ND      | 2.50 | --  | ND      | 13.6 | --  |           | 12.5            |
| Toluene                                  | ND      | 2.50 | --  | ND      | 9.42 | --  |           | 12.5            |
| 2-Hexanone                               | ND      | 2.50 | --  | ND      | 10.2 | --  |           | 12.5            |
| Dibromochloromethane                     | ND      | 2.50 | --  | ND      | 21.3 | --  |           | 12.5            |
| 1,2-Dibromoethane                        | ND      | 2.50 | --  | ND      | 19.2 | --  |           | 12.5            |
| Tetrachloroethene                        | 643     | 2.50 | --  | 4360    | 17.0 | --  |           | 12.5            |
| Chlorobenzene                            | ND      | 2.50 | --  | ND      | 11.5 | --  |           | 12.5            |
| Ethylbenzene                             | ND      | 2.50 | --  | ND      | 10.9 | --  |           | 12.5            |





**Project Name:** 20-286219.1**Lab Number:** L2029051**Project Number:** 20-286219.1**Report Date:** 07/13/20**SAMPLE RESULTS**

Lab ID: L2029051-02 D

Date Collected: 07/09/20 12:28

Client ID: SG-2

Date Received: 07/09/20

Sample Location: 10-16 BEACH 19 TH STREET, QUEENS,  
NEW YORK, 11691

Field Prep: Not Specified

Sample Depth:

| Parameter                                | ppbV    |      |     | ug/m3   |      |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|------|-----|---------|------|-----|-----------|-----------------|
|                                          | Results | RL   | MDL | Results | RL   | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |      |     |         |      |     |           |                 |
| p/m-Xylene                               | ND      | 5.00 | --  | ND      | 21.7 | --  |           | 12.5            |
| Bromoform                                | ND      | 2.50 | --  | ND      | 25.8 | --  |           | 12.5            |
| Styrene                                  | ND      | 2.50 | --  | ND      | 10.6 | --  |           | 12.5            |
| 1,1,2,2-Tetrachloroethane                | ND      | 2.50 | --  | ND      | 17.2 | --  |           | 12.5            |
| o-Xylene                                 | ND      | 2.50 | --  | ND      | 10.9 | --  |           | 12.5            |
| 4-Ethyltoluene                           | ND      | 2.50 | --  | ND      | 12.3 | --  |           | 12.5            |
| 1,3,5-Trimethylbenzene                   | ND      | 2.50 | --  | ND      | 12.3 | --  |           | 12.5            |
| 1,2,4-Trimethylbenzene                   | ND      | 2.50 | --  | ND      | 12.3 | --  |           | 12.5            |
| Benzyl chloride                          | ND      | 2.50 | --  | ND      | 12.9 | --  |           | 12.5            |
| 1,3-Dichlorobenzene                      | ND      | 2.50 | --  | ND      | 15.0 | --  |           | 12.5            |
| 1,4-Dichlorobenzene                      | ND      | 2.50 | --  | ND      | 15.0 | --  |           | 12.5            |
| 1,2-Dichlorobenzene                      | ND      | 2.50 | --  | ND      | 15.0 | --  |           | 12.5            |
| 1,2,4-Trichlorobenzene                   | ND      | 2.50 | --  | ND      | 18.6 | --  |           | 12.5            |
| Hexachlorobutadiene                      | ND      | 2.50 | --  | ND      | 26.7 | --  |           | 12.5            |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 98         |           | 60-140              |
| Bromochloromethane  | 99         |           | 60-140              |
| chlorobenzene-d5    | 96         |           | 60-140              |



**Project Name:** 20-286219.1**Project Number:** 20-286219.1**Lab Number:** L2029051**Report Date:** 07/13/20**SAMPLE RESULTS**

Lab ID: L2029051-03 D  
 Client ID: SG-3  
 Sample Location: 10-16 BEACH 19 TH STREET, QUEENS,  
 NEW YORK, 11691

Date Collected: 07/09/20 12:42  
 Date Received: 07/09/20  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15  
 Analytical Date: 07/11/20 22:01  
 Analyst: TS

| Parameter                                | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |       |     |         |       |     |           |                 |
| Dichlorodifluoromethane                  | 0.486   | 0.400 | --  | 2.40    | 1.98  | --  |           | 2               |
| Chloromethane                            | ND      | 0.400 | --  | ND      | 0.826 | --  |           | 2               |
| Freon-114                                | ND      | 0.400 | --  | ND      | 2.80  | --  |           | 2               |
| Vinyl chloride                           | ND      | 0.400 | --  | ND      | 1.02  | --  |           | 2               |
| 1,3-Butadiene                            | 0.554   | 0.400 | --  | 1.23    | 0.885 | --  |           | 2               |
| Bromomethane                             | ND      | 0.400 | --  | ND      | 1.55  | --  |           | 2               |
| Chloroethane                             | ND      | 0.400 | --  | ND      | 1.06  | --  |           | 2               |
| Ethanol                                  | 24.2    | 10.0  | --  | 45.6    | 18.8  | --  |           | 2               |
| Vinyl bromide                            | ND      | 0.400 | --  | ND      | 1.75  | --  |           | 2               |
| Acetone                                  | 56.5    | 2.00  | --  | 134     | 4.75  | --  |           | 2               |
| Trichlorofluoromethane                   | ND      | 0.400 | --  | ND      | 2.25  | --  |           | 2               |
| Isopropanol                              | 2.83    | 1.00  | --  | 6.96    | 2.46  | --  |           | 2               |
| 1,1-Dichloroethene                       | ND      | 0.400 | --  | ND      | 1.59  | --  |           | 2               |
| Tertiary butyl Alcohol                   | ND      | 1.00  | --  | ND      | 3.03  | --  |           | 2               |
| Methylene chloride                       | ND      | 1.00  | --  | ND      | 3.47  | --  |           | 2               |
| 3-Chloropropene                          | ND      | 0.400 | --  | ND      | 1.25  | --  |           | 2               |
| Carbon disulfide                         | ND      | 0.400 | --  | ND      | 1.25  | --  |           | 2               |
| Freon-113                                | ND      | 0.400 | --  | ND      | 3.07  | --  |           | 2               |
| trans-1,2-Dichloroethene                 | ND      | 0.400 | --  | ND      | 1.59  | --  |           | 2               |
| 1,1-Dichloroethane                       | ND      | 0.400 | --  | ND      | 1.62  | --  |           | 2               |
| Methyl tert butyl ether                  | ND      | 0.400 | --  | ND      | 1.44  | --  |           | 2               |
| 2-Butanone                               | 6.39    | 1.00  | --  | 18.8    | 2.95  | --  |           | 2               |
| cis-1,2-Dichloroethene                   | ND      | 0.400 | --  | ND      | 1.59  | --  |           | 2               |



**Project Name:** 20-286219.1**Lab Number:** L2029051**Project Number:** 20-286219.1**Report Date:** 07/13/20**SAMPLE RESULTS**

Lab ID: L2029051-03 D

Client ID: SG-3

Sample Location: 10-16 BEACH 19 TH STREET, QUEENS,  
NEW YORK, 11691

Date Collected: 07/09/20 12:42

Date Received: 07/09/20

Field Prep: Not Specified

Sample Depth:

| Parameter                                | ppbV    |       |     | ug/m3   |      |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL   | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |       |     |         |      |     |           |                 |
| Ethyl Acetate                            | ND      | 1.00  | --  | ND      | 3.60 | --  |           | 2               |
| Chloroform                               | ND      | 0.400 | --  | ND      | 1.95 | --  |           | 2               |
| Tetrahydrofuran                          | ND      | 1.00  | --  | ND      | 2.95 | --  |           | 2               |
| 1,2-Dichloroethane                       | ND      | 0.400 | --  | ND      | 1.62 | --  |           | 2               |
| n-Hexane                                 | ND      | 0.400 | --  | ND      | 1.41 | --  |           | 2               |
| 1,1,1-Trichloroethane                    | ND      | 0.400 | --  | ND      | 2.18 | --  |           | 2               |
| Benzene                                  | 0.928   | 0.400 | --  | 2.96    | 1.28 | --  |           | 2               |
| Carbon tetrachloride                     | ND      | 0.400 | --  | ND      | 2.52 | --  |           | 2               |
| Cyclohexane                              | ND      | 0.400 | --  | ND      | 1.38 | --  |           | 2               |
| 1,2-Dichloropropane                      | ND      | 0.400 | --  | ND      | 1.85 | --  |           | 2               |
| Bromodichloromethane                     | ND      | 0.400 | --  | ND      | 2.68 | --  |           | 2               |
| 1,4-Dioxane                              | ND      | 0.400 | --  | ND      | 1.44 | --  |           | 2               |
| Trichloroethene                          | ND      | 0.400 | --  | ND      | 2.15 | --  |           | 2               |
| 2,2,4-Trimethylpentane                   | ND      | 0.400 | --  | ND      | 1.87 | --  |           | 2               |
| Heptane                                  | 0.518   | 0.400 | --  | 2.12    | 1.64 | --  |           | 2               |
| cis-1,3-Dichloropropene                  | ND      | 0.400 | --  | ND      | 1.82 | --  |           | 2               |
| 4-Methyl-2-pentanone                     | ND      | 1.00  | --  | ND      | 4.10 | --  |           | 2               |
| trans-1,3-Dichloropropene                | ND      | 0.400 | --  | ND      | 1.82 | --  |           | 2               |
| 1,1,2-Trichloroethane                    | ND      | 0.400 | --  | ND      | 2.18 | --  |           | 2               |
| Toluene                                  | 1.04    | 0.400 | --  | 3.92    | 1.51 | --  |           | 2               |
| 2-Hexanone                               | ND      | 0.400 | --  | ND      | 1.64 | --  |           | 2               |
| Dibromochloromethane                     | ND      | 0.400 | --  | ND      | 3.41 | --  |           | 2               |
| 1,2-Dibromoethane                        | ND      | 0.400 | --  | ND      | 3.07 | --  |           | 2               |
| Tetrachloroethene                        | 140     | 0.400 | --  | 949     | 2.71 | --  |           | 2               |
| Chlorobenzene                            | ND      | 0.400 | --  | ND      | 1.84 | --  |           | 2               |
| Ethylbenzene                             | ND      | 0.400 | --  | ND      | 1.74 | --  |           | 2               |



**Project Name:** 20-286219.1**Lab Number:** L2029051**Project Number:** 20-286219.1**Report Date:** 07/13/20**SAMPLE RESULTS**

Lab ID: L2029051-03 D

Date Collected: 07/09/20 12:42

Client ID: SG-3

Date Received: 07/09/20

Sample Location: 10-16 BEACH 19 TH STREET, QUEENS,  
NEW YORK, 11691

Field Prep: Not Specified

Sample Depth:

| Parameter                                | ppbV    |       |     | ug/m3   |      |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL   | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |       |     |         |      |     |           |                 |
| p/m-Xylene                               | 0.866   | 0.800 | --  | 3.76    | 3.47 | --  |           | 2               |
| Bromoform                                | ND      | 0.400 | --  | ND      | 4.14 | --  |           | 2               |
| Styrene                                  | ND      | 0.400 | --  | ND      | 1.70 | --  |           | 2               |
| 1,1,2,2-Tetrachloroethane                | ND      | 0.400 | --  | ND      | 2.75 | --  |           | 2               |
| o-Xylene                                 | 0.582   | 0.400 | --  | 2.53    | 1.74 | --  |           | 2               |
| 4-Ethyltoluene                           | ND      | 0.400 | --  | ND      | 1.97 | --  |           | 2               |
| 1,3,5-Trimethylbenzene                   | 0.684   | 0.400 | --  | 3.36    | 1.97 | --  |           | 2               |
| 1,2,4-Trimethylbenzene                   | 1.05    | 0.400 | --  | 5.16    | 1.97 | --  |           | 2               |
| Benzyl chloride                          | ND      | 0.400 | --  | ND      | 2.07 | --  |           | 2               |
| 1,3-Dichlorobenzene                      | ND      | 0.400 | --  | ND      | 2.40 | --  |           | 2               |
| 1,4-Dichlorobenzene                      | ND      | 0.400 | --  | ND      | 2.40 | --  |           | 2               |
| 1,2-Dichlorobenzene                      | ND      | 0.400 | --  | ND      | 2.40 | --  |           | 2               |
| 1,2,4-Trichlorobenzene                   | ND      | 0.400 | --  | ND      | 2.97 | --  |           | 2               |
| Hexachlorobutadiene                      | ND      | 0.400 | --  | ND      | 4.27 | --  |           | 2               |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 101        |           | 60-140              |
| Bromochloromethane  | 101        |           | 60-140              |
| chlorobenzene-d5    | 98         |           | 60-140              |



**Project Name:** 20-286219.1**Project Number:** 20-286219.1**Lab Number:** L2029051**Report Date:** 07/13/20**SAMPLE RESULTS**

Lab ID: L2029051-04  
 Client ID: SG-4  
 Sample Location: 10-16 BEACH 19 TH STREET, QUEENS,  
 NEW YORK, 11691

Date Collected: 07/09/20 12:54  
 Date Received: 07/09/20  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15  
 Analytical Date: 07/11/20 22:40  
 Analyst: TS

| Parameter                                | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |       |     |         |       |     |           |                 |
| Dichlorodifluoromethane                  | 0.685   | 0.200 | --  | 3.39    | 0.989 | --  |           | 1               |
| Chloromethane                            | ND      | 0.200 | --  | ND      | 0.413 | --  |           | 1               |
| Freon-114                                | ND      | 0.200 | --  | ND      | 1.40  | --  |           | 1               |
| Vinyl chloride                           | ND      | 0.200 | --  | ND      | 0.511 | --  |           | 1               |
| 1,3-Butadiene                            | 0.876   | 0.200 | --  | 1.94    | 0.442 | --  |           | 1               |
| Bromomethane                             | ND      | 0.200 | --  | ND      | 0.777 | --  |           | 1               |
| Chloroethane                             | ND      | 0.200 | --  | ND      | 0.528 | --  |           | 1               |
| Ethanol                                  | 6.94    | 5.00  | --  | 13.1    | 9.42  | --  |           | 1               |
| Vinyl bromide                            | ND      | 0.200 | --  | ND      | 0.874 | --  |           | 1               |
| Acetone                                  | 4.74    | 1.00  | --  | 11.3    | 2.38  | --  |           | 1               |
| Trichlorofluoromethane                   | 0.312   | 0.200 | --  | 1.75    | 1.12  | --  |           | 1               |
| Isopropanol                              | ND      | 0.500 | --  | ND      | 1.23  | --  |           | 1               |
| 1,1-Dichloroethene                       | ND      | 0.200 | --  | ND      | 0.793 | --  |           | 1               |
| Tertiary butyl Alcohol                   | ND      | 0.500 | --  | ND      | 1.52  | --  |           | 1               |
| Methylene chloride                       | ND      | 0.500 | --  | ND      | 1.74  | --  |           | 1               |
| 3-Chloropropene                          | ND      | 0.200 | --  | ND      | 0.626 | --  |           | 1               |
| Carbon disulfide                         | 0.665   | 0.200 | --  | 2.07    | 0.623 | --  |           | 1               |
| Freon-113                                | ND      | 0.200 | --  | ND      | 1.53  | --  |           | 1               |
| trans-1,2-Dichloroethene                 | ND      | 0.200 | --  | ND      | 0.793 | --  |           | 1               |
| 1,1-Dichloroethane                       | ND      | 0.200 | --  | ND      | 0.809 | --  |           | 1               |
| Methyl tert butyl ether                  | ND      | 0.200 | --  | ND      | 0.721 | --  |           | 1               |
| 2-Butanone                               | 0.751   | 0.500 | --  | 2.21    | 1.47  | --  |           | 1               |
| cis-1,2-Dichloroethene                   | ND      | 0.200 | --  | ND      | 0.793 | --  |           | 1               |



**Project Name:** 20-286219.1**Lab Number:** L2029051**Project Number:** 20-286219.1**Report Date:** 07/13/20**SAMPLE RESULTS**

Lab ID: L2029051-04

Client ID: SG-4

Sample Location: 10-16 BEACH 19 TH STREET, QUEENS,  
NEW YORK, 11691

Date Collected: 07/09/20 12:54

Date Received: 07/09/20

Field Prep: Not Specified

Sample Depth:

| Parameter                                | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |       |     |         |       |     |           |                 |
| Ethyl Acetate                            | ND      | 0.500 | --  | ND      | 1.80  | --  |           | 1               |
| Chloroform                               | 0.357   | 0.200 | --  | 1.74    | 0.977 | --  |           | 1               |
| Tetrahydrofuran                          | ND      | 0.500 | --  | ND      | 1.47  | --  |           | 1               |
| 1,2-Dichloroethane                       | ND      | 0.200 | --  | ND      | 0.809 | --  |           | 1               |
| n-Hexane                                 | 0.774   | 0.200 | --  | 2.73    | 0.705 | --  |           | 1               |
| 1,1,1-Trichloroethane                    | 0.218   | 0.200 | --  | 1.19    | 1.09  | --  |           | 1               |
| Benzene                                  | 0.247   | 0.200 | --  | 0.789   | 0.639 | --  |           | 1               |
| Carbon tetrachloride                     | ND      | 0.200 | --  | ND      | 1.26  | --  |           | 1               |
| Cyclohexane                              | 0.525   | 0.200 | --  | 1.81    | 0.688 | --  |           | 1               |
| 1,2-Dichloropropane                      | ND      | 0.200 | --  | ND      | 0.924 | --  |           | 1               |
| Bromodichloromethane                     | ND      | 0.200 | --  | ND      | 1.34  | --  |           | 1               |
| 1,4-Dioxane                              | ND      | 0.200 | --  | ND      | 0.721 | --  |           | 1               |
| Trichloroethene                          | ND      | 0.200 | --  | ND      | 1.07  | --  |           | 1               |
| 2,2,4-Trimethylpentane                   | ND      | 0.200 | --  | ND      | 0.934 | --  |           | 1               |
| Heptane                                  | 0.487   | 0.200 | --  | 2.00    | 0.820 | --  |           | 1               |
| cis-1,3-Dichloropropene                  | ND      | 0.200 | --  | ND      | 0.908 | --  |           | 1               |
| 4-Methyl-2-pentanone                     | ND      | 0.500 | --  | ND      | 2.05  | --  |           | 1               |
| trans-1,3-Dichloropropene                | ND      | 0.200 | --  | ND      | 0.908 | --  |           | 1               |
| 1,1,2-Trichloroethane                    | ND      | 0.200 | --  | ND      | 1.09  | --  |           | 1               |
| Toluene                                  | 0.262   | 0.200 | --  | 0.987   | 0.754 | --  |           | 1               |
| 2-Hexanone                               | ND      | 0.200 | --  | ND      | 0.820 | --  |           | 1               |
| Dibromochloromethane                     | ND      | 0.200 | --  | ND      | 1.70  | --  |           | 1               |
| 1,2-Dibromoethane                        | ND      | 0.200 | --  | ND      | 1.54  | --  |           | 1               |
| Tetrachloroethene                        | 13.4    | 0.200 | --  | 90.9    | 1.36  | --  |           | 1               |
| Chlorobenzene                            | ND      | 0.200 | --  | ND      | 0.921 | --  |           | 1               |
| Ethylbenzene                             | 0.222   | 0.200 | --  | 0.964   | 0.869 | --  |           | 1               |



**Project Name:** 20-286219.1**Lab Number:** L2029051**Project Number:** 20-286219.1**Report Date:** 07/13/20**SAMPLE RESULTS****Lab ID:** L2029051-04**Date Collected:** 07/09/20 12:54**Client ID:** SG-4**Date Received:** 07/09/20**Sample Location:** 10-16 BEACH 19 TH STREET, QUEENS,  
NEW YORK, 11691**Field Prep:** Not Specified**Sample Depth:**

| Parameter                                | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |       |     |         |       |     |           |                 |
| p/m-Xylene                               | 0.401   | 0.400 | --  | 1.74    | 1.74  | --  |           | 1               |
| Bromoform                                | ND      | 0.200 | --  | ND      | 2.07  | --  |           | 1               |
| Styrene                                  | ND      | 0.200 | --  | ND      | 0.852 | --  |           | 1               |
| 1,1,2,2-Tetrachloroethane                | ND      | 0.200 | --  | ND      | 1.37  | --  |           | 1               |
| o-Xylene                                 | 0.234   | 0.200 | --  | 1.02    | 0.869 | --  |           | 1               |
| 4-Ethyltoluene                           | 0.224   | 0.200 | --  | 1.10    | 0.983 | --  |           | 1               |
| 1,3,5-Trimethylbenzene                   | 0.436   | 0.200 | --  | 2.14    | 0.983 | --  |           | 1               |
| 1,2,4-Trimethylbenzene                   | 0.682   | 0.200 | --  | 3.35    | 0.983 | --  |           | 1               |
| Benzyl chloride                          | ND      | 0.200 | --  | ND      | 1.04  | --  |           | 1               |
| 1,3-Dichlorobenzene                      | ND      | 0.200 | --  | ND      | 1.20  | --  |           | 1               |
| 1,4-Dichlorobenzene                      | ND      | 0.200 | --  | ND      | 1.20  | --  |           | 1               |
| 1,2-Dichlorobenzene                      | ND      | 0.200 | --  | ND      | 1.20  | --  |           | 1               |
| 1,2,4-Trichlorobenzene                   | ND      | 0.200 | --  | ND      | 1.48  | --  |           | 1               |
| Hexachlorobutadiene                      | ND      | 0.200 | --  | ND      | 2.13  | --  |           | 1               |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 101        |           | 60-140              |
| Bromochloromethane  | 101        |           | 60-140              |
| chlorobenzene-d5    | 98         |           | 60-140              |



Project Name: 20-286219.1

Lab Number: L2029051

Project Number: 20-286219.1

Report Date: 07/13/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 07/11/20 16:14

| Parameter                                                                        | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|----------------------------------------------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                                                                  | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab for sample(s): 01-04 Batch: WG1391163-4 |         |       |     |         |       |     |           |                 |
| Dichlorodifluoromethane                                                          | ND      | 0.200 | --  | ND      | 0.989 | --  |           | 1               |
| Chloromethane                                                                    | ND      | 0.200 | --  | ND      | 0.413 | --  |           | 1               |
| Freon-114                                                                        | ND      | 0.200 | --  | ND      | 1.40  | --  |           | 1               |
| Vinyl chloride                                                                   | ND      | 0.200 | --  | ND      | 0.511 | --  |           | 1               |
| 1,3-Butadiene                                                                    | ND      | 0.200 | --  | ND      | 0.442 | --  |           | 1               |
| Bromomethane                                                                     | ND      | 0.200 | --  | ND      | 0.777 | --  |           | 1               |
| Chloroethane                                                                     | ND      | 0.200 | --  | ND      | 0.528 | --  |           | 1               |
| Ethanol                                                                          | ND      | 5.00  | --  | ND      | 9.42  | --  |           | 1               |
| Vinyl bromide                                                                    | ND      | 0.200 | --  | ND      | 0.874 | --  |           | 1               |
| Acetone                                                                          | ND      | 1.00  | --  | ND      | 2.38  | --  |           | 1               |
| Trichlorofluoromethane                                                           | ND      | 0.200 | --  | ND      | 1.12  | --  |           | 1               |
| Isopropanol                                                                      | ND      | 0.500 | --  | ND      | 1.23  | --  |           | 1               |
| 1,1-Dichloroethene                                                               | ND      | 0.200 | --  | ND      | 0.793 | --  |           | 1               |
| Tertiary butyl Alcohol                                                           | ND      | 0.500 | --  | ND      | 1.52  | --  |           | 1               |
| Methylene chloride                                                               | ND      | 0.500 | --  | ND      | 1.74  | --  |           | 1               |
| 3-Chloropropene                                                                  | ND      | 0.200 | --  | ND      | 0.626 | --  |           | 1               |
| Carbon disulfide                                                                 | ND      | 0.200 | --  | ND      | 0.623 | --  |           | 1               |
| Freon-113                                                                        | ND      | 0.200 | --  | ND      | 1.53  | --  |           | 1               |
| trans-1,2-Dichloroethene                                                         | ND      | 0.200 | --  | ND      | 0.793 | --  |           | 1               |
| 1,1-Dichloroethane                                                               | ND      | 0.200 | --  | ND      | 0.809 | --  |           | 1               |
| Methyl tert butyl ether                                                          | ND      | 0.200 | --  | ND      | 0.721 | --  |           | 1               |
| 2-Butanone                                                                       | ND      | 0.500 | --  | ND      | 1.47  | --  |           | 1               |
| cis-1,2-Dichloroethene                                                           | ND      | 0.200 | --  | ND      | 0.793 | --  |           | 1               |
| Ethyl Acetate                                                                    | ND      | 0.500 | --  | ND      | 1.80  | --  |           | 1               |
| Chloroform                                                                       | ND      | 0.200 | --  | ND      | 0.977 | --  |           | 1               |





Project Name: 20-286219.1

Lab Number: L2029051

Project Number: 20-286219.1

Report Date: 07/13/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 07/11/20 16:14

| Parameter                                                                        | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|----------------------------------------------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                                                                  | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab for sample(s): 01-04 Batch: WG1391163-4 |         |       |     |         |       |     |           |                 |
| Tetrahydrofuran                                                                  | ND      | 0.500 | --  | ND      | 1.47  | --  |           | 1               |
| 1,2-Dichloroethane                                                               | ND      | 0.200 | --  | ND      | 0.809 | --  |           | 1               |
| n-Hexane                                                                         | ND      | 0.200 | --  | ND      | 0.705 | --  |           | 1               |
| 1,1,1-Trichloroethane                                                            | ND      | 0.200 | --  | ND      | 1.09  | --  |           | 1               |
| Benzene                                                                          | ND      | 0.200 | --  | ND      | 0.639 | --  |           | 1               |
| Carbon tetrachloride                                                             | ND      | 0.200 | --  | ND      | 1.26  | --  |           | 1               |
| Cyclohexane                                                                      | ND      | 0.200 | --  | ND      | 0.688 | --  |           | 1               |
| 1,2-Dichloropropane                                                              | ND      | 0.200 | --  | ND      | 0.924 | --  |           | 1               |
| Bromodichloromethane                                                             | ND      | 0.200 | --  | ND      | 1.34  | --  |           | 1               |
| 1,4-Dioxane                                                                      | ND      | 0.200 | --  | ND      | 0.721 | --  |           | 1               |
| Trichloroethene                                                                  | ND      | 0.200 | --  | ND      | 1.07  | --  |           | 1               |
| 2,2,4-Trimethylpentane                                                           | ND      | 0.200 | --  | ND      | 0.934 | --  |           | 1               |
| Heptane                                                                          | ND      | 0.200 | --  | ND      | 0.820 | --  |           | 1               |
| cis-1,3-Dichloropropene                                                          | ND      | 0.200 | --  | ND      | 0.908 | --  |           | 1               |
| 4-Methyl-2-pentanone                                                             | ND      | 0.500 | --  | ND      | 2.05  | --  |           | 1               |
| trans-1,3-Dichloropropene                                                        | ND      | 0.200 | --  | ND      | 0.908 | --  |           | 1               |
| 1,1,2-Trichloroethane                                                            | ND      | 0.200 | --  | ND      | 1.09  | --  |           | 1               |
| Toluene                                                                          | ND      | 0.200 | --  | ND      | 0.754 | --  |           | 1               |
| 2-Hexanone                                                                       | ND      | 0.200 | --  | ND      | 0.820 | --  |           | 1               |
| Dibromochloromethane                                                             | ND      | 0.200 | --  | ND      | 1.70  | --  |           | 1               |
| 1,2-Dibromoethane                                                                | ND      | 0.200 | --  | ND      | 1.54  | --  |           | 1               |
| Tetrachloroethene                                                                | ND      | 0.200 | --  | ND      | 1.36  | --  |           | 1               |
| Chlorobenzene                                                                    | ND      | 0.200 | --  | ND      | 0.921 | --  |           | 1               |
| Ethylbenzene                                                                     | ND      | 0.200 | --  | ND      | 0.869 | --  |           | 1               |
| p/m-Xylene                                                                       | ND      | 0.400 | --  | ND      | 1.74  | --  |           | 1               |



Project Name: 20-286219.1

Lab Number: L2029051

Project Number: 20-286219.1

Report Date: 07/13/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 07/11/20 16:14

| Parameter                                                                        | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|----------------------------------------------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                                                                  | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab for sample(s): 01-04 Batch: WG1391163-4 |         |       |     |         |       |     |           |                 |
| Bromoform                                                                        | ND      | 0.200 | --  | ND      | 2.07  | --  |           | 1               |
| Styrene                                                                          | ND      | 0.200 | --  | ND      | 0.852 | --  |           | 1               |
| 1,1,2,2-Tetrachloroethane                                                        | ND      | 0.200 | --  | ND      | 1.37  | --  |           | 1               |
| o-Xylene                                                                         | ND      | 0.200 | --  | ND      | 0.869 | --  |           | 1               |
| 4-Ethyltoluene                                                                   | ND      | 0.200 | --  | ND      | 0.983 | --  |           | 1               |
| 1,3,5-Trimethylbenzene                                                           | ND      | 0.200 | --  | ND      | 0.983 | --  |           | 1               |
| 1,2,4-Trimethylbenzene                                                           | ND      | 0.200 | --  | ND      | 0.983 | --  |           | 1               |
| Benzyl chloride                                                                  | ND      | 0.200 | --  | ND      | 1.04  | --  |           | 1               |
| 1,3-Dichlorobenzene                                                              | ND      | 0.200 | --  | ND      | 1.20  | --  |           | 1               |
| 1,4-Dichlorobenzene                                                              | ND      | 0.200 | --  | ND      | 1.20  | --  |           | 1               |
| 1,2-Dichlorobenzene                                                              | ND      | 0.200 | --  | ND      | 1.20  | --  |           | 1               |
| 1,2,4-Trichlorobenzene                                                           | ND      | 0.200 | --  | ND      | 1.48  | --  |           | 1               |
| Hexachlorobutadiene                                                              | ND      | 0.200 | --  | ND      | 2.13  | --  |           | 1               |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 20-286219.1

Project Number: 20-286219.1

Lab Number: L2029051

Report Date: 07/13/20

| Parameter                                                                               | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 Batch: WG1391163-3 |                  |      |                   |      |                     |     |      |               |
| Dichlorodifluoromethane                                                                 | 111              |      | -                 |      | 70-130              | -   |      |               |
| Chloromethane                                                                           | 104              |      | -                 |      | 70-130              | -   |      |               |
| Freon-114                                                                               | 110              |      | -                 |      | 70-130              | -   |      |               |
| Vinyl chloride                                                                          | 108              |      | -                 |      | 70-130              | -   |      |               |
| 1,3-Butadiene                                                                           | 111              |      | -                 |      | 70-130              | -   |      |               |
| Bromomethane                                                                            | 109              |      | -                 |      | 70-130              | -   |      |               |
| Chloroethane                                                                            | 110              |      | -                 |      | 70-130              | -   |      |               |
| Ethanol                                                                                 | 99               |      | -                 |      | 40-160              | -   |      |               |
| Vinyl bromide                                                                           | 108              |      | -                 |      | 70-130              | -   |      |               |
| Acetone                                                                                 | 88               |      | -                 |      | 40-160              | -   |      |               |
| Trichlorofluoromethane                                                                  | 114              |      | -                 |      | 70-130              | -   |      |               |
| Isopropanol                                                                             | 91               |      | -                 |      | 40-160              | -   |      |               |
| 1,1-Dichloroethene                                                                      | 109              |      | -                 |      | 70-130              | -   |      |               |
| Tertiary butyl Alcohol                                                                  | 105              |      | -                 |      | 70-130              | -   |      |               |
| Methylene chloride                                                                      | 106              |      | -                 |      | 70-130              | -   |      |               |
| 3-Chloropropene                                                                         | 116              |      | -                 |      | 70-130              | -   |      |               |
| Carbon disulfide                                                                        | 103              |      | -                 |      | 70-130              | -   |      |               |
| Freon-113                                                                               | 113              |      | -                 |      | 70-130              | -   |      |               |
| trans-1,2-Dichloroethene                                                                | 109              |      | -                 |      | 70-130              | -   |      |               |
| 1,1-Dichloroethane                                                                      | 110              |      | -                 |      | 70-130              | -   |      |               |
| Methyl tert butyl ether                                                                 | 106              |      | -                 |      | 70-130              | -   |      |               |
| 2-Butanone                                                                              | 113              |      | -                 |      | 70-130              | -   |      |               |
| cis-1,2-Dichloroethene                                                                  | 113              |      | -                 |      | 70-130              | -   |      |               |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 20-286219.1

Project Number: 20-286219.1

Lab Number: L2029051

Report Date: 07/13/20

| Parameter                                                                               | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 Batch: WG1391163-3 |                  |      |                   |      |                     |     |      |               |
| Ethyl Acetate                                                                           | 128              |      | -                 |      | 70-130              | -   |      |               |
| Chloroform                                                                              | 111              |      | -                 |      | 70-130              | -   |      |               |
| Tetrahydrofuran                                                                         | 113              |      | -                 |      | 70-130              | -   |      |               |
| 1,2-Dichloroethane                                                                      | 103              |      | -                 |      | 70-130              | -   |      |               |
| n-Hexane                                                                                | 110              |      | -                 |      | 70-130              | -   |      |               |
| 1,1,1-Trichloroethane                                                                   | 102              |      | -                 |      | 70-130              | -   |      |               |
| Benzene                                                                                 | 104              |      | -                 |      | 70-130              | -   |      |               |
| Carbon tetrachloride                                                                    | 107              |      | -                 |      | 70-130              | -   |      |               |
| Cyclohexane                                                                             | 112              |      | -                 |      | 70-130              | -   |      |               |
| 1,2-Dichloropropane                                                                     | 111              |      | -                 |      | 70-130              | -   |      |               |
| Bromodichloromethane                                                                    | 110              |      | -                 |      | 70-130              | -   |      |               |
| 1,4-Dioxane                                                                             | 112              |      | -                 |      | 70-130              | -   |      |               |
| Trichloroethene                                                                         | 111              |      | -                 |      | 70-130              | -   |      |               |
| 2,2,4-Trimethylpentane                                                                  | 114              |      | -                 |      | 70-130              | -   |      |               |
| Heptane                                                                                 | 109              |      | -                 |      | 70-130              | -   |      |               |
| cis-1,3-Dichloropropene                                                                 | 111              |      | -                 |      | 70-130              | -   |      |               |
| 4-Methyl-2-pentanone                                                                    | 110              |      | -                 |      | 70-130              | -   |      |               |
| trans-1,3-Dichloropropene                                                               | 94               |      | -                 |      | 70-130              | -   |      |               |
| 1,1,2-Trichloroethane                                                                   | 113              |      | -                 |      | 70-130              | -   |      |               |
| Toluene                                                                                 | 114              |      | -                 |      | 70-130              | -   |      |               |
| 2-Hexanone                                                                              | 111              |      | -                 |      | 70-130              | -   |      |               |
| Dibromochloromethane                                                                    | 123              |      | -                 |      | 70-130              | -   |      |               |
| 1,2-Dibromoethane                                                                       | 115              |      | -                 |      | 70-130              | -   |      |               |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 20-286219.1

Project Number: 20-286219.1

Lab Number: L2029051

Report Date: 07/13/20

| Parameter                                                                               | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 Batch: WG1391163-3 |                  |      |                   |      |                     |     |      |               |
| Tetrachloroethene                                                                       | 116              |      | -                 |      | 70-130              | -   |      |               |
| Chlorobenzene                                                                           | 115              |      | -                 |      | 70-130              | -   |      |               |
| Ethylbenzene                                                                            | 118              |      | -                 |      | 70-130              | -   |      |               |
| p/m-Xylene                                                                              | 117              |      | -                 |      | 70-130              | -   |      |               |
| Bromoform                                                                               | 130              |      | -                 |      | 70-130              | -   |      |               |
| Styrene                                                                                 | 118              |      | -                 |      | 70-130              | -   |      |               |
| 1,1,2,2-Tetrachloroethane                                                               | 126              |      | -                 |      | 70-130              | -   |      |               |
| o-Xylene                                                                                | 119              |      | -                 |      | 70-130              | -   |      |               |
| 4-Ethyltoluene                                                                          | 121              |      | -                 |      | 70-130              | -   |      |               |
| 1,3,5-Trimethylbenzene                                                                  | 120              |      | -                 |      | 70-130              | -   |      |               |
| 1,2,4-Trimethylbenzene                                                                  | 125              |      | -                 |      | 70-130              | -   |      |               |
| Benzyl chloride                                                                         | 127              |      | -                 |      | 70-130              | -   |      |               |
| 1,3-Dichlorobenzene                                                                     | 121              |      | -                 |      | 70-130              | -   |      |               |
| 1,4-Dichlorobenzene                                                                     | 116              |      | -                 |      | 70-130              | -   |      |               |
| 1,2-Dichlorobenzene                                                                     | 124              |      | -                 |      | 70-130              | -   |      |               |
| 1,2,4-Trichlorobenzene                                                                  | 116              |      | -                 |      | 70-130              | -   |      |               |
| Hexachlorobutadiene                                                                     | 136              | Q    | -                 |      | 70-130              | -   |      |               |

Project Name: 20-286219.1

Project Number: 20-286219.1

Serial\_No:07132013:17  
Lab Number: L2029051

Report Date: 07/13/20

### Canister and Flow Controller Information

| Samplenum   | Client ID | Media ID | Media Type | Date Prepared | Bottle Order | Cleaning Batch ID | Can Leak Check | Initial Pressure (in. Hg) | Pressure on Receipt (in. Hg) | Flow Controller Leak Chk | Flow Out mL/min | Flow In mL/min | % RPD |
|-------------|-----------|----------|------------|---------------|--------------|-------------------|----------------|---------------------------|------------------------------|--------------------------|-----------------|----------------|-------|
| L2029051-01 | SG-1      | 0889     | SV200      | 07/08/20      | 325741       |                   | -              | -                         | -                            | Pass                     | 219             | 227            | 4     |
| L2029051-01 | SG-1      | 507      | 2.7L Can   | 07/08/20      | 325741       | L2027466-02       | Pass           | -29.4                     | 0.0                          | -                        | -               | -              | -     |
| L2029051-02 | SG-2      | 0888     | SV200      | 07/08/20      | 325741       |                   | -              | -                         | -                            | Pass                     | 217             | 226            | 4     |
| L2029051-02 | SG-2      | 251      | 2.7L Can   | 07/08/20      | 325741       | L2027466-02       | Pass           | -29.4                     | 0.0                          | -                        | -               | -              | -     |
| L2029051-03 | SG-3      | 01907    | SV200      | 07/08/20      | 325741       |                   | -              | -                         | -                            | Pass                     | 218             | 227            | 4     |
| L2029051-03 | SG-3      | 561      | 2.7L Can   | 07/08/20      | 325741       | L2027466-02       | Pass           | -29.4                     | 0.0                          | -                        | -               | -              | -     |
| L2029051-04 | SG-4      | 0514     | SV200      | 07/08/20      | 325741       |                   | -              | -                         | -                            | Pass                     | 217             | 226            | 4     |
| L2029051-04 | SG-4      | 1745     | 2.7L Can   | 07/08/20      | 325741       | L2027466-02       | Pass           | -29.4                     | 0.0                          | -                        | -               | -              | -     |

**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2027466  
**Report Date:** 07/13/20

### Air Canister Certification Results

**Lab ID:** L2027466-02  
**Client ID:** CAN 1728 SHELF 3  
**Sample Location:**

**Date Collected:** 06/29/20 16:00  
**Date Received:** 06/30/20  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Air  
**Analytical Method:** 48,TO-15  
**Analytical Date:** 07/03/20 21:50  
**Analyst:** RY

| Parameter                                | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |       |     |         |       |     |           |                 |
| Chlorodifluoromethane                    | ND      | 0.200 | --  | ND      | 0.707 | --  |           | 1               |
| Propylene                                | ND      | 0.500 | --  | ND      | 0.861 | --  |           | 1               |
| Propane                                  | ND      | 0.500 | --  | ND      | 0.902 | --  |           | 1               |
| Dichlorodifluoromethane                  | ND      | 0.200 | --  | ND      | 0.989 | --  |           | 1               |
| Chloromethane                            | ND      | 0.200 | --  | ND      | 0.413 | --  |           | 1               |
| Freon-114                                | ND      | 0.200 | --  | ND      | 1.40  | --  |           | 1               |
| Methanol                                 | ND      | 5.00  | --  | ND      | 6.55  | --  |           | 1               |
| Vinyl chloride                           | ND      | 0.200 | --  | ND      | 0.511 | --  |           | 1               |
| 1,3-Butadiene                            | ND      | 0.200 | --  | ND      | 0.442 | --  |           | 1               |
| Butane                                   | ND      | 0.200 | --  | ND      | 0.475 | --  |           | 1               |
| Bromomethane                             | ND      | 0.200 | --  | ND      | 0.777 | --  |           | 1               |
| Chloroethane                             | ND      | 0.200 | --  | ND      | 0.528 | --  |           | 1               |
| Ethanol                                  | ND      | 5.00  | --  | ND      | 9.42  | --  |           | 1               |
| Dichlorofluoromethane                    | ND      | 0.200 | --  | ND      | 0.842 | --  |           | 1               |
| Vinyl bromide                            | ND      | 0.200 | --  | ND      | 0.874 | --  |           | 1               |
| Acrolein                                 | ND      | 0.500 | --  | ND      | 1.15  | --  |           | 1               |
| Acetone                                  | ND      | 1.00  | --  | ND      | 2.38  | --  |           | 1               |
| Acetonitrile                             | ND      | 0.200 | --  | ND      | 0.336 | --  |           | 1               |
| Trichlorofluoromethane                   | ND      | 0.200 | --  | ND      | 1.12  | --  |           | 1               |
| Isopropanol                              | ND      | 0.500 | --  | ND      | 1.23  | --  |           | 1               |
| Acrylonitrile                            | ND      | 0.500 | --  | ND      | 1.09  | --  |           | 1               |
| Pentane                                  | ND      | 0.200 | --  | ND      | 0.590 | --  |           | 1               |
| Ethyl ether                              | ND      | 0.200 | --  | ND      | 0.606 | --  |           | 1               |
| 1,1-Dichloroethene                       | ND      | 0.200 | --  | ND      | 0.793 | --  |           | 1               |



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2027466  
**Report Date:** 07/13/20

### Air Canister Certification Results

**Lab ID:** L2027466-02  
**Client ID:** CAN 1728 SHELF 3  
**Sample Location:**

**Date Collected:** 06/29/20 16:00  
**Date Received:** 06/30/20  
**Field Prep:** Not Specified

**Sample Depth:**

| Parameter                                | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |       |     |         |       |     |           |                 |
| Tertiary butyl Alcohol                   | ND      | 0.500 | --  | ND      | 1.52  | --  |           | 1               |
| Methylene chloride                       | ND      | 0.500 | --  | ND      | 1.74  | --  |           | 1               |
| 3-Chloropropene                          | ND      | 0.200 | --  | ND      | 0.626 | --  |           | 1               |
| Carbon disulfide                         | ND      | 0.200 | --  | ND      | 0.623 | --  |           | 1               |
| Freon-113                                | ND      | 0.200 | --  | ND      | 1.53  | --  |           | 1               |
| trans-1,2-Dichloroethene                 | ND      | 0.200 | --  | ND      | 0.793 | --  |           | 1               |
| 1,1-Dichloroethane                       | ND      | 0.200 | --  | ND      | 0.809 | --  |           | 1               |
| Methyl tert butyl ether                  | ND      | 0.200 | --  | ND      | 0.721 | --  |           | 1               |
| Vinyl acetate                            | ND      | 1.00  | --  | ND      | 3.52  | --  |           | 1               |
| 2-Butanone                               | ND      | 0.500 | --  | ND      | 1.47  | --  |           | 1               |
| Xylenes, total                           | ND      | 0.600 | --  | ND      | 0.869 | --  |           | 1               |
| cis-1,2-Dichloroethene                   | ND      | 0.200 | --  | ND      | 0.793 | --  |           | 1               |
| Ethyl Acetate                            | ND      | 0.500 | --  | ND      | 1.80  | --  |           | 1               |
| Chloroform                               | ND      | 0.200 | --  | ND      | 0.977 | --  |           | 1               |
| Tetrahydrofuran                          | ND      | 0.500 | --  | ND      | 1.47  | --  |           | 1               |
| 2,2-Dichloropropane                      | ND      | 0.200 | --  | ND      | 0.924 | --  |           | 1               |
| 1,2-Dichloroethane                       | ND      | 0.200 | --  | ND      | 0.809 | --  |           | 1               |
| n-Hexane                                 | ND      | 0.200 | --  | ND      | 0.705 | --  |           | 1               |
| Diisopropyl ether                        | ND      | 0.200 | --  | ND      | 0.836 | --  |           | 1               |
| tert-Butyl Ethyl Ether                   | ND      | 0.200 | --  | ND      | 0.836 | --  |           | 1               |
| 1,2-Dichloroethene (total)               | ND      | 1.00  | --  | ND      | 1.00  | --  |           | 1               |
| 1,1,1-Trichloroethane                    | ND      | 0.200 | --  | ND      | 1.09  | --  |           | 1               |
| 1,1-Dichloropropene                      | ND      | 0.200 | --  | ND      | 0.908 | --  |           | 1               |
| Benzene                                  | ND      | 0.200 | --  | ND      | 0.639 | --  |           | 1               |
| Carbon tetrachloride                     | ND      | 0.200 | --  | ND      | 1.26  | --  |           | 1               |
| Cyclohexane                              | ND      | 0.200 | --  | ND      | 0.688 | --  |           | 1               |
| tert-Amyl Methyl Ether                   | ND      | 0.200 | --  | ND      | 0.836 | --  |           | 1               |





**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2027466  
**Report Date:** 07/13/20

### Air Canister Certification Results

**Lab ID:** L2027466-02  
**Client ID:** CAN 1728 SHELF 3  
**Sample Location:**

**Date Collected:** 06/29/20 16:00  
**Date Received:** 06/30/20  
**Field Prep:** Not Specified

**Sample Depth:**

| Parameter                                | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |       |     |         |       |     |           |                 |
| Dibromomethane                           | ND      | 0.200 | --  | ND      | 1.42  | --  |           | 1               |
| 1,2-Dichloropropane                      | ND      | 0.200 | --  | ND      | 0.924 | --  |           | 1               |
| Bromodichloromethane                     | ND      | 0.200 | --  | ND      | 1.34  | --  |           | 1               |
| 1,4-Dioxane                              | ND      | 0.200 | --  | ND      | 0.721 | --  |           | 1               |
| Trichloroethene                          | ND      | 0.200 | --  | ND      | 1.07  | --  |           | 1               |
| 2,2,4-Trimethylpentane                   | ND      | 0.200 | --  | ND      | 0.934 | --  |           | 1               |
| Methyl Methacrylate                      | ND      | 0.500 | --  | ND      | 2.05  | --  |           | 1               |
| Heptane                                  | ND      | 0.200 | --  | ND      | 0.820 | --  |           | 1               |
| cis-1,3-Dichloropropene                  | ND      | 0.200 | --  | ND      | 0.908 | --  |           | 1               |
| 4-Methyl-2-pentanone                     | ND      | 0.500 | --  | ND      | 2.05  | --  |           | 1               |
| trans-1,3-Dichloropropene                | ND      | 0.200 | --  | ND      | 0.908 | --  |           | 1               |
| 1,1,2-Trichloroethane                    | ND      | 0.200 | --  | ND      | 1.09  | --  |           | 1               |
| Toluene                                  | ND      | 0.200 | --  | ND      | 0.754 | --  |           | 1               |
| 1,3-Dichloropropane                      | ND      | 0.200 | --  | ND      | 0.924 | --  |           | 1               |
| 2-Hexanone                               | ND      | 0.200 | --  | ND      | 0.820 | --  |           | 1               |
| Dibromochloromethane                     | ND      | 0.200 | --  | ND      | 1.70  | --  |           | 1               |
| 1,2-Dibromoethane                        | ND      | 0.200 | --  | ND      | 1.54  | --  |           | 1               |
| Butyl acetate                            | ND      | 0.500 | --  | ND      | 2.38  | --  |           | 1               |
| Octane                                   | ND      | 0.200 | --  | ND      | 0.934 | --  |           | 1               |
| Tetrachloroethene                        | ND      | 0.200 | --  | ND      | 1.36  | --  |           | 1               |
| 1,1,1,2-Tetrachloroethane                | ND      | 0.200 | --  | ND      | 1.37  | --  |           | 1               |
| Chlorobenzene                            | ND      | 0.200 | --  | ND      | 0.921 | --  |           | 1               |
| Ethylbenzene                             | ND      | 0.200 | --  | ND      | 0.869 | --  |           | 1               |
| p/m-Xylene                               | ND      | 0.400 | --  | ND      | 1.74  | --  |           | 1               |
| Bromoform                                | ND      | 0.200 | --  | ND      | 2.07  | --  |           | 1               |
| Styrene                                  | ND      | 0.200 | --  | ND      | 0.852 | --  |           | 1               |
| 1,1,2,2-Tetrachloroethane                | ND      | 0.200 | --  | ND      | 1.37  | --  |           | 1               |



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2027466  
**Report Date:** 07/13/20

### Air Canister Certification Results

**Lab ID:** L2027466-02  
**Client ID:** CAN 1728 SHELF 3  
**Sample Location:**

**Date Collected:** 06/29/20 16:00  
**Date Received:** 06/30/20  
**Field Prep:** Not Specified

**Sample Depth:**

| Parameter                                | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |       |     |         |       |     |           |                 |
| o-Xylene                                 | ND      | 0.200 | --  | ND      | 0.869 | --  |           | 1               |
| 1,2,3-Trichloropropane                   | ND      | 0.200 | --  | ND      | 1.21  | --  |           | 1               |
| Nonane                                   | ND      | 0.200 | --  | ND      | 1.05  | --  |           | 1               |
| Isopropylbenzene                         | ND      | 0.200 | --  | ND      | 0.983 | --  |           | 1               |
| Bromobenzene                             | ND      | 0.200 | --  | ND      | 0.793 | --  |           | 1               |
| 2-Chlorotoluene                          | ND      | 0.200 | --  | ND      | 1.04  | --  |           | 1               |
| n-Propylbenzene                          | ND      | 0.200 | --  | ND      | 0.983 | --  |           | 1               |
| 4-Chlorotoluene                          | ND      | 0.200 | --  | ND      | 1.04  | --  |           | 1               |
| 4-Ethyltoluene                           | ND      | 0.200 | --  | ND      | 0.983 | --  |           | 1               |
| 1,3,5-Trimethylbenzene                   | ND      | 0.200 | --  | ND      | 0.983 | --  |           | 1               |
| tert-Butylbenzene                        | ND      | 0.200 | --  | ND      | 1.10  | --  |           | 1               |
| 1,2,4-Trimethylbenzene                   | ND      | 0.200 | --  | ND      | 0.983 | --  |           | 1               |
| Decane                                   | ND      | 0.200 | --  | ND      | 1.16  | --  |           | 1               |
| Benzyl chloride                          | ND      | 0.200 | --  | ND      | 1.04  | --  |           | 1               |
| 1,3-Dichlorobenzene                      | ND      | 0.200 | --  | ND      | 1.20  | --  |           | 1               |
| 1,4-Dichlorobenzene                      | ND      | 0.200 | --  | ND      | 1.20  | --  |           | 1               |
| sec-Butylbenzene                         | ND      | 0.200 | --  | ND      | 1.10  | --  |           | 1               |
| p-Isopropyltoluene                       | ND      | 0.200 | --  | ND      | 1.10  | --  |           | 1               |
| 1,2-Dichlorobenzene                      | ND      | 0.200 | --  | ND      | 1.20  | --  |           | 1               |
| n-Butylbenzene                           | ND      | 0.200 | --  | ND      | 1.10  | --  |           | 1               |
| 1,2-Dibromo-3-chloropropane              | ND      | 0.200 | --  | ND      | 1.93  | --  |           | 1               |
| Undecane                                 | ND      | 0.200 | --  | ND      | 1.28  | --  |           | 1               |
| Dodecane                                 | ND      | 0.200 | --  | ND      | 1.39  | --  |           | 1               |
| 1,2,4-Trichlorobenzene                   | ND      | 0.200 | --  | ND      | 1.48  | --  |           | 1               |
| Naphthalene                              | ND      | 0.200 | --  | ND      | 1.05  | --  |           | 1               |
| 1,2,3-Trichlorobenzene                   | ND      | 0.200 | --  | ND      | 1.48  | --  |           | 1               |
| Hexachlorobutadiene                      | ND      | 0.200 | --  | ND      | 2.13  | --  |           | 1               |



**Project Name:** BATCH CANISTER CERTIFICATION**Lab Number:** L2027466**Project Number:** CANISTER QC BAT**Report Date:** 07/13/20**Air Canister Certification Results**

Lab ID: L2027466-02

Date Collected: 06/29/20 16:00

Client ID: CAN 1728 SHELF 3

Date Received: 06/30/20

Sample Location:

Field Prep: Not Specified

Sample Depth:

| Parameter                                | ppbV    |    |     | ug/m3   |    |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|----|-----|---------|----|-----|-----------|-----------------|
|                                          | Results | RL | MDL | Results | RL | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |    |     |         |    |     |           |                 |

| Results                          | Qualifier | Units | RDL | Dilution Factor |
|----------------------------------|-----------|-------|-----|-----------------|
| Tentatively Identified Compounds |           |       |     |                 |

No Tentatively Identified Compounds

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 104        |           | 60-140              |
| Bromochloromethane  | 105        |           | 60-140              |
| chlorobenzene-d5    | 104        |           | 60-140              |

**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2027466  
**Report Date:** 07/13/20

### Air Canister Certification Results

**Lab ID:** L2027466-02  
**Client ID:** CAN 1728 SHELF 3  
**Sample Location:**

**Date Collected:** 06/29/20 16:00  
**Date Received:** 06/30/20  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Air  
**Analytical Method:** 48,TO-15-SIM  
**Analytical Date:** 07/03/20 21:50  
**Analyst:** RY

| Parameter                                       | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|-------------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                                 | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air by SIM - Mansfield Lab |         |       |     |         |       |     |           |                 |
| Dichlorodifluoromethane                         | ND      | 0.200 | --  | ND      | 0.989 | --  |           | 1               |
| Chloromethane                                   | ND      | 0.200 | --  | ND      | 0.413 | --  |           | 1               |
| Freon-114                                       | ND      | 0.050 | --  | ND      | 0.349 | --  |           | 1               |
| Vinyl chloride                                  | ND      | 0.020 | --  | ND      | 0.051 | --  |           | 1               |
| 1,3-Butadiene                                   | ND      | 0.020 | --  | ND      | 0.044 | --  |           | 1               |
| Bromomethane                                    | ND      | 0.020 | --  | ND      | 0.078 | --  |           | 1               |
| Chloroethane                                    | ND      | 0.100 | --  | ND      | 0.264 | --  |           | 1               |
| Acrolein                                        | ND      | 0.050 | --  | ND      | 0.115 | --  |           | 1               |
| Acetone                                         | ND      | 1.00  | --  | ND      | 2.38  | --  |           | 1               |
| Trichlorofluoromethane                          | ND      | 0.050 | --  | ND      | 0.281 | --  |           | 1               |
| Acrylonitrile                                   | ND      | 0.500 | --  | ND      | 1.09  | --  |           | 1               |
| 1,1-Dichloroethene                              | ND      | 0.020 | --  | ND      | 0.079 | --  |           | 1               |
| Methylene chloride                              | ND      | 0.500 | --  | ND      | 1.74  | --  |           | 1               |
| Freon-113                                       | ND      | 0.050 | --  | ND      | 0.383 | --  |           | 1               |
| trans-1,2-Dichloroethene                        | ND      | 0.020 | --  | ND      | 0.079 | --  |           | 1               |
| 1,1-Dichloroethane                              | ND      | 0.020 | --  | ND      | 0.081 | --  |           | 1               |
| Methyl tert butyl ether                         | ND      | 0.200 | --  | ND      | 0.721 | --  |           | 1               |
| 2-Butanone                                      | ND      | 0.500 | --  | ND      | 1.47  | --  |           | 1               |
| cis-1,2-Dichloroethene                          | ND      | 0.020 | --  | ND      | 0.079 | --  |           | 1               |
| Chloroform                                      | ND      | 0.020 | --  | ND      | 0.098 | --  |           | 1               |
| 1,2-Dichloroethane                              | ND      | 0.020 | --  | ND      | 0.081 | --  |           | 1               |
| 1,1,1-Trichloroethane                           | ND      | 0.020 | --  | ND      | 0.109 | --  |           | 1               |
| Benzene                                         | ND      | 0.100 | --  | ND      | 0.319 | --  |           | 1               |
| Carbon tetrachloride                            | ND      | 0.020 | --  | ND      | 0.126 | --  |           | 1               |

**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2027466  
**Report Date:** 07/13/20

### Air Canister Certification Results

**Lab ID:** L2027466-02  
**Client ID:** CAN 1728 SHELF 3  
**Sample Location:**

**Date Collected:** 06/29/20 16:00  
**Date Received:** 06/30/20  
**Field Prep:** Not Specified

**Sample Depth:**

| Parameter                                       | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|-------------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                                 | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air by SIM - Mansfield Lab |         |       |     |         |       |     |           |                 |
| 1,2-Dichloropropane                             | ND      | 0.020 | --  | ND      | 0.092 | --  |           | 1               |
| Bromodichloromethane                            | ND      | 0.020 | --  | ND      | 0.134 | --  |           | 1               |
| 1,4-Dioxane                                     | ND      | 0.100 | --  | ND      | 0.360 | --  |           | 1               |
| Trichloroethene                                 | ND      | 0.020 | --  | ND      | 0.107 | --  |           | 1               |
| cis-1,3-Dichloropropene                         | ND      | 0.020 | --  | ND      | 0.091 | --  |           | 1               |
| 4-Methyl-2-pentanone                            | ND      | 0.500 | --  | ND      | 2.05  | --  |           | 1               |
| trans-1,3-Dichloropropene                       | ND      | 0.020 | --  | ND      | 0.091 | --  |           | 1               |
| 1,1,2-Trichloroethane                           | ND      | 0.020 | --  | ND      | 0.109 | --  |           | 1               |
| Toluene                                         | ND      | 0.050 | --  | ND      | 0.188 | --  |           | 1               |
| Dibromochloromethane                            | ND      | 0.020 | --  | ND      | 0.170 | --  |           | 1               |
| 1,2-Dibromoethane                               | ND      | 0.020 | --  | ND      | 0.154 | --  |           | 1               |
| Tetrachloroethene                               | ND      | 0.020 | --  | ND      | 0.136 | --  |           | 1               |
| 1,1,1,2-Tetrachloroethane                       | ND      | 0.020 | --  | ND      | 0.137 | --  |           | 1               |
| Chlorobenzene                                   | ND      | 0.100 | --  | ND      | 0.461 | --  |           | 1               |
| Ethylbenzene                                    | ND      | 0.020 | --  | ND      | 0.087 | --  |           | 1               |
| p/m-Xylene                                      | ND      | 0.040 | --  | ND      | 0.174 | --  |           | 1               |
| Bromoform                                       | ND      | 0.020 | --  | ND      | 0.207 | --  |           | 1               |
| Styrene                                         | ND      | 0.020 | --  | ND      | 0.085 | --  |           | 1               |
| 1,1,1,2,2-Tetrachloroethane                     | ND      | 0.020 | --  | ND      | 0.137 | --  |           | 1               |
| o-Xylene                                        | ND      | 0.020 | --  | ND      | 0.087 | --  |           | 1               |
| Isopropylbenzene                                | ND      | 0.200 | --  | ND      | 0.983 | --  |           | 1               |
| 4-Ethyltoluene                                  | ND      | 0.020 | --  | ND      | 0.098 | --  |           | 1               |
| 1,3,5-Trimethybenzene                           | ND      | 0.020 | --  | ND      | 0.098 | --  |           | 1               |
| 1,2,4-Trimethylbenzene                          | ND      | 0.020 | --  | ND      | 0.098 | --  |           | 1               |
| Benzyl chloride                                 | ND      | 0.200 | --  | ND      | 1.04  | --  |           | 1               |
| 1,3-Dichlorobenzene                             | ND      | 0.020 | --  | ND      | 0.120 | --  |           | 1               |
| 1,4-Dichlorobenzene                             | ND      | 0.020 | --  | ND      | 0.120 | --  |           | 1               |



**Project Name:** BATCH CANISTER CERTIFICATION**Lab Number:** L2027466**Project Number:** CANISTER QC BAT**Report Date:** 07/13/20**Air Canister Certification Results**

Lab ID: L2027466-02

Date Collected: 06/29/20 16:00

Client ID: CAN 1728 SHELF 3

Date Received: 06/30/20

Sample Location:

Field Prep: Not Specified

Sample Depth:

| Parameter                                       | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|-------------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                                 | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air by SIM - Mansfield Lab |         |       |     |         |       |     |           |                 |
| sec-Butylbenzene                                | ND      | 0.200 | --  | ND      | 1.10  | --  |           | 1               |
| p-Isopropyltoluene                              | ND      | 0.200 | --  | ND      | 1.10  | --  |           | 1               |
| 1,2-Dichlorobenzene                             | ND      | 0.020 | --  | ND      | 0.120 | --  |           | 1               |
| n-Butylbenzene                                  | ND      | 0.200 | --  | ND      | 1.10  | --  |           | 1               |
| 1,2,4-Trichlorobenzene                          | ND      | 0.050 | --  | ND      | 0.371 | --  |           | 1               |
| Naphthalene                                     | ND      | 0.050 | --  | ND      | 0.262 | --  |           | 1               |
| 1,2,3-Trichlorobenzene                          | ND      | 0.050 | --  | ND      | 0.371 | --  |           | 1               |
| Hexachlorobutadiene                             | ND      | 0.050 | --  | ND      | 0.533 | --  |           | 1               |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-difluorobenzene | 104        |           | 60-140              |
| bromochloromethane  | 105        |           | 60-140              |
| chlorobenzene-d5    | 105        |           | 60-140              |



**Project Name:** 20-286219.1**Lab Number:** L2029051**Project Number:** 20-286219.1**Report Date:** 07/13/20**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

**Cooler Information****Cooler**                      **Custody Seal**

NA                              Absent

**Container Information**

| <b>Container ID</b> | <b>Container Type</b> | <b>Cooler</b> | <b>Initial<br/>pH</b> | <b>Final<br/>pH</b> | <b>Temp<br/>deg C</b> | <b>Pres</b> | <b>Seal</b> | <b>Frozen<br/>Date/Time</b> | <b>Analysis(*)</b> |
|---------------------|-----------------------|---------------|-----------------------|---------------------|-----------------------|-------------|-------------|-----------------------------|--------------------|
| L2029051-01A        | Canister - 2.7 Liter  | NA            | NA                    |                     |                       | Y           | Absent      |                             | TO15-LL(30)        |
| L2029051-02A        | Canister - 2.7 Liter  | NA            | NA                    |                     |                       | Y           | Absent      |                             | TO15-LL(30)        |
| L2029051-03A        | Canister - 2.7 Liter  | NA            | NA                    |                     |                       | Y           | Absent      |                             | TO15-LL(30)        |
| L2029051-04A        | Canister - 2.7 Liter  | NA            | NA                    |                     |                       | Y           | Absent      |                             | TO15-LL(30)        |

**Project Name:** 20-286219.1**Lab Number:** L2029051**Project Number:** 20-286219.1**Report Date:** 07/13/20

## GLOSSARY

### Acronyms

|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DL       | - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)                                                                                               |
| EDL      | - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).                        |
| EMPC     | - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.                                                                                                                                                              |
| EPA      | - Environmental Protection Agency.                                                                                                                                                                                                                                                                                                                                                                                                                        |
| LCS      | - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.                                                                                                                                                                                                                                                         |
| LCS D    | - Laboratory Control Sample Duplicate: Refer to LCS.                                                                                                                                                                                                                                                                                                                                                                                                      |
| LFB      | - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.                                                                                                                                                                                                                                                        |
| LOD      | - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)                                                                                                                                              |
| LOQ      | - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)                                                                                                                                                                                                |
|          | Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)                                                                                                                                                                                                  |
| MDL      | - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.                                                                                                                         |
| MS       | - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.                                                                                                                                   |
| MSD      | - Matrix Spike Sample Duplicate: Refer to MS.                                                                                                                                                                                                                                                                                                                                                                                                             |
| NA       | - Not Applicable.                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| NC       | - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.                                                                                                                                                                                                                                                                                                          |
| NDPA/DPA | - N-Nitrosodiphenylamine/Diphenylamine.                                                                                                                                                                                                                                                                                                                                                                                                                   |
| NI       | - Not Ignitable.                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| NP       | - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.                                                                                                                                                                                                                                                                                                                                                                             |
| RL       | - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.                                                                                                                                                                                                                                  |
| RPD      | - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |
| SRM      | - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.                                                                                                                                                                                                                                                                                                    |
| STLP     | - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.                                                                                                                                                                                                                                                                                                                                                                                               |
| TEF      | - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.                                                                                                                                                                                                                                                                                                                            |
| TEQ      | - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.                                                                                                                                                                                                                                                                                       |
| TIC      | - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.                                                                                                                                                                                                     |

### Footnotes

*Report Format: Data Usability Report*



**Project Name:** 20-286219.1**Lab Number:** L2029051**Project Number:** 20-286219.1**Report Date:** 07/13/20

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

**Terms**

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

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

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

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

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

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

**PFAS Total:** With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

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

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

**Data Qualifiers**

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration. (DoD and NYSDEC Part 375 PFAS only.)
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the reporting limit (RL) for the sample.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration

Report Format: Data Usability Report



**Project Name:** 20-286219.1**Lab Number:** L2029051**Project Number:** 20-286219.1**Report Date:** 07/13/20**Data Qualifiers**

Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

**S** - Analytical results are from modified screening analysis.

**Project Name:** 20-286219.1  
**Project Number:** 20-286219.1

**Lab Number:** L2029051  
**Report Date:** 07/13/20

## REFERENCES

- 48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

## LIMITATION OF LIABILITIES

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

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



**Alpha Analytical, Inc.**Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 17

Published Date: 4/28/2020 9:42:21 AM

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**Certification Information**

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

**Westborough Facility****EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

**EPA TO-12** Non-methane organics**EPA 3C** Fixed gases**Biological Tissue Matrix:** EPA 3050B

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

**Westborough Facility:****Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.**EPA 522.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1** Hg.**SM2340B**

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

### CHAIN OF CUSTODY

### Client Information

Client: PSG Engineering & Geology  
Address: 362 Fifth Ave, Suite 501  
New York, NY 10001

Phone: 646 273-1290

Fax: 646 513 - 2381

Email: [lokesh@partners1.com](mailto:lokesh@partners1.com)

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

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### Project Information

Project Name: 20-286219.1

Project Location: 18-16 Beach 19th Street  
Queens New York 11691

Project #: 20-286219.1

Project Manager: Andres Jimenez

ALPHA Quote #:

### Turn-Around Time

☐ Standard

☒ RUSH (only confirmed if pre-approved)

Date Due:

Time:

**All Columns Below Must Be Filled Out**

[illegible]

\*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)  
SV = Soil Vapor/Landfill Gas/SVE  
Other = Please Specify

Container Type

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:

Date/Time

Received By:

Date/Time:

## **APPENDIX D: EPA CALCULATED VISLS COMMERCIAL**

---

## Site-specific VISL Results

### Commercial Equation Inputs

\* Inputted values different from Commercial defaults are highlighted.  
Output generated 13JUL2020:19:03:15

| Variable                                                       | Commercial<br>Air<br>Default<br>Value | Form-input<br>Value |
|----------------------------------------------------------------|---------------------------------------|---------------------|
| AF <sub>gw</sub> (Attenuation Factor Groundwater) unitless     | 0.001                                 | 0.001               |
| AF <sub>ss</sub> (Attenuation Factor Sub-Slab) unitless        | 0.03                                  | 0.03                |
| AT <sub>w</sub> (averaging time - composite worker)            | 365                                   | 365                 |
| ED <sub>w</sub> (exposure duration - composite worker) yr      | 25                                    | 25                  |
| EF <sub>w</sub> (exposure frequency - composite worker) day/yr | 250                                   | 250                 |
| ET <sub>w</sub> (exposure time - composite worker) hr          | 8                                     | 8                   |
| THQ (target hazard quotient) unitless                          | 0.1                                   | 0.1                 |
| LT (lifetime) yr                                               | 70                                    | 70                  |
| TR (target risk) unitless                                      | 1.0E-06                               | 1.0E-04             |

**Commercial Vapor Intrusion Screening Levels (VISL)**

**Key: I = IRIS; P = PPRTV; O = OPP; A = ATSDR; C = Cal EPA; X = PPRTV Screening Level; H = HEAST; D = DWSHA; W = TEF applied; E = RPF applied; U = user provided; G = see RSL User's Guide Section 5; CA = cancer; NC = noncancer.**

| Chemical                         | CAS Number | Does the chemical meet the definition for volatility? (HLC>1E-5 or VP>1) | Does the chemical have inhalation toxicity data? (IUR and/or RfC) | Is Chemical Sufficiently Volatile and Toxic to Pose Inhalation Risk Via Vapor Intrusion from Soil Source? ( $C_{vp} > C_{ia, Target?}$ ) | Is Chemical Sufficiently Volatile and Toxic to Pose Inhalation Risk Via Vapor Intrusion from Groundwater Source? ( $C_{hc} > C_{ia, Target?}$ ) | Target Indoor Air Concentration (TCR=0.0001 or THQ=0.1) $MIN(C_{ia,c}, C_{ia,nc})$ ( $\mu g/m^3$ ) | Toxicity Basis |
|----------------------------------|------------|--------------------------------------------------------------------------|-------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|----------------|
| Acetone                          | 67-64-1    | Yes                                                                      | Yes                                                               | Yes                                                                                                                                      | Yes                                                                                                                                             | 1.35E+04                                                                                           | NC             |
| Benzene                          | 71-43-2    | Yes                                                                      | Yes                                                               | Yes                                                                                                                                      | Yes                                                                                                                                             | 1.31E+01                                                                                           | NC             |
| Butadiene, 1,3-                  | 106-99-0   | Yes                                                                      | Yes                                                               | Yes                                                                                                                                      | Yes                                                                                                                                             | 8.76E-01                                                                                           | NC             |
| Carbon Disulfide                 | 75-15-0    | Yes                                                                      | Yes                                                               | Yes                                                                                                                                      | Yes                                                                                                                                             | 3.07E+02                                                                                           | NC             |
| Chloroform                       | 67-66-3    | Yes                                                                      | Yes                                                               | Yes                                                                                                                                      | Yes                                                                                                                                             | 4.28E+01                                                                                           | NC             |
| Cyclohexane                      | 110-82-7   | Yes                                                                      | Yes                                                               | Yes                                                                                                                                      | Yes                                                                                                                                             | 2.63E+03                                                                                           | NC             |
| Dichlorodifluoromethane          | 75-71-8    | Yes                                                                      | Yes                                                               | Yes                                                                                                                                      | Yes                                                                                                                                             | 4.38E+01                                                                                           | NC             |
| Ethanol                          | 64-17-5    | Yes                                                                      | No                                                                | No Inhal. Tox. Info                                                                                                                      | No Inhal. Tox. Info                                                                                                                             |                                                                                                    |                |
| Ethylbenzene                     | 100-41-4   | Yes                                                                      | Yes                                                               | Yes                                                                                                                                      | Yes                                                                                                                                             | 4.38E+02                                                                                           | NC             |
| Heptane, N-                      | 142-82-5   | Yes                                                                      | Yes                                                               | Yes                                                                                                                                      | Yes                                                                                                                                             | 1.75E+02                                                                                           | NC             |
| Hexane, N-                       | 110-54-3   | Yes                                                                      | Yes                                                               | Yes                                                                                                                                      | Yes                                                                                                                                             | 3.07E+02                                                                                           | NC             |
| Isopropanol                      | 67-63-0    | Yes                                                                      | Yes                                                               | Yes                                                                                                                                      | Yes                                                                                                                                             | 8.76E+01                                                                                           | NC             |
| Methyl Ethyl Ketone (2-Butanone) | 78-93-3    | Yes                                                                      | Yes                                                               | Yes                                                                                                                                      | Yes                                                                                                                                             | 2.19E+03                                                                                           | NC             |
| Tetrachloroethylene              | 127-18-4   | Yes                                                                      | Yes                                                               | Yes                                                                                                                                      | Yes                                                                                                                                             | 1.75E+01                                                                                           | NC             |
| Toluene                          | 108-88-3   | Yes                                                                      | Yes                                                               | Yes                                                                                                                                      | Yes                                                                                                                                             | 2.19E+03                                                                                           | NC             |
| Trichloroethane, 1,1,1-          | 71-55-6    | Yes                                                                      | Yes                                                               | Yes                                                                                                                                      | Yes                                                                                                                                             | 2.19E+03                                                                                           | NC             |
| Trichloroethylene                | 79-01-6    | Yes                                                                      | Yes                                                               | Yes                                                                                                                                      | Yes                                                                                                                                             | 8.76E-01                                                                                           | NC             |
| Trichlorofluoromethane           | 75-69-4    | Yes                                                                      | No                                                                | No Inhal. Tox. Info                                                                                                                      | No Inhal. Tox. Info                                                                                                                             |                                                                                                    |                |
| Trimethylbenzene, 1,2,4-         | 95-63-6    | Yes                                                                      | Yes                                                               | Yes                                                                                                                                      | Yes                                                                                                                                             | 2.63E+01                                                                                           | NC             |
| Trimethylbenzene, 1,3,5-         | 108-67-8   | Yes                                                                      | Yes                                                               | Yes                                                                                                                                      | Yes                                                                                                                                             | 2.63E+01                                                                                           | NC             |
| Xylene, o-                       | 95-47-6    | Yes                                                                      | Yes                                                               | Yes                                                                                                                                      | Yes                                                                                                                                             | 4.38E+01                                                                                           | NC             |



# Commercial Vapor Intrusion Screening Levels (VISL)

**Key: I = IRIS; P = PPRTV; O = OPP; A = ATSDR; C = Cal EPA; X = PPRTV Screening Level; H = HEAST; D = DWSHA; W = TEF applied; E = RPF applied; U = user provided; G = see RSL User's Guide Section 5; CA = cancer; NC = noncancer.**

| Chemical                         | Target Sub-Slab and Near-source Soil Gas Concentration (TCR=0.0001 or THQ=0.1)<br>$C_{sg,Target}$ ( $\mu\text{g}/\text{m}^3$ ) | Target Groundwater Concentration (TCR=0.0001 or THQ=0.1)<br>$C_{gw,Target}$ ( $\mu\text{g}/\text{L}$ ) | Is Target Groundwater Concentration < MCL?<br>( $C_{gw} < \text{MCL?}$ ) | Pure Phase Vapor Concentration<br>$C_{vp}$ ( $25^\circ\text{C}$ )<br>( $\mu\text{g}/\text{m}^3$ ) | Maximum Groundwater Vapor Concentration<br>$C_{hc}$ ( $\mu\text{g}/\text{m}^3$ ) | Temperature for Maximum Groundwater Vapor Concentration<br>( $^\circ\text{C}$ ) | Lower Explosive Limit LEL (% by volume) |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-----------------------------------------|
| Acetone                          | 4.51E+05                                                                                                                       | 9.46E+06                                                                                               | --                                                                       | 7.25E+08                                                                                          | 1.43E+09                                                                         | 25                                                                              | 2.50                                    |
| Benzene                          | 4.38E+02                                                                                                                       | 5.79E+01                                                                                               | No (5)                                                                   | 3.98E+08                                                                                          | 4.06E+08                                                                         | 25                                                                              | 1.20                                    |
| Butadiene, 1,3-                  | 2.92E+01                                                                                                                       | 2.91E-01                                                                                               | --                                                                       | 6.14E+09                                                                                          | 2.21E+09                                                                         | 25                                                                              | 2.00                                    |
| Carbon Disulfide                 | 1.02E+04                                                                                                                       | 5.21E+02                                                                                               | --                                                                       | 1.47E+09                                                                                          | 1.27E+09                                                                         | 25                                                                              | 1.30                                    |
| Chloroform                       | 1.43E+03                                                                                                                       | 2.85E+02                                                                                               | No (80)                                                                  | 1.26E+09                                                                                          | 1.19E+09                                                                         | 25                                                                              |                                         |
| Cyclohexane                      | 8.76E+04                                                                                                                       | 4.29E+02                                                                                               | --                                                                       | 4.39E+08                                                                                          | 3.37E+08                                                                         | 25                                                                              | 1.30                                    |
| Dichlorodifluoromethane          | 1.46E+03                                                                                                                       | 3.12E+00                                                                                               | --                                                                       | 3.15E+10                                                                                          | 3.93E+09                                                                         | 25                                                                              |                                         |
| Ethanol                          |                                                                                                                                |                                                                                                        |                                                                          | 1.47E+08                                                                                          | 2.04E+08                                                                         | 25                                                                              | 3.30                                    |
| Ethylbenzene                     | 1.46E+04                                                                                                                       | 1.36E+03                                                                                               | No (700)                                                                 | 5.48E+07                                                                                          | 5.44E+07                                                                         | 25                                                                              | 0.80                                    |
| Heptane, N-                      | 5.84E+03                                                                                                                       | 2.14E+00                                                                                               | --                                                                       | 2.48E+08                                                                                          | 2.78E+08                                                                         | 25                                                                              | 1.05                                    |
| Hexane, N-                       | 1.02E+04                                                                                                                       | 4.17E+00                                                                                               | --                                                                       | 7.00E+08                                                                                          | 6.99E+08                                                                         | 25                                                                              | 1.10                                    |
| Isopropanol                      | 2.92E+03                                                                                                                       | 2.65E+05                                                                                               | --                                                                       | 1.47E+08                                                                                          | 3.31E+08                                                                         | 25                                                                              | 2.00                                    |
| Methyl Ethyl Ketone (2-Butanone) | 7.30E+04                                                                                                                       | 9.41E+05                                                                                               | --                                                                       | 3.51E+08                                                                                          | 5.19E+08                                                                         | 25                                                                              | 1.40                                    |
| Tetrachloroethylene              | 5.84E+02                                                                                                                       | 2.42E+01                                                                                               | No (5)                                                                   | 1.65E+08                                                                                          | 1.49E+08                                                                         | 25                                                                              |                                         |
| Toluene                          | 7.30E+04                                                                                                                       | 8.07E+03                                                                                               | No (1000)                                                                | 1.41E+08                                                                                          | 1.43E+08                                                                         | 25                                                                              | 1.10                                    |
| Trichloroethane, 1,1,1-          | 7.30E+04                                                                                                                       | 3.11E+03                                                                                               | No (200)                                                                 | 8.90E+08                                                                                          | 9.07E+08                                                                         | 25                                                                              | 8.00                                    |
| Trichloroethylene                | 2.92E+01                                                                                                                       | 2.18E+00                                                                                               | Yes (5)                                                                  | 4.88E+08                                                                                          | 5.15E+08                                                                         | 25                                                                              | 8.00                                    |
| Trichlorofluoromethane           |                                                                                                                                |                                                                                                        |                                                                          | 5.93E+09                                                                                          | 4.36E+09                                                                         | 25                                                                              |                                         |
| Trimethylbenzene, 1,2,4-         | 8.76E+02                                                                                                                       | 1.04E+02                                                                                               | --                                                                       | 1.36E+07                                                                                          | 1.44E+07                                                                         | 25                                                                              | 0.90                                    |
| Trimethylbenzene, 1,3,5-         | 8.76E+02                                                                                                                       | 7.33E+01                                                                                               | --                                                                       | 1.60E+07                                                                                          | 1.73E+07                                                                         | 25                                                                              | 1.00                                    |
| Xylene, o-                       | 1.46E+03                                                                                                                       | 2.07E+02                                                                                               | --                                                                       | 3.77E+07                                                                                          | 3.77E+07                                                                         | 25                                                                              | 0.90                                    |

# Commercial Vapor Intrusion Screening Levels (VISL)

**Key: I = IRIS; P = PPRTV; O = OPP; A = ATSDR; C = Cal EPA; X = PPRTV Screening Level; H = HEAST; D = DWSHA; W = TEF applied; E = RPF applied; U = user provided; G = see RSL User's Guide Section 5; CA = cancer; NC = noncancer.**

| Chemical                         | LEL<br>Ref | IUR<br>( $\mu\text{g}/\text{m}^3$ ) <sup>-1</sup> | IUR<br>Ref | RfC<br>( $\text{mg}/\text{m}^3$ ) | RfC<br>Ref | Mutagenic<br>Indicator | Carcinogenic<br>VISL<br>TCR=0.0001<br>$C_{\text{ia,c}}$<br>( $\mu\text{g}/\text{m}^3$ ) | Noncarcinogenic<br>VISL<br>THQ=0.1<br>$C_{\text{ia,nc}}$<br>( $\mu\text{g}/\text{m}^3$ ) |
|----------------------------------|------------|---------------------------------------------------|------------|-----------------------------------|------------|------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| Acetone                          | U          |                                                   |            | 3.09E+01                          | U          | No                     |                                                                                         | 1.35E+04                                                                                 |
| Benzene                          | U          | 7.80E-06                                          | U          | 3.00E-02                          | U          | No                     | 1.57E+02                                                                                | 1.31E+01                                                                                 |
| Butadiene, 1,3-                  | U          | 3.00E-05                                          | U          | 2.00E-03                          | U          | No                     | 4.09E+01                                                                                | 8.76E-01                                                                                 |
| Carbon Disulfide                 | U          |                                                   |            | 7.00E-01                          | U          | No                     |                                                                                         | 3.07E+02                                                                                 |
| Chloroform                       |            | 2.30E-05                                          | U          | 9.77E-02                          | U          | No                     | 5.33E+01                                                                                | 4.28E+01                                                                                 |
| Cyclohexane                      | U          |                                                   |            | 6.00E+00                          | U          | No                     |                                                                                         | 2.63E+03                                                                                 |
| Dichlorodifluoromethane          |            |                                                   |            | 1.00E-01                          | U          | No                     |                                                                                         | 4.38E+01                                                                                 |
| Ethanol                          | U          |                                                   |            |                                   |            | No                     |                                                                                         |                                                                                          |
| Ethylbenzene                     | U          | 2.50E-06                                          | U          | 1.00E+00                          | U          | No                     | 4.91E+02                                                                                | 4.38E+02                                                                                 |
| Heptane, N-                      | U          |                                                   |            | 4.00E-01                          | U          | No                     |                                                                                         | 1.75E+02                                                                                 |
| Hexane, N-                       | U          |                                                   |            | 7.00E-01                          | U          | No                     |                                                                                         | 3.07E+02                                                                                 |
| Isopropanol                      | U          |                                                   |            | 2.00E-01                          | U          | No                     |                                                                                         | 8.76E+01                                                                                 |
| Methyl Ethyl Ketone (2-Butanone) | U          |                                                   |            | 5.00E+00                          | U          | No                     |                                                                                         | 2.19E+03                                                                                 |
| Tetrachloroethylene              |            | 2.60E-07                                          | U          | 4.00E-02                          | U          | No                     | 4.72E+03                                                                                | 1.75E+01                                                                                 |
| Toluene                          | U          |                                                   |            | 5.00E+00                          | U          | No                     |                                                                                         | 2.19E+03                                                                                 |
| Trichloroethane, 1,1,1-          | U          |                                                   |            | 5.00E+00                          | U          | No                     |                                                                                         | 2.19E+03                                                                                 |
| Trichloroethylene                | U          | 4.10E-06                                          | U          | 2.00E-03                          | U          | Mut                    | 2.99E+02                                                                                | 8.76E-01                                                                                 |
| Trichlorofluoromethane           |            |                                                   |            |                                   |            | No                     |                                                                                         |                                                                                          |
| Trimethylbenzene, 1,2,4-         | U          |                                                   |            | 6.00E-02                          | U          | No                     |                                                                                         | 2.63E+01                                                                                 |
| Trimethylbenzene, 1,3,5-         | U          |                                                   |            | 6.00E-02                          | U          | No                     |                                                                                         | 2.63E+01                                                                                 |
| Xylene, o-                       | U          |                                                   |            | 1.00E-01                          | U          | No                     |                                                                                         | 4.38E+01                                                                                 |

| Chemical                         | CAS Number | Does the chemical meet the definition for volatility? (HLC>1E-5 or VP>1) | Does the chemical have inhalation toxicity data? (IUR and/or RfC) | MW     | MW Ref | Vapor Pressure VP (mm Hg) | VP Ref | S (mg/L) | S Ref | MCL (ug/L) | HLC (atm-m <sup>3</sup> /mole) |
|----------------------------------|------------|--------------------------------------------------------------------------|-------------------------------------------------------------------|--------|--------|---------------------------|--------|----------|-------|------------|--------------------------------|
| Acetone                          | 67-64-1    | Yes                                                                      | Yes                                                               | 58.08  | U      | 2.32E+02                  | U      | 1.00E+06 | U     |            | 3.50E-05                       |
| Benzene                          | 71-43-2    | Yes                                                                      | Yes                                                               | 78.12  | U      | 9.48E+01                  | U      | 1.79E+03 | U     | 5          | 5.55E-03                       |
| Butadiene, 1,3-                  | 106-99-0   | Yes                                                                      | Yes                                                               | 54.09  | U      | 2.11E+03                  | U      | 7.35E+02 | U     |            | 7.36E-02                       |
| Carbon Disulfide                 | 75-15-0    | Yes                                                                      | Yes                                                               | 76.14  | U      | 3.59E+02                  | U      | 2.16E+03 | U     |            | 1.44E-02                       |
| Chloroform                       | 67-66-3    | Yes                                                                      | Yes                                                               | 119.38 | U      | 1.97E+02                  | U      | 7.95E+03 | U     | 80         | 3.67E-03                       |
| Cyclohexane                      | 110-82-7   | Yes                                                                      | Yes                                                               | 84.16  | U      | 9.69E+01                  | U      | 5.50E+01 | U     |            | 1.50E-01                       |
| Dichlorodifluoromethane          | 75-71-8    | Yes                                                                      | Yes                                                               | 120.91 | U      | 4.85E+03                  | U      | 2.80E+02 | U     |            | 3.43E-01                       |
| Ethanol                          | 64-17-5    | Yes                                                                      | No                                                                | 46.07  | U      | 5.93E+01                  | U      | 1.00E+06 | U     |            | 5.00E-06                       |
| Ethylbenzene                     | 100-41-4   | Yes                                                                      | Yes                                                               | 106.17 | U      | 9.60E+00                  | U      | 1.69E+02 | U     | 700        | 7.88E-03                       |
| Heptane, N-                      | 142-82-5   | Yes                                                                      | Yes                                                               | 100.21 | U      | 4.60E+01                  | U      | 3.40E+00 | U     |            | 2.00E+00                       |
| Hexane, N-                       | 110-54-3   | Yes                                                                      | Yes                                                               | 86.18  | U      | 1.51E+02                  | U      | 9.50E+00 | U     |            | 1.80E+00                       |
| Isopropanol                      | 67-63-0    | Yes                                                                      | Yes                                                               | 60.10  | U      | 4.54E+01                  | U      | 1.00E+06 | U     |            | 8.10E-06                       |
| Methyl Ethyl Ketone (2-Butanone) | 78-93-3    | Yes                                                                      | Yes                                                               | 72.11  | U      | 9.06E+01                  | U      | 2.23E+05 | U     |            | 5.69E-05                       |
| Tetrachloroethylene              | 127-18-4   | Yes                                                                      | Yes                                                               | 165.83 | U      | 1.85E+01                  | U      | 2.06E+02 | U     | 5          | 1.77E-02                       |
| Toluene                          | 108-88-3   | Yes                                                                      | Yes                                                               | 92.14  | U      | 2.84E+01                  | U      | 5.26E+02 | U     | 1000       | 6.64E-03                       |
| Trichloroethane, 1,1,1-          | 71-55-6    | Yes                                                                      | Yes                                                               | 133.41 | U      | 1.24E+02                  | U      | 1.29E+03 | U     | 200        | 1.72E-02                       |
| Trichloroethylene                | 79-01-6    | Yes                                                                      | Yes                                                               | 131.39 | U      | 6.90E+01                  | U      | 1.28E+03 | U     | 5          | 9.85E-03                       |
| Trichlorofluoromethane           | 75-69-4    | Yes                                                                      | No                                                                | 137.37 | U      | 8.03E+02                  | U      | 1.10E+03 | U     |            | 9.70E-02                       |
| Trimethylbenzene, 1,2,4-         | 95-63-6    | Yes                                                                      | Yes                                                               | 120.20 | U      | 2.10E+00                  | U      | 5.70E+01 | U     |            | 6.16E-03                       |
| Trimethylbenzene, 1,3,5-         | 108-67-8   | Yes                                                                      | Yes                                                               | 120.20 | U      | 2.48E+00                  | U      | 4.82E+01 | U     |            | 8.77E-03                       |
| Xylene, o-                       | 95-47-6    | Yes                                                                      | Yes                                                               | 106.17 | U      | 6.61E+00                  | U      | 1.78E+02 | U     |            | 5.18E-03                       |

| Chemical                         | Henry's Law Constant (unitless) | H' and HLC Ref | Henry's Law Constant Used in Calcs (unitless) | Normal Boiling Point BP (K) | BP Ref | Critical Temperature TC (K) | TC Ref | Enthalpy of vaporization at the normal boiling point $\Delta H_{v,b}$ (cal/mol) | $\Delta H_{v,b}$ Ref | Lower Explosive Limit LEL (% by volume) | LEL Ref |
|----------------------------------|---------------------------------|----------------|-----------------------------------------------|-----------------------------|--------|-----------------------------|--------|---------------------------------------------------------------------------------|----------------------|-----------------------------------------|---------|
| Acetone                          | 1.43E-03                        | U              | 1.43E-03                                      | 329.15                      | U      | 5.08E+02                    | U      | 6960.00                                                                         | U                    | 2.50                                    | U       |
| Benzene                          | 2.27E-01                        | U              | 2.27E-01                                      | 353.15                      | U      | 5.62E+02                    | U      | 7340.00                                                                         | U                    | 1.20                                    | U       |
| Butadiene, 1,3-                  | 3.01E+00                        | U              | 3.01E+00                                      | 268.75                      | U      | 4.25E+02                    | U      | 5370.00                                                                         | U                    | 2.00                                    | U       |
| Carbon Disulfide                 | 5.89E-01                        | U              | 5.89E-01                                      | 319.15                      | U      | 5.52E+02                    | U      | 6390.00                                                                         | U                    | 1.30                                    | U       |
| Chloroform                       | 1.50E-01                        | U              | 1.50E-01                                      | 334.25                      | U      | 5.36E+02                    | U      | 6990.00                                                                         | U                    |                                         |         |
| Cyclohexane                      | 6.13E+00                        | U              | 6.13E+00                                      | 353.85                      | U      | 5.53E+02                    | U      | 7160.00                                                                         | U                    | 1.30                                    | U       |
| Dichlorodifluoromethane          | 1.40E+01                        | U              | 1.40E+01                                      | 243.35                      | U      | 3.85E+02                    | U      | 4800.00                                                                         | U                    |                                         |         |
| Ethanol                          | 2.04E-04                        | U              | 2.04E-04                                      | 351.35                      | U      | 5.15E+02                    | U      | 9220.00                                                                         | U                    | 3.30                                    | U       |
| Ethylbenzene                     | 3.22E-01                        | U              | 3.22E-01                                      | 409.15                      | U      | 6.17E+02                    | U      | 8500.00                                                                         | U                    | 0.80                                    | U       |
| Heptane, N-                      | 8.18E+01                        | U              | 8.18E+01                                      | 371.65                      | U      | 5.40E+02                    | U      | 7590.00                                                                         | U                    | 1.05                                    | U       |
| Hexane, N-                       | 7.36E+01                        | U              | 7.36E+01                                      | 341.85                      | U      | 5.08E+02                    | U      | 6900.00                                                                         | U                    | 1.10                                    | U       |
| Isopropanol                      | 3.31E-04                        | U              | 3.31E-04                                      | 355.45                      | U      | 5.08E+02                    | U      | 10800.00                                                                        | U                    | 2.00                                    | U       |
| Methyl Ethyl Ketone (2-Butanone) | 2.33E-03                        | U              | 2.33E-03                                      | 352.65                      | U      | 5.37E+02                    | U      | 7480.00                                                                         | U                    | 1.40                                    | U       |
| Tetrachloroethylene              | 7.24E-01                        | U              | 7.24E-01                                      | 394.15                      | U      | 6.20E+02                    | U      | 8290.00                                                                         | U                    |                                         |         |
| Toluene                          | 2.71E-01                        | U              | 2.71E-01                                      | 384.15                      | U      | 5.92E+02                    | U      | 7930.00                                                                         | U                    | 1.10                                    | U       |
| Trichloroethane, 1,1,1-          | 7.03E-01                        | U              | 7.03E-01                                      | 347.15                      | U      | 5.45E+02                    | U      | 7140.00                                                                         | U                    | 8.00                                    | U       |
| Trichloroethylene                | 4.03E-01                        | U              | 4.03E-01                                      | 360.35                      | U      | 5.71E+02                    | U      | 7500.00                                                                         | U                    | 8.00                                    | U       |
| Trichlorofluoromethane           | 3.97E+00                        | U              | 3.97E+00                                      | 296.85                      | U      | 4.71E+02                    | U      | 6000.00                                                                         | U                    |                                         |         |
| Trimethylbenzene, 1,2,4-         | 2.52E-01                        | U              | 2.52E-01                                      | 442.15                      | U      | 6.49E+02                    | U      | 9370.00                                                                         | U                    | 0.90                                    | U       |
| Trimethylbenzene, 1,3,5-         | 3.59E-01                        | U              | 3.59E-01                                      | 438.15                      | U      | 6.37E+02                    | U      | 9320.00                                                                         | U                    | 1.00                                    | U       |
| Xylene, o-                       | 2.12E-01                        | U              | 2.12E-01                                      | 417.15                      | U      | 6.30E+02                    | U      | 8660.00                                                                         | U                    | 0.90                                    | U       |

## Site-specific VISL Results

### Commercial Equation Inputs

1

\* Inputted values different from Commercial defaults are highlighted.  
Output generated 13JUL2020:18:55:22

| Variable                                                       | Commercial<br>Air<br>Default<br>Value | Form-input<br>Value |
|----------------------------------------------------------------|---------------------------------------|---------------------|
| AF <sub>gw</sub> (Attenuation Factor Groundwater) unitless     | 0.001                                 | 0.001               |
| AF <sub>ss</sub> (Attenuation Factor Sub-Slab) unitless        | 0.03                                  | 0.03                |
| AT <sub>w</sub> (averaging time - composite worker)            | 365                                   | 365                 |
| ED <sub>w</sub> (exposure duration - composite worker) yr      | 25                                    | 25                  |
| EF <sub>w</sub> (exposure frequency - composite worker) day/yr | 250                                   | 250                 |
| ET <sub>w</sub> (exposure time - composite worker) hr          | 8                                     | 8                   |
| THQ (target hazard quotient) unitless                          | 0.1                                   | 0.1                 |
| LT (lifetime) yr                                               | 70                                    | 70                  |
| TR (target risk) unitless                                      | 1.0E-06                               | 1.0E-05             |

**Commercial Vapor Intrusion Screening Levels (VISL)**

**Key: I = IRIS; P = PPRTV; O = OPP; A = ATSDR; C = Cal EPA; X = PPRTV Screening Level; H = HEAST; D = DWSHA; W = TEF applied; E = RPF applied; U = user provided; G = see RSL User's Guide Section 5; CA = cancer; NC = noncancer.**

| Chemical                         | CAS Number | Does the chemical meet the definition for volatility? (HLC>1E-5 or VP>1) | Does the chemical have inhalation toxicity data? (IUR and/or RfC) | Is Chemical Sufficiently Volatile and Toxic to Pose Inhalation Risk Via Vapor Intrusion from Soil Source? ( $C_{vp} > C_{ia}$ , Target?) | Is Chemical Sufficiently Volatile and Toxic to Pose Inhalation Risk Via Vapor Intrusion from Groundwater Source? ( $C_{hc} > C_{ia}$ , Target?) | Target Indoor Air Concentration (TCR=1E-05 or THQ=0.1) $MIN(C_{ia,c}, C_{ia,nc})$ ( $\mu\text{g}/\text{m}^3$ ) | Toxicity Basis |
|----------------------------------|------------|--------------------------------------------------------------------------|-------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|----------------|
| Acetone                          | 67-64-1    | Yes                                                                      | Yes                                                               | Yes                                                                                                                                      | Yes                                                                                                                                             | 1.35E+04                                                                                                       | NC             |
| Benzene                          | 71-43-2    | Yes                                                                      | Yes                                                               | Yes                                                                                                                                      | Yes                                                                                                                                             | 1.31E+01                                                                                                       | NC             |
| Butadiene, 1,3-                  | 106-99-0   | Yes                                                                      | Yes                                                               | Yes                                                                                                                                      | Yes                                                                                                                                             | 8.76E-01                                                                                                       | NC             |
| Carbon Disulfide                 | 75-15-0    | Yes                                                                      | Yes                                                               | Yes                                                                                                                                      | Yes                                                                                                                                             | 3.07E+02                                                                                                       | NC             |
| Chloroform                       | 67-66-3    | Yes                                                                      | Yes                                                               | Yes                                                                                                                                      | Yes                                                                                                                                             | 5.33E+00                                                                                                       | CA             |
| Cyclohexane                      | 110-82-7   | Yes                                                                      | Yes                                                               | Yes                                                                                                                                      | Yes                                                                                                                                             | 2.63E+03                                                                                                       | NC             |
| Dichlorodifluoromethane          | 75-71-8    | Yes                                                                      | Yes                                                               | Yes                                                                                                                                      | Yes                                                                                                                                             | 4.38E+01                                                                                                       | NC             |
| Ethanol                          | 64-17-5    | Yes                                                                      | No                                                                | No Inhal. Tox. Info                                                                                                                      | No Inhal. Tox. Info                                                                                                                             |                                                                                                                |                |
| Ethylbenzene                     | 100-41-4   | Yes                                                                      | Yes                                                               | Yes                                                                                                                                      | Yes                                                                                                                                             | 4.91E+01                                                                                                       | CA             |
| Heptane, N-                      | 142-82-5   | Yes                                                                      | Yes                                                               | Yes                                                                                                                                      | Yes                                                                                                                                             | 1.75E+02                                                                                                       | NC             |
| Hexane, N-                       | 110-54-3   | Yes                                                                      | Yes                                                               | Yes                                                                                                                                      | Yes                                                                                                                                             | 3.07E+02                                                                                                       | NC             |
| Isopropanol                      | 67-63-0    | Yes                                                                      | Yes                                                               | Yes                                                                                                                                      | Yes                                                                                                                                             | 8.76E+01                                                                                                       | NC             |
| Methyl Ethyl Ketone (2-Butanone) | 78-93-3    | Yes                                                                      | Yes                                                               | Yes                                                                                                                                      | Yes                                                                                                                                             | 2.19E+03                                                                                                       | NC             |
| Tetrachloroethylene              | 127-18-4   | Yes                                                                      | Yes                                                               | Yes                                                                                                                                      | Yes                                                                                                                                             | 1.75E+01                                                                                                       | NC             |
| Toluene                          | 108-88-3   | Yes                                                                      | Yes                                                               | Yes                                                                                                                                      | Yes                                                                                                                                             | 2.19E+03                                                                                                       | NC             |
| Trichloroethane, 1,1,1-          | 71-55-6    | Yes                                                                      | Yes                                                               | Yes                                                                                                                                      | Yes                                                                                                                                             | 2.19E+03                                                                                                       | NC             |
| Trichloroethylene                | 79-01-6    | Yes                                                                      | Yes                                                               | Yes                                                                                                                                      | Yes                                                                                                                                             | 8.76E-01                                                                                                       | NC             |
| Trichlorofluoromethane           | 75-69-4    | Yes                                                                      | No                                                                | No Inhal. Tox. Info                                                                                                                      | No Inhal. Tox. Info                                                                                                                             |                                                                                                                |                |
| Trimethylbenzene, 1,2,4-         | 95-63-6    | Yes                                                                      | Yes                                                               | Yes                                                                                                                                      | Yes                                                                                                                                             | 2.63E+01                                                                                                       | NC             |
| Trimethylbenzene, 1,3,5-         | 108-67-8   | Yes                                                                      | Yes                                                               | Yes                                                                                                                                      | Yes                                                                                                                                             | 2.63E+01                                                                                                       | NC             |
| Xylene, o-                       | 95-47-6    | Yes                                                                      | Yes                                                               | Yes                                                                                                                                      | Yes                                                                                                                                             | 4.38E+01                                                                                                       | NC             |

# Commercial Vapor Intrusion Screening Levels (VISL)

**Key: I = IRIS; P = PPRTV; O = OPP; A = ATSDR; C = Cal EPA; X = PPRTV Screening Level; H = HEAST; D = DWSHA; W = TEF applied; E = RPF applied; U = user provided; G = see RSL User's Guide Section 5; CA = cancer; NC = noncancer.**

| Chemical                         | Target Sub-Slab and Near-source Soil Gas Concentration (TCR=1E-05 or THQ=0.1) $C_{sg,Target}$ ( $\mu\text{g}/\text{m}^3$ ) | Target Groundwater Concentration (TCR=1E-05 or THQ=0.1) $C_{gw,Target}$ ( $\mu\text{g}/\text{L}$ ) | Is Target Groundwater Concentration < MCL? ( $C_{gw} < \text{MCL?}$ ) | Pure Phase Vapor Concentration $C_{vp}$ ( $25^\circ\text{C}$ ) ( $\mu\text{g}/\text{m}^3$ ) | Maximum Groundwater Vapor Concentration $C_{hc}$ ( $\mu\text{g}/\text{m}^3$ ) | Temperature for Maximum Groundwater Vapor Concentration ( $^\circ\text{C}$ ) | Lower Explosive Limit LEL (% by volume) |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|------------------------------------------------------------------------------|-----------------------------------------|
| Acetone                          | 4.51E+05                                                                                                                   | 9.46E+06                                                                                           | --                                                                    | 7.25E+08                                                                                    | 1.43E+09                                                                      | 25                                                                           | 2.50                                    |
| Benzene                          | 4.38E+02                                                                                                                   | 5.79E+01                                                                                           | No (5)                                                                | 3.98E+08                                                                                    | 4.06E+08                                                                      | 25                                                                           | 1.20                                    |
| Butadiene, 1,3-                  | 2.92E+01                                                                                                                   | 2.91E-01                                                                                           | --                                                                    | 6.14E+09                                                                                    | 2.21E+09                                                                      | 25                                                                           | 2.00                                    |
| Carbon Disulfide                 | 1.02E+04                                                                                                                   | 5.21E+02                                                                                           | --                                                                    | 1.47E+09                                                                                    | 1.27E+09                                                                      | 25                                                                           | 1.30                                    |
| Chloroform                       | 1.78E+02                                                                                                                   | 3.55E+01                                                                                           | Yes (80)                                                              | 1.26E+09                                                                                    | 1.19E+09                                                                      | 25                                                                           |                                         |
| Cyclohexane                      | 8.76E+04                                                                                                                   | 4.29E+02                                                                                           | --                                                                    | 4.39E+08                                                                                    | 3.37E+08                                                                      | 25                                                                           | 1.30                                    |
| Dichlorodifluoromethane          | 1.46E+03                                                                                                                   | 3.12E+00                                                                                           | --                                                                    | 3.15E+10                                                                                    | 3.93E+09                                                                      | 25                                                                           |                                         |
| Ethanol                          |                                                                                                                            |                                                                                                    |                                                                       | 1.47E+08                                                                                    | 2.04E+08                                                                      | 25                                                                           | 3.30                                    |
| Ethylbenzene                     | 1.64E+03                                                                                                                   | 1.52E+02                                                                                           | Yes (700)                                                             | 5.48E+07                                                                                    | 5.44E+07                                                                      | 25                                                                           | 0.80                                    |
| Heptane, N-                      | 5.84E+03                                                                                                                   | 2.14E+00                                                                                           | --                                                                    | 2.48E+08                                                                                    | 2.78E+08                                                                      | 25                                                                           | 1.05                                    |
| Hexane, N-                       | 1.02E+04                                                                                                                   | 4.17E+00                                                                                           | --                                                                    | 7.00E+08                                                                                    | 6.99E+08                                                                      | 25                                                                           | 1.10                                    |
| Isopropanol                      | 2.92E+03                                                                                                                   | 2.65E+05                                                                                           | --                                                                    | 1.47E+08                                                                                    | 3.31E+08                                                                      | 25                                                                           | 2.00                                    |
| Methyl Ethyl Ketone (2-Butanone) | 7.30E+04                                                                                                                   | 9.41E+05                                                                                           | --                                                                    | 3.51E+08                                                                                    | 5.19E+08                                                                      | 25                                                                           | 1.40                                    |
| Tetrachloroethylene              | 5.84E+02                                                                                                                   | 2.42E+01                                                                                           | No (5)                                                                | 1.65E+08                                                                                    | 1.49E+08                                                                      | 25                                                                           |                                         |
| Toluene                          | 7.30E+04                                                                                                                   | 8.07E+03                                                                                           | No (1000)                                                             | 1.41E+08                                                                                    | 1.43E+08                                                                      | 25                                                                           | 1.10                                    |
| Trichloroethane, 1,1,1-          | 7.30E+04                                                                                                                   | 3.11E+03                                                                                           | No (200)                                                              | 8.90E+08                                                                                    | 9.07E+08                                                                      | 25                                                                           | 8.00                                    |
| Trichloroethylene                | 2.92E+01                                                                                                                   | 2.18E+00                                                                                           | Yes (5)                                                               | 4.88E+08                                                                                    | 5.15E+08                                                                      | 25                                                                           | 8.00                                    |
| Trichlorofluoromethane           |                                                                                                                            |                                                                                                    |                                                                       | 5.93E+09                                                                                    | 4.36E+09                                                                      | 25                                                                           |                                         |
| Trimethylbenzene, 1,2,4-         | 8.76E+02                                                                                                                   | 1.04E+02                                                                                           | --                                                                    | 1.36E+07                                                                                    | 1.44E+07                                                                      | 25                                                                           | 0.90                                    |
| Trimethylbenzene, 1,3,5-         | 8.76E+02                                                                                                                   | 7.33E+01                                                                                           | --                                                                    | 1.60E+07                                                                                    | 1.73E+07                                                                      | 25                                                                           | 1.00                                    |
| Xylene, o-                       | 1.46E+03                                                                                                                   | 2.07E+02                                                                                           | --                                                                    | 3.77E+07                                                                                    | 3.77E+07                                                                      | 25                                                                           | 0.90                                    |

# Commercial Vapor Intrusion Screening Levels (VISL)

**Key: I = IRIS; P = PPRTV; O = OPP; A = ATSDR; C = Cal EPA; X = PPRTV Screening Level; H = HEAST; D = DWSHA; W = TEF applied; E = RPF applied; U = user provided; G = see RSL User's Guide Section 5; CA = cancer; NC = noncancer.**

| Chemical                         | LEL<br>Ref | IUR<br>( $\mu\text{g}/\text{m}^3$ ) <sup>-1</sup> | IUR<br>Ref | RfC<br>( $\text{mg}/\text{m}^3$ ) | RfC<br>Ref | Mutagenic<br>Indicator | Carcinogenic<br>VISL<br>TCR=1E-05<br>$C_{\text{ia,c}}$<br>( $\mu\text{g}/\text{m}^3$ ) | Noncarcinogenic<br>VISL<br>THQ=0.1<br>$C_{\text{ia,nc}}$<br>( $\mu\text{g}/\text{m}^3$ ) |
|----------------------------------|------------|---------------------------------------------------|------------|-----------------------------------|------------|------------------------|----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| Acetone                          | U          |                                                   |            | 3.09E+01                          | U          | No                     |                                                                                        | 1.35E+04                                                                                 |
| Benzene                          | U          | 7.80E-06                                          | U          | 3.00E-02                          | U          | No                     | 1.57E+01                                                                               | 1.31E+01                                                                                 |
| Butadiene, 1,3-                  | U          | 3.00E-05                                          | U          | 2.00E-03                          | U          | No                     | 4.09E+00                                                                               | 8.76E-01                                                                                 |
| Carbon Disulfide                 | U          |                                                   |            | 7.00E-01                          | U          | No                     |                                                                                        | 3.07E+02                                                                                 |
| Chloroform                       |            | 2.30E-05                                          | U          | 9.77E-02                          | U          | No                     | 5.33E+00                                                                               | 4.28E+01                                                                                 |
| Cyclohexane                      | U          |                                                   |            | 6.00E+00                          | U          | No                     |                                                                                        | 2.63E+03                                                                                 |
| Dichlorodifluoromethane          |            |                                                   |            | 1.00E-01                          | U          | No                     |                                                                                        | 4.38E+01                                                                                 |
| Ethanol                          | U          |                                                   |            |                                   |            | No                     |                                                                                        |                                                                                          |
| Ethylbenzene                     | U          | 2.50E-06                                          | U          | 1.00E+00                          | U          | No                     | 4.91E+01                                                                               | 4.38E+02                                                                                 |
| Heptane, N-                      | U          |                                                   |            | 4.00E-01                          | U          | No                     |                                                                                        | 1.75E+02                                                                                 |
| Hexane, N-                       | U          |                                                   |            | 7.00E-01                          | U          | No                     |                                                                                        | 3.07E+02                                                                                 |
| Isopropanol                      | U          |                                                   |            | 2.00E-01                          | U          | No                     |                                                                                        | 8.76E+01                                                                                 |
| Methyl Ethyl Ketone (2-Butanone) | U          |                                                   |            | 5.00E+00                          | U          | No                     |                                                                                        | 2.19E+03                                                                                 |
| Tetrachloroethylene              |            | 2.60E-07                                          | U          | 4.00E-02                          | U          | No                     | 4.72E+02                                                                               | 1.75E+01                                                                                 |
| Toluene                          | U          |                                                   |            | 5.00E+00                          | U          | No                     |                                                                                        | 2.19E+03                                                                                 |
| Trichloroethane, 1,1,1-          | U          |                                                   |            | 5.00E+00                          | U          | No                     |                                                                                        | 2.19E+03                                                                                 |
| Trichloroethylene                | U          | 4.10E-06                                          | U          | 2.00E-03                          | U          | Mut                    | 2.99E+01                                                                               | 8.76E-01                                                                                 |
| Trichlorofluoromethane           |            |                                                   |            |                                   |            | No                     |                                                                                        |                                                                                          |
| Trimethylbenzene, 1,2,4-         | U          |                                                   |            | 6.00E-02                          | U          | No                     |                                                                                        | 2.63E+01                                                                                 |
| Trimethylbenzene, 1,3,5-         | U          |                                                   |            | 6.00E-02                          | U          | No                     |                                                                                        | 2.63E+01                                                                                 |
| Xylene, o-                       | U          |                                                   |            | 1.00E-01                          | U          | No                     |                                                                                        | 4.38E+01                                                                                 |



| Chemical                         | CAS Number | Does the chemical meet the definition for volatility? (HLC>1E-5 or VP>1) | Does the chemical have inhalation toxicity data? (IUR and/or RfC) | MW     | MW Ref | Vapor Pressure VP (mm Hg) | VP Ref | S (mg/L) | S Ref | MCL (ug/L) | HLC (atm-m <sup>3</sup> /mole) |
|----------------------------------|------------|--------------------------------------------------------------------------|-------------------------------------------------------------------|--------|--------|---------------------------|--------|----------|-------|------------|--------------------------------|
| Acetone                          | 67-64-1    | Yes                                                                      | Yes                                                               | 58.08  | U      | 2.32E+02                  | U      | 1.00E+06 | U     |            | 3.50E-05                       |
| Benzene                          | 71-43-2    | Yes                                                                      | Yes                                                               | 78.12  | U      | 9.48E+01                  | U      | 1.79E+03 | U     | 5          | 5.55E-03                       |
| Butadiene, 1,3-                  | 106-99-0   | Yes                                                                      | Yes                                                               | 54.09  | U      | 2.11E+03                  | U      | 7.35E+02 | U     |            | 7.36E-02                       |
| Carbon Disulfide                 | 75-15-0    | Yes                                                                      | Yes                                                               | 76.14  | U      | 3.59E+02                  | U      | 2.16E+03 | U     |            | 1.44E-02                       |
| Chloroform                       | 67-66-3    | Yes                                                                      | Yes                                                               | 119.38 | U      | 1.97E+02                  | U      | 7.95E+03 | U     | 80         | 3.67E-03                       |
| Cyclohexane                      | 110-82-7   | Yes                                                                      | Yes                                                               | 84.16  | U      | 9.69E+01                  | U      | 5.50E+01 | U     |            | 1.50E-01                       |
| Dichlorodifluoromethane          | 75-71-8    | Yes                                                                      | Yes                                                               | 120.91 | U      | 4.85E+03                  | U      | 2.80E+02 | U     |            | 3.43E-01                       |
| Ethanol                          | 64-17-5    | Yes                                                                      | No                                                                | 46.07  | U      | 5.93E+01                  | U      | 1.00E+06 | U     |            | 5.00E-06                       |
| Ethylbenzene                     | 100-41-4   | Yes                                                                      | Yes                                                               | 106.17 | U      | 9.60E+00                  | U      | 1.69E+02 | U     | 700        | 7.88E-03                       |
| Heptane, N-                      | 142-82-5   | Yes                                                                      | Yes                                                               | 100.21 | U      | 4.60E+01                  | U      | 3.40E+00 | U     |            | 2.00E+00                       |
| Hexane, N-                       | 110-54-3   | Yes                                                                      | Yes                                                               | 86.18  | U      | 1.51E+02                  | U      | 9.50E+00 | U     |            | 1.80E+00                       |
| Isopropanol                      | 67-63-0    | Yes                                                                      | Yes                                                               | 60.10  | U      | 4.54E+01                  | U      | 1.00E+06 | U     |            | 8.10E-06                       |
| Methyl Ethyl Ketone (2-Butanone) | 78-93-3    | Yes                                                                      | Yes                                                               | 72.11  | U      | 9.06E+01                  | U      | 2.23E+05 | U     |            | 5.69E-05                       |
| Tetrachloroethylene              | 127-18-4   | Yes                                                                      | Yes                                                               | 165.83 | U      | 1.85E+01                  | U      | 2.06E+02 | U     | 5          | 1.77E-02                       |
| Toluene                          | 108-88-3   | Yes                                                                      | Yes                                                               | 92.14  | U      | 2.84E+01                  | U      | 5.26E+02 | U     | 1000       | 6.64E-03                       |
| Trichloroethane, 1,1,1-          | 71-55-6    | Yes                                                                      | Yes                                                               | 133.41 | U      | 1.24E+02                  | U      | 1.29E+03 | U     | 200        | 1.72E-02                       |
| Trichloroethylene                | 79-01-6    | Yes                                                                      | Yes                                                               | 131.39 | U      | 6.90E+01                  | U      | 1.28E+03 | U     | 5          | 9.85E-03                       |
| Trichlorofluoromethane           | 75-69-4    | Yes                                                                      | No                                                                | 137.37 | U      | 8.03E+02                  | U      | 1.10E+03 | U     |            | 9.70E-02                       |
| Trimethylbenzene, 1,2,4-         | 95-63-6    | Yes                                                                      | Yes                                                               | 120.20 | U      | 2.10E+00                  | U      | 5.70E+01 | U     |            | 6.16E-03                       |
| Trimethylbenzene, 1,3,5-         | 108-67-8   | Yes                                                                      | Yes                                                               | 120.20 | U      | 2.48E+00                  | U      | 4.82E+01 | U     |            | 8.77E-03                       |
| Xylene, o-                       | 95-47-6    | Yes                                                                      | Yes                                                               | 106.17 | U      | 6.61E+00                  | U      | 1.78E+02 | U     |            | 5.18E-03                       |

| Chemical                         | Henry's Law Constant (unitless) | H' and HLC Ref | Henry's Law Constant Used in Calcs (unitless) | Normal Boiling Point BP (K) | BP Ref | Critical Temperature TC (K) | TC Ref | Enthalpy of vaporization at the normal boiling point $\Delta H_{v,b}$ (cal/mol) | $\Delta H_{v,b}$ Ref | Lower Explosive Limit LEL (% by volume) | LEL Ref |
|----------------------------------|---------------------------------|----------------|-----------------------------------------------|-----------------------------|--------|-----------------------------|--------|---------------------------------------------------------------------------------|----------------------|-----------------------------------------|---------|
| Acetone                          | 1.43E-03                        | U              | 1.43E-03                                      | 329.15                      | U      | 5.08E+02                    | U      | 6960.00                                                                         | U                    | 2.50                                    | U       |
| Benzene                          | 2.27E-01                        | U              | 2.27E-01                                      | 353.15                      | U      | 5.62E+02                    | U      | 7340.00                                                                         | U                    | 1.20                                    | U       |
| Butadiene, 1,3-                  | 3.01E+00                        | U              | 3.01E+00                                      | 268.75                      | U      | 4.25E+02                    | U      | 5370.00                                                                         | U                    | 2.00                                    | U       |
| Carbon Disulfide                 | 5.89E-01                        | U              | 5.89E-01                                      | 319.15                      | U      | 5.52E+02                    | U      | 6390.00                                                                         | U                    | 1.30                                    | U       |
| Chloroform                       | 1.50E-01                        | U              | 1.50E-01                                      | 334.25                      | U      | 5.36E+02                    | U      | 6990.00                                                                         | U                    |                                         |         |
| Cyclohexane                      | 6.13E+00                        | U              | 6.13E+00                                      | 353.85                      | U      | 5.53E+02                    | U      | 7160.00                                                                         | U                    | 1.30                                    | U       |
| Dichlorodifluoromethane          | 1.40E+01                        | U              | 1.40E+01                                      | 243.35                      | U      | 3.85E+02                    | U      | 4800.00                                                                         | U                    |                                         |         |
| Ethanol                          | 2.04E-04                        | U              | 2.04E-04                                      | 351.35                      | U      | 5.15E+02                    | U      | 9220.00                                                                         | U                    | 3.30                                    | U       |
| Ethylbenzene                     | 3.22E-01                        | U              | 3.22E-01                                      | 409.15                      | U      | 6.17E+02                    | U      | 8500.00                                                                         | U                    | 0.80                                    | U       |
| Heptane, N-                      | 8.18E+01                        | U              | 8.18E+01                                      | 371.65                      | U      | 5.40E+02                    | U      | 7590.00                                                                         | U                    | 1.05                                    | U       |
| Hexane, N-                       | 7.36E+01                        | U              | 7.36E+01                                      | 341.85                      | U      | 5.08E+02                    | U      | 6900.00                                                                         | U                    | 1.10                                    | U       |
| Isopropanol                      | 3.31E-04                        | U              | 3.31E-04                                      | 355.45                      | U      | 5.08E+02                    | U      | 10800.00                                                                        | U                    | 2.00                                    | U       |
| Methyl Ethyl Ketone (2-Butanone) | 2.33E-03                        | U              | 2.33E-03                                      | 352.65                      | U      | 5.37E+02                    | U      | 7480.00                                                                         | U                    | 1.40                                    | U       |
| Tetrachloroethylene              | 7.24E-01                        | U              | 7.24E-01                                      | 394.15                      | U      | 6.20E+02                    | U      | 8290.00                                                                         | U                    |                                         |         |
| Toluene                          | 2.71E-01                        | U              | 2.71E-01                                      | 384.15                      | U      | 5.92E+02                    | U      | 7930.00                                                                         | U                    | 1.10                                    | U       |
| Trichloroethane, 1,1,1-          | 7.03E-01                        | U              | 7.03E-01                                      | 347.15                      | U      | 5.45E+02                    | U      | 7140.00                                                                         | U                    | 8.00                                    | U       |
| Trichloroethylene                | 4.03E-01                        | U              | 4.03E-01                                      | 360.35                      | U      | 5.71E+02                    | U      | 7500.00                                                                         | U                    | 8.00                                    | U       |
| Trichlorofluoromethane           | 3.97E+00                        | U              | 3.97E+00                                      | 296.85                      | U      | 4.71E+02                    | U      | 6000.00                                                                         | U                    |                                         |         |
| Trimethylbenzene, 1,2,4-         | 2.52E-01                        | U              | 2.52E-01                                      | 442.15                      | U      | 6.49E+02                    | U      | 9370.00                                                                         | U                    | 0.90                                    | U       |
| Trimethylbenzene, 1,3,5-         | 3.59E-01                        | U              | 3.59E-01                                      | 438.15                      | U      | 6.37E+02                    | U      | 9320.00                                                                         | U                    | 1.00                                    | U       |
| Xylene, o-                       | 2.12E-01                        | U              | 2.12E-01                                      | 417.15                      | U      | 6.30E+02                    | U      | 8660.00                                                                         | U                    | 0.90                                    | U       |

## Site-specific VISL Results

### Commercial Equation Inputs

\* Inputted values different from Commercial defaults are highlighted.  
Output generated 13JUL2020:18:50:10

| Variable                                                       | Commercial<br>Air<br>Default<br>Value | Form-input<br>Value |
|----------------------------------------------------------------|---------------------------------------|---------------------|
| AF <sub>gw</sub> (Attenuation Factor Groundwater) unitless     | 0.001                                 | 0.001               |
| AF <sub>ss</sub> (Attenuation Factor Sub-Slab) unitless        | 0.03                                  | 0.03                |
| AT <sub>w</sub> (averaging time - composite worker)            | 365                                   | 365                 |
| ED <sub>w</sub> (exposure duration - composite worker) yr      | 25                                    | 25                  |
| EF <sub>w</sub> (exposure frequency - composite worker) day/yr | 250                                   | 250                 |
| ET <sub>w</sub> (exposure time - composite worker) hr          | 8                                     | 8                   |
| THQ (target hazard quotient) unitless                          | 0.1                                   | 0.1                 |
| LT (lifetime) yr                                               | 70                                    | 70                  |
| TR (target risk) unitless                                      | 1.0E-06                               | 1.0E-06             |

**Commercial Vapor Intrusion Screening Levels (VISL)**

**Key: I = IRIS; P = PPRTV; O = OPP; A = ATSDR; C = Cal EPA; X = PPRTV Screening Level; H = HEAST; D = DWSHA; W = TEF applied; E = RPF applied; U = user provided; G = see RSL User's Guide Section 5; CA = cancer; NC = noncancer.**

| Chemical                         | CAS Number | Does the chemical meet the definition for volatility? (HLC>1E-5 or VP>1) | Does the chemical have inhalation toxicity data? (IUR and/or RfC) | Is Chemical Sufficiently Volatile and Toxic to Pose Inhalation Risk Via Vapor Intrusion from Soil Source? ( $C_{vp} > C_{ia}$ , Target?) | Is Chemical Sufficiently Volatile and Toxic to Pose Inhalation Risk Via Vapor Intrusion from Groundwater Source? ( $C_{hc} > C_{ia}$ , Target?) | Target Indoor Air Concentration (TCR=1E-06 or THQ=0.1) $\text{MIN}(C_{ia,c}, C_{ia,nc})$ ( $\mu\text{g}/\text{m}^3$ ) | Toxicity Basis |
|----------------------------------|------------|--------------------------------------------------------------------------|-------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------|
| Acetone                          | 67-64-1    | Yes                                                                      | Yes                                                               | Yes                                                                                                                                      | Yes                                                                                                                                             | 1.35E+04                                                                                                              | NC             |
| Benzene                          | 71-43-2    | Yes                                                                      | Yes                                                               | Yes                                                                                                                                      | Yes                                                                                                                                             | 1.57E+00                                                                                                              | CA             |
| Butadiene, 1,3-                  | 106-99-0   | Yes                                                                      | Yes                                                               | Yes                                                                                                                                      | Yes                                                                                                                                             | 4.09E-01                                                                                                              | CA             |
| Carbon Disulfide                 | 75-15-0    | Yes                                                                      | Yes                                                               | Yes                                                                                                                                      | Yes                                                                                                                                             | 3.07E+02                                                                                                              | NC             |
| Chloroform                       | 67-66-3    | Yes                                                                      | Yes                                                               | Yes                                                                                                                                      | Yes                                                                                                                                             | 5.33E-01                                                                                                              | CA             |
| Cyclohexane                      | 110-82-7   | Yes                                                                      | Yes                                                               | Yes                                                                                                                                      | Yes                                                                                                                                             | 2.63E+03                                                                                                              | NC             |
| Dichlorodifluoromethane          | 75-71-8    | Yes                                                                      | Yes                                                               | Yes                                                                                                                                      | Yes                                                                                                                                             | 4.38E+01                                                                                                              | NC             |
| Ethanol                          | 64-17-5    | Yes                                                                      | No                                                                | No Inhal. Tox. Info                                                                                                                      | No Inhal. Tox. Info                                                                                                                             |                                                                                                                       |                |
| Ethylbenzene                     | 100-41-4   | Yes                                                                      | Yes                                                               | Yes                                                                                                                                      | Yes                                                                                                                                             | 4.91E+00                                                                                                              | CA             |
| Heptane, N-                      | 142-82-5   | Yes                                                                      | Yes                                                               | Yes                                                                                                                                      | Yes                                                                                                                                             | 1.75E+02                                                                                                              | NC             |
| Hexane, N-                       | 110-54-3   | Yes                                                                      | Yes                                                               | Yes                                                                                                                                      | Yes                                                                                                                                             | 3.07E+02                                                                                                              | NC             |
| Isopropanol                      | 67-63-0    | Yes                                                                      | Yes                                                               | Yes                                                                                                                                      | Yes                                                                                                                                             | 8.76E+01                                                                                                              | NC             |
| Methyl Ethyl Ketone (2-Butanone) | 78-93-3    | Yes                                                                      | Yes                                                               | Yes                                                                                                                                      | Yes                                                                                                                                             | 2.19E+03                                                                                                              | NC             |
| Tetrachloroethylene              | 127-18-4   | Yes                                                                      | Yes                                                               | Yes                                                                                                                                      | Yes                                                                                                                                             | 1.75E+01                                                                                                              | NC             |
| Toluene                          | 108-88-3   | Yes                                                                      | Yes                                                               | Yes                                                                                                                                      | Yes                                                                                                                                             | 2.19E+03                                                                                                              | NC             |
| Trichloroethane, 1,1,1-          | 71-55-6    | Yes                                                                      | Yes                                                               | Yes                                                                                                                                      | Yes                                                                                                                                             | 2.19E+03                                                                                                              | NC             |
| Trichloroethylene                | 79-01-6    | Yes                                                                      | Yes                                                               | Yes                                                                                                                                      | Yes                                                                                                                                             | 8.76E-01                                                                                                              | NC             |
| Trichlorofluoromethane           | 75-69-4    | Yes                                                                      | No                                                                | No Inhal. Tox. Info                                                                                                                      | No Inhal. Tox. Info                                                                                                                             |                                                                                                                       |                |
| Trimethylbenzene, 1,2,4-         | 95-63-6    | Yes                                                                      | Yes                                                               | Yes                                                                                                                                      | Yes                                                                                                                                             | 2.63E+01                                                                                                              | NC             |
| Trimethylbenzene, 1,3,5-         | 108-67-8   | Yes                                                                      | Yes                                                               | Yes                                                                                                                                      | Yes                                                                                                                                             | 2.63E+01                                                                                                              | NC             |
| Xylene, o-                       | 95-47-6    | Yes                                                                      | Yes                                                               | Yes                                                                                                                                      | Yes                                                                                                                                             | 4.38E+01                                                                                                              | NC             |

**Commercial Vapor Intrusion Screening Levels (VISL)**

**Key: I = IRIS; P = PPRTV; O = OPP; A = ATSDR; C = Cal EPA; X = PPRTV Screening Level; H = HEAST; D = DWSHA; W = TEF applied; E = RPF applied; U = user provided; G = see RSL User's Guide Section 5; CA = cancer; NC = noncancer.**

| Chemical                         | Target Sub-Slab and Near-source Soil Gas Concentration (TCR=1E-06 or THQ=0.1) $C_{sg,Target}$ ( $\mu\text{g}/\text{m}^3$ ) | Target Groundwater Concentration (TCR=1E-06 or THQ=0.1) $C_{gw,Target}$ ( $\mu\text{g}/\text{L}$ ) | Is Target Groundwater Concentration < MCL? ( $C_{gw} < \text{MCL?}$ ) | Pure Phase Vapor Concentration $C_{vp}$ ( $25^\circ\text{C}$ ) ( $\mu\text{g}/\text{m}^3$ ) | Maximum Groundwater Vapor Concentration $C_{hc}$ ( $\mu\text{g}/\text{m}^3$ ) | Temperature for Maximum Groundwater Vapor Concentration ( $^\circ\text{C}$ ) | Lower Explosive Limit LEL (% by volume) |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|------------------------------------------------------------------------------|-----------------------------------------|
| Acetone                          | 4.51E+05                                                                                                                   | 9.46E+06                                                                                           | --                                                                    | 7.25E+08                                                                                    | 1.43E+09                                                                      | 25                                                                           | 2.50                                    |
| Benzene                          | 5.24E+01                                                                                                                   | 6.93E+00                                                                                           | No (5)                                                                | 3.98E+08                                                                                    | 4.06E+08                                                                      | 25                                                                           | 1.20                                    |
| Butadiene, 1,3-                  | 1.36E+01                                                                                                                   | 1.36E-01                                                                                           | --                                                                    | 6.14E+09                                                                                    | 2.21E+09                                                                      | 25                                                                           | 2.00                                    |
| Carbon Disulfide                 | 1.02E+04                                                                                                                   | 5.21E+02                                                                                           | --                                                                    | 1.47E+09                                                                                    | 1.27E+09                                                                      | 25                                                                           | 1.30                                    |
| Chloroform                       | 1.78E+01                                                                                                                   | 3.55E+00                                                                                           | Yes (80)                                                              | 1.26E+09                                                                                    | 1.19E+09                                                                      | 25                                                                           |                                         |
| Cyclohexane                      | 8.76E+04                                                                                                                   | 4.29E+02                                                                                           | --                                                                    | 4.39E+08                                                                                    | 3.37E+08                                                                      | 25                                                                           | 1.30                                    |
| Dichlorodifluoromethane          | 1.46E+03                                                                                                                   | 3.12E+00                                                                                           | --                                                                    | 3.15E+10                                                                                    | 3.93E+09                                                                      | 25                                                                           |                                         |
| Ethanol                          |                                                                                                                            |                                                                                                    |                                                                       | 1.47E+08                                                                                    | 2.04E+08                                                                      | 25                                                                           | 3.30                                    |
| Ethylbenzene                     | 1.64E+02                                                                                                                   | 1.52E+01                                                                                           | Yes (700)                                                             | 5.48E+07                                                                                    | 5.44E+07                                                                      | 25                                                                           | 0.80                                    |
| Heptane, N-                      | 5.84E+03                                                                                                                   | 2.14E+00                                                                                           | --                                                                    | 2.48E+08                                                                                    | 2.78E+08                                                                      | 25                                                                           | 1.05                                    |
| Hexane, N-                       | 1.02E+04                                                                                                                   | 4.17E+00                                                                                           | --                                                                    | 7.00E+08                                                                                    | 6.99E+08                                                                      | 25                                                                           | 1.10                                    |
| Isopropanol                      | 2.92E+03                                                                                                                   | 2.65E+05                                                                                           | --                                                                    | 1.47E+08                                                                                    | 3.31E+08                                                                      | 25                                                                           | 2.00                                    |
| Methyl Ethyl Ketone (2-Butanone) | 7.30E+04                                                                                                                   | 9.41E+05                                                                                           | --                                                                    | 3.51E+08                                                                                    | 5.19E+08                                                                      | 25                                                                           | 1.40                                    |
| Tetrachloroethylene              | 5.84E+02                                                                                                                   | 2.42E+01                                                                                           | No (5)                                                                | 1.65E+08                                                                                    | 1.49E+08                                                                      | 25                                                                           |                                         |
| Toluene                          | 7.30E+04                                                                                                                   | 8.07E+03                                                                                           | No (1000)                                                             | 1.41E+08                                                                                    | 1.43E+08                                                                      | 25                                                                           | 1.10                                    |
| Trichloroethane, 1,1,1-          | 7.30E+04                                                                                                                   | 3.11E+03                                                                                           | No (200)                                                              | 8.90E+08                                                                                    | 9.07E+08                                                                      | 25                                                                           | 8.00                                    |
| Trichloroethylene                | 2.92E+01                                                                                                                   | 2.18E+00                                                                                           | Yes (5)                                                               | 4.88E+08                                                                                    | 5.15E+08                                                                      | 25                                                                           | 8.00                                    |
| Trichlorofluoromethane           |                                                                                                                            |                                                                                                    |                                                                       | 5.93E+09                                                                                    | 4.36E+09                                                                      | 25                                                                           |                                         |
| Trimethylbenzene, 1,2,4-         | 8.76E+02                                                                                                                   | 1.04E+02                                                                                           | --                                                                    | 1.36E+07                                                                                    | 1.44E+07                                                                      | 25                                                                           | 0.90                                    |
| Trimethylbenzene, 1,3,5-         | 8.76E+02                                                                                                                   | 7.33E+01                                                                                           | --                                                                    | 1.60E+07                                                                                    | 1.73E+07                                                                      | 25                                                                           | 1.00                                    |
| Xylene, o-                       | 1.46E+03                                                                                                                   | 2.07E+02                                                                                           | --                                                                    | 3.77E+07                                                                                    | 3.77E+07                                                                      | 25                                                                           | 0.90                                    |

# Commercial Vapor Intrusion Screening Levels (VISL)

**Key: I = IRIS; P = PPRTV; O = OPP; A = ATSDR; C = Cal EPA; X = PPRTV Screening Level; H = HEAST; D = DWSHA; W = TEF applied; E = RPF applied; U = user provided; G = see RSL User's Guide Section 5; CA = cancer; NC = noncancer.**

| Chemical                         | LEL<br>Ref | IUR<br>( $\mu\text{g}/\text{m}^3$ ) <sup>-1</sup> | IUR<br>Ref | RfC<br>( $\text{mg}/\text{m}^3$ ) | RfC<br>Ref | Mutagenic<br>Indicator | Carcinogenic<br>VISL<br>TCR=1E-06<br>$C_{\text{ia,c}}$<br>( $\mu\text{g}/\text{m}^3$ ) | Noncarcinogenic<br>VISL<br>THQ=0.1<br>$C_{\text{ia,nc}}$<br>( $\mu\text{g}/\text{m}^3$ ) |
|----------------------------------|------------|---------------------------------------------------|------------|-----------------------------------|------------|------------------------|----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| Acetone                          | U          |                                                   |            | 3.09E+01                          | U          | No                     |                                                                                        | 1.35E+04                                                                                 |
| Benzene                          | U          | 7.80E-06                                          | U          | 3.00E-02                          | U          | No                     | 1.57E+00                                                                               | 1.31E+01                                                                                 |
| Butadiene, 1,3-                  | U          | 3.00E-05                                          | U          | 2.00E-03                          | U          | No                     | 4.09E-01                                                                               | 8.76E-01                                                                                 |
| Carbon Disulfide                 | U          |                                                   |            | 7.00E-01                          | U          | No                     |                                                                                        | 3.07E+02                                                                                 |
| Chloroform                       |            | 2.30E-05                                          | U          | 9.77E-02                          | U          | No                     | 5.33E-01                                                                               | 4.28E+01                                                                                 |
| Cyclohexane                      | U          |                                                   |            | 6.00E+00                          | U          | No                     |                                                                                        | 2.63E+03                                                                                 |
| Dichlorodifluoromethane          |            |                                                   |            | 1.00E-01                          | U          | No                     |                                                                                        | 4.38E+01                                                                                 |
| Ethanol                          | U          |                                                   |            |                                   |            | No                     |                                                                                        |                                                                                          |
| Ethylbenzene                     | U          | 2.50E-06                                          | U          | 1.00E+00                          | U          | No                     | 4.91E+00                                                                               | 4.38E+02                                                                                 |
| Heptane, N-                      | U          |                                                   |            | 4.00E-01                          | U          | No                     |                                                                                        | 1.75E+02                                                                                 |
| Hexane, N-                       | U          |                                                   |            | 7.00E-01                          | U          | No                     |                                                                                        | 3.07E+02                                                                                 |
| Isopropanol                      | U          |                                                   |            | 2.00E-01                          | U          | No                     |                                                                                        | 8.76E+01                                                                                 |
| Methyl Ethyl Ketone (2-Butanone) | U          |                                                   |            | 5.00E+00                          | U          | No                     |                                                                                        | 2.19E+03                                                                                 |
| Tetrachloroethylene              |            | 2.60E-07                                          | U          | 4.00E-02                          | U          | No                     | 4.72E+01                                                                               | 1.75E+01                                                                                 |
| Toluene                          | U          |                                                   |            | 5.00E+00                          | U          | No                     |                                                                                        | 2.19E+03                                                                                 |
| Trichloroethane, 1,1,1-          | U          |                                                   |            | 5.00E+00                          | U          | No                     |                                                                                        | 2.19E+03                                                                                 |
| Trichloroethylene                | U          | 4.10E-06                                          | U          | 2.00E-03                          | U          | Mut                    | 2.99E+00                                                                               | 8.76E-01                                                                                 |
| Trichlorofluoromethane           |            |                                                   |            |                                   |            | No                     |                                                                                        |                                                                                          |
| Trimethylbenzene, 1,2,4-         | U          |                                                   |            | 6.00E-02                          | U          | No                     |                                                                                        | 2.63E+01                                                                                 |
| Trimethylbenzene, 1,3,5-         | U          |                                                   |            | 6.00E-02                          | U          | No                     |                                                                                        | 2.63E+01                                                                                 |
| Xylene, o-                       | U          |                                                   |            | 1.00E-01                          | U          | No                     |                                                                                        | 4.38E+01                                                                                 |

| Chemical                         | CAS Number | Does the chemical meet the definition for volatility? (HLC>1E-5 or VP>1) | Does the chemical have inhalation toxicity data? (IUR and/or RfC) | MW     | MW Ref | Vapor Pressure VP (mm Hg) | VP Ref | S (mg/L) | S Ref | MCL (ug/L) | HLC (atm-m <sup>3</sup> /mole) |
|----------------------------------|------------|--------------------------------------------------------------------------|-------------------------------------------------------------------|--------|--------|---------------------------|--------|----------|-------|------------|--------------------------------|
| Acetone                          | 67-64-1    | Yes                                                                      | Yes                                                               | 58.08  | U      | 2.32E+02                  | U      | 1.00E+06 | U     |            | 3.50E-05                       |
| Benzene                          | 71-43-2    | Yes                                                                      | Yes                                                               | 78.12  | U      | 9.48E+01                  | U      | 1.79E+03 | U     | 5          | 5.55E-03                       |
| Butadiene, 1,3-                  | 106-99-0   | Yes                                                                      | Yes                                                               | 54.09  | U      | 2.11E+03                  | U      | 7.35E+02 | U     |            | 7.36E-02                       |
| Carbon Disulfide                 | 75-15-0    | Yes                                                                      | Yes                                                               | 76.14  | U      | 3.59E+02                  | U      | 2.16E+03 | U     |            | 1.44E-02                       |
| Chloroform                       | 67-66-3    | Yes                                                                      | Yes                                                               | 119.38 | U      | 1.97E+02                  | U      | 7.95E+03 | U     | 80         | 3.67E-03                       |
| Cyclohexane                      | 110-82-7   | Yes                                                                      | Yes                                                               | 84.16  | U      | 9.69E+01                  | U      | 5.50E+01 | U     |            | 1.50E-01                       |
| Dichlorodifluoromethane          | 75-71-8    | Yes                                                                      | Yes                                                               | 120.91 | U      | 4.85E+03                  | U      | 2.80E+02 | U     |            | 3.43E-01                       |
| Ethanol                          | 64-17-5    | Yes                                                                      | No                                                                | 46.07  | U      | 5.93E+01                  | U      | 1.00E+06 | U     |            | 5.00E-06                       |
| Ethylbenzene                     | 100-41-4   | Yes                                                                      | Yes                                                               | 106.17 | U      | 9.60E+00                  | U      | 1.69E+02 | U     | 700        | 7.88E-03                       |
| Heptane, N-                      | 142-82-5   | Yes                                                                      | Yes                                                               | 100.21 | U      | 4.60E+01                  | U      | 3.40E+00 | U     |            | 2.00E+00                       |
| Hexane, N-                       | 110-54-3   | Yes                                                                      | Yes                                                               | 86.18  | U      | 1.51E+02                  | U      | 9.50E+00 | U     |            | 1.80E+00                       |
| Isopropanol                      | 67-63-0    | Yes                                                                      | Yes                                                               | 60.10  | U      | 4.54E+01                  | U      | 1.00E+06 | U     |            | 8.10E-06                       |
| Methyl Ethyl Ketone (2-Butanone) | 78-93-3    | Yes                                                                      | Yes                                                               | 72.11  | U      | 9.06E+01                  | U      | 2.23E+05 | U     |            | 5.69E-05                       |
| Tetrachloroethylene              | 127-18-4   | Yes                                                                      | Yes                                                               | 165.83 | U      | 1.85E+01                  | U      | 2.06E+02 | U     | 5          | 1.77E-02                       |
| Toluene                          | 108-88-3   | Yes                                                                      | Yes                                                               | 92.14  | U      | 2.84E+01                  | U      | 5.26E+02 | U     | 1000       | 6.64E-03                       |
| Trichloroethane, 1,1,1-          | 71-55-6    | Yes                                                                      | Yes                                                               | 133.41 | U      | 1.24E+02                  | U      | 1.29E+03 | U     | 200        | 1.72E-02                       |
| Trichloroethylene                | 79-01-6    | Yes                                                                      | Yes                                                               | 131.39 | U      | 6.90E+01                  | U      | 1.28E+03 | U     | 5          | 9.85E-03                       |
| Trichlorofluoromethane           | 75-69-4    | Yes                                                                      | No                                                                | 137.37 | U      | 8.03E+02                  | U      | 1.10E+03 | U     |            | 9.70E-02                       |
| Trimethylbenzene, 1,2,4-         | 95-63-6    | Yes                                                                      | Yes                                                               | 120.20 | U      | 2.10E+00                  | U      | 5.70E+01 | U     |            | 6.16E-03                       |
| Trimethylbenzene, 1,3,5-         | 108-67-8   | Yes                                                                      | Yes                                                               | 120.20 | U      | 2.48E+00                  | U      | 4.82E+01 | U     |            | 8.77E-03                       |
| Xylene, o-                       | 95-47-6    | Yes                                                                      | Yes                                                               | 106.17 | U      | 6.61E+00                  | U      | 1.78E+02 | U     |            | 5.18E-03                       |

| Chemical                         | Henry's Law Constant (unitless) | H' and HLC Ref | Henry's Law Constant Used in Calcs (unitless) | Normal Boiling Point BP (K) | BP Ref | Critical Temperature TC (K) | TC Ref | Enthalpy of vaporization at the normal boiling point $\Delta H_{v,b}$ (cal/mol) | $\Delta H_{v,b}$ Ref | Lower Explosive Limit LEL (% by volume) | LEL Ref |
|----------------------------------|---------------------------------|----------------|-----------------------------------------------|-----------------------------|--------|-----------------------------|--------|---------------------------------------------------------------------------------|----------------------|-----------------------------------------|---------|
| Acetone                          | 1.43E-03                        | U              | 1.43E-03                                      | 329.15                      | U      | 5.08E+02                    | U      | 6960.00                                                                         | U                    | 2.50                                    | U       |
| Benzene                          | 2.27E-01                        | U              | 2.27E-01                                      | 353.15                      | U      | 5.62E+02                    | U      | 7340.00                                                                         | U                    | 1.20                                    | U       |
| Butadiene, 1,3-                  | 3.01E+00                        | U              | 3.01E+00                                      | 268.75                      | U      | 4.25E+02                    | U      | 5370.00                                                                         | U                    | 2.00                                    | U       |
| Carbon Disulfide                 | 5.89E-01                        | U              | 5.89E-01                                      | 319.15                      | U      | 5.52E+02                    | U      | 6390.00                                                                         | U                    | 1.30                                    | U       |
| Chloroform                       | 1.50E-01                        | U              | 1.50E-01                                      | 334.25                      | U      | 5.36E+02                    | U      | 6990.00                                                                         | U                    |                                         |         |
| Cyclohexane                      | 6.13E+00                        | U              | 6.13E+00                                      | 353.85                      | U      | 5.53E+02                    | U      | 7160.00                                                                         | U                    | 1.30                                    | U       |
| Dichlorodifluoromethane          | 1.40E+01                        | U              | 1.40E+01                                      | 243.35                      | U      | 3.85E+02                    | U      | 4800.00                                                                         | U                    |                                         |         |
| Ethanol                          | 2.04E-04                        | U              | 2.04E-04                                      | 351.35                      | U      | 5.15E+02                    | U      | 9220.00                                                                         | U                    | 3.30                                    | U       |
| Ethylbenzene                     | 3.22E-01                        | U              | 3.22E-01                                      | 409.15                      | U      | 6.17E+02                    | U      | 8500.00                                                                         | U                    | 0.80                                    | U       |
| Heptane, N-                      | 8.18E+01                        | U              | 8.18E+01                                      | 371.65                      | U      | 5.40E+02                    | U      | 7590.00                                                                         | U                    | 1.05                                    | U       |
| Hexane, N-                       | 7.36E+01                        | U              | 7.36E+01                                      | 341.85                      | U      | 5.08E+02                    | U      | 6900.00                                                                         | U                    | 1.10                                    | U       |
| Isopropanol                      | 3.31E-04                        | U              | 3.31E-04                                      | 355.45                      | U      | 5.08E+02                    | U      | 10800.00                                                                        | U                    | 2.00                                    | U       |
| Methyl Ethyl Ketone (2-Butanone) | 2.33E-03                        | U              | 2.33E-03                                      | 352.65                      | U      | 5.37E+02                    | U      | 7480.00                                                                         | U                    | 1.40                                    | U       |
| Tetrachloroethylene              | 7.24E-01                        | U              | 7.24E-01                                      | 394.15                      | U      | 6.20E+02                    | U      | 8290.00                                                                         | U                    |                                         |         |
| Toluene                          | 2.71E-01                        | U              | 2.71E-01                                      | 384.15                      | U      | 5.92E+02                    | U      | 7930.00                                                                         | U                    | 1.10                                    | U       |
| Trichloroethane, 1,1,1-          | 7.03E-01                        | U              | 7.03E-01                                      | 347.15                      | U      | 5.45E+02                    | U      | 7140.00                                                                         | U                    | 8.00                                    | U       |
| Trichloroethylene                | 4.03E-01                        | U              | 4.03E-01                                      | 360.35                      | U      | 5.71E+02                    | U      | 7500.00                                                                         | U                    | 8.00                                    | U       |
| Trichlorofluoromethane           | 3.97E+00                        | U              | 3.97E+00                                      | 296.85                      | U      | 4.71E+02                    | U      | 6000.00                                                                         | U                    |                                         |         |
| Trimethylbenzene, 1,2,4-         | 2.52E-01                        | U              | 2.52E-01                                      | 442.15                      | U      | 6.49E+02                    | U      | 9370.00                                                                         | U                    | 0.90                                    | U       |
| Trimethylbenzene, 1,3,5-         | 3.59E-01                        | U              | 3.59E-01                                      | 438.15                      | U      | 6.37E+02                    | U      | 9320.00                                                                         | U                    | 1.00                                    | U       |
| Xylene, o-                       | 2.12E-01                        | U              | 2.12E-01                                      | 417.15                      | U      | 6.30E+02                    | U      | 8660.00                                                                         | U                    | 0.90                                    | U       |



## **APPENDIX E: NYSDOH SOIL VAPOR/INDOOR AIR MATRICES**

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# Soil Vapor/Indoor Air Matrix A

May 2017

## Analytes Assigned:

Trichloroethene (TCE), *cis*-1,2-Dichloroethene (c12-DCE), 1,1-Dichloroethene (11-DCE), Carbon Tetrachloride

| SUB-SLAB VAPOR<br>CONCENTRATION of<br>COMPOUND (mcg/m <sup>3</sup> ) | INDOOR AIR CONCENTRATION of COMPOUND (mcg/m <sup>3</sup> ) |                      |                                                   |
|----------------------------------------------------------------------|------------------------------------------------------------|----------------------|---------------------------------------------------|
|                                                                      | < 0.2                                                      | 0.2 to < 1           | 1 and above                                       |
| < 6                                                                  | 1. No further action                                       | 2. No Further Action | 3. IDENTIFY SOURCE(S)<br>and RESAMPLE or MITIGATE |
| 6 to < 60                                                            | 4. No further action                                       | 5. MONITOR           | 6. MITIGATE                                       |
| 60 and above                                                         | 7. MITIGATE                                                | 8. MITIGATE          | 9. MITIGATE                                       |

**No further action:** No additional actions are recommended to address human exposures.

**Identify Source(s) and Resample or Mitigate:** We recommend that reasonable and practical actions be taken to identify the source(s) affecting the indoor air quality and that actions be implemented to reduce indoor air concentrations to within background ranges. For example, if an indoor or outdoor air source is identified, we recommend the appropriate party implement actions to reduce the levels. In the event that indoor or outdoor sources are not readily identified or confirmed, resampling (which might include additional sub-slab vapor and indoor air sampling locations) is recommended to demonstrate that SVI mitigation actions are not needed. Based on the information available, mitigation might also be recommended when soil vapor intrusion cannot be ruled out.

**Monitor:** We recommend monitoring (sampling on a recurring basis), including but not necessarily limited to sub-slab vapor, basement air and outdoor air sampling, to determine whether concentrations in the indoor air or sub-slab vapor have changed and/or to evaluate temporal influences. Monitoring might also be recommended to determine whether existing building conditions (e.g., positive pressure heating, ventilation and air-conditioning systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined based on site-, building- and analyte-specific information, taking into account applicable environmental data and building operating conditions. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

**Mitigate:** We recommend mitigation to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a building-specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

These general recommendations are made with consideration being given to the additional notes on page 2.

## ADDITIONAL NOTES FOR MATRIX A

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This matrix summarizes actions recommended to address current and potential exposures related to soil vapor intrusion. To use the matrix appropriately as a tool in the decision-making process, the following should be noted:

- [1] The matrix is generic. As such, it may be appropriate to modify a recommended action to accommodate analyte-specific, building-specific conditions (e.g., dirt floor in basement, crawl spaces, thick slabs, current occupancy, etc.), and/or factors provided in Section 3.2 of the guidance (e.g., current land use, environmental conditions, etc.). For example, collection of additional samples may be recommended when the matrix indicates "no further action" for a particular building, but the results of adjacent buildings (especially sub-slab vapor results) indicate a need to take actions to address exposures related to soil vapor intrusion. Mitigation might be recommended when the results of multiple contaminants indicate monitoring is recommended. Proactive actions may be proposed at any time. For example, the party implementing the actions may decide to install sub-slab depressurization systems on buildings where the matrix indicates "no further action" or "monitoring." Such an action might be undertaken for reasons other than public health (e.g., seeking community acceptance, reducing costs, etc.). However, actions implemented *in lieu* of sampling will typically be expected to be captured in the final engineering report and site management plan, and might not rule out the need for post-implementation sampling (e.g., to document effectiveness or to support terminating the action).
- [2] Actions provided in the matrix are specific to addressing human exposures. Implementation of these actions does not preclude investigating possible sources of soil vapor contamination, nor does it preclude remediating contaminated soil vapor or the source of soil vapor contamination.
- [3] Appropriate care should be taken during all aspects of sample collection to ensure that high quality data are obtained. Since the data are being used in the decision-making process, the laboratory analyzing the environmental samples must have current Environmental Laboratory Approval Program (ELAP) certification for the appropriate analyte and environmental matrix combinations. Furthermore, samples should be analyzed by methods that can achieve a minimum reporting limit of 0.20 microgram per cubic meter for indoor and outdoor air samples. For sub-slab vapor samples and dirt floor soil vapor samples, a minimum reporting limit of 1 microgram per cubic meter is recommended.
- [4] Sub-slab vapor and indoor air samples are typically collected when the likelihood of soil vapor intrusion is considered to be the greatest (i.e., worst-case conditions). If samples are collected at other times (typically, samples collected outside of the heating season), then resampling during worst-case conditions might be appropriate to verify that actions taken to address exposures related to soil vapor intrusion are protective of human health.
- [5] When current exposures are attributed to sources other than soil vapor intrusion, the agencies should be given documentation (e.g., applicable environmental data, completed indoor air sampling questionnaire, digital photographs, etc.) to support a proposed action other than that provided in the matrix box and to support agency assessment and follow-up.
- [6] The party responsible for implementing the recommended actions will differ depending upon several factors, including but not limited to the following: the identified source of the volatile chemicals, the environmental remediation program, and analyte-specific, site-specific and building-specific factors.

# Soil Vapor/Indoor Air Matrix B

May 2017

## Analytes Assigned:

Tetrachloroethene (PCE), 1,1,1-Trichloroethane (111-TCA), Methylene Chloride

| SUB-SLAB VAPOR<br>CONCENTRATION of<br>COMPOUND (mcg/m <sup>3</sup> ) | INDOOR AIR CONCENTRATION of COMPOUND (mcg/m <sup>3</sup> ) |                      |                                                   |
|----------------------------------------------------------------------|------------------------------------------------------------|----------------------|---------------------------------------------------|
|                                                                      | < 3                                                        | 3 to < 10            | 10 and above                                      |
| < 100                                                                | 1. No further action                                       | 2. No Further Action | 3. IDENTIFY SOURCE(S)<br>and RESAMPLE or MITIGATE |
| 100 to < 1,000                                                       | 4. No further action                                       | 5. MONITOR           | 6. MITIGATE                                       |
| 1,000 and above                                                      | 7. MITIGATE                                                | 8. MITIGATE          | 9. MITIGATE                                       |

**No further action:** No additional actions are recommended to address human exposures.

**Identify Source(s) and Resample or Mitigate:** We recommend that reasonable and practical actions be taken to identify the source(s) affecting the indoor air quality and that actions be implemented to reduce indoor air concentrations to within background ranges. For example, if an indoor or outdoor air source is identified, we recommend the appropriate party implement actions to reduce the levels. In the event that indoor or outdoor sources are not readily identified or confirmed, resampling (which might include additional sub-slab vapor and indoor air sampling locations) is recommended to demonstrate that SVI mitigation actions are not needed. Based on the information available, mitigation might also be recommended when soil vapor intrusion cannot be ruled out.

**Monitor:** We recommend monitoring (sampling on a recurring basis), including but not necessarily limited to sub-slab vapor, basement air and outdoor air sampling, to determine whether concentrations in the indoor air or sub-slab vapor have changed and/or to evaluate temporal influences. Monitoring might also be recommended to determine whether existing building conditions (e.g., positive pressure heating, ventilation and air-conditioning systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined based on site-, building- and analyte-specific information, taking into account applicable environmental data and building operating conditions. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

**Mitigate:** We recommend mitigation to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a building-specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

These general recommendations are made with consideration being given to the additional notes on page 2.

## ADDITIONAL NOTES FOR MATRIX B

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This matrix summarizes actions recommended to address current and potential exposures related to soil vapor intrusion. To use the matrix appropriately as a tool in the decision-making process, the following should be noted:

- [1] The matrix is generic. As such, it may be appropriate to modify a recommended action to accommodate analyte-specific, building-specific conditions (e.g., dirt floor in basement, crawl spaces, thick slabs, current occupancy, etc.), and/or factors provided in Section 3.2 of the guidance (e.g., current land use, environmental conditions, etc.). For example, collection of additional samples may be recommended when the matrix indicates "no further action" for a particular building, but the results of adjacent buildings (especially sub-slab vapor results) indicate a need to take actions to address exposures related to soil vapor intrusion. Mitigation might be recommended when the results of multiple contaminants indicate monitoring is recommended. Proactive actions may be proposed at any time. For example, the party implementing the actions may decide to install sub-slab depressurization systems on buildings where the matrix indicates "no further action" or "monitoring." Such an action might be undertaken for reasons other than public health (e.g., seeking community acceptance, reducing costs, etc.). However, actions implemented *in lieu* of sampling will typically be expected to be captured in the final engineering report and site management plan, and might not rule out the need for post-implementation sampling (e.g., to document effectiveness or to support terminating the action).
- [2] Actions provided in the matrix are specific to addressing human exposures. Implementation of these actions does not preclude investigating possible sources of soil vapor contamination, nor does it preclude remediating contaminated soil vapor or the source of soil vapor contamination.
- [3] Appropriate care should be taken during all aspects of sample collection to ensure that high quality data are obtained. Since the data are being used in the decision-making process, the laboratory analyzing the environmental samples must have current Environmental Laboratory Approval Program (ELAP) certification for the appropriate analyte and environmental matrix combinations. Furthermore, samples should be analyzed by methods that can achieve a minimum reporting limit of 1 microgram per cubic meter for indoor and outdoor air samples. For sub-slab vapor samples and dirt floor soil vapor samples, a minimum reporting limit of 1 microgram per cubic meter is recommended.
- [4] Sub-slab vapor and indoor air samples are typically collected when the likelihood of soil vapor intrusion is considered to be the greatest (i.e., worst-case conditions). If samples are collected at other times (typically, samples collected outside of the heating season), then resampling during worst-case conditions might be appropriate to verify that actions taken to address exposures related to soil vapor intrusion are protective of human health.
- [5] When current exposures are attributed to sources other than soil vapor intrusion, the agencies should be given documentation (e.g., applicable environmental data, completed indoor air sampling questionnaire, digital photographs, etc.) to support a proposed action other than that provided in the matrix box and to support agency assessment and follow-up.
- [6] The party responsible for implementing the recommended actions will differ depending upon several factors, including but not limited to the following: the identified source of the volatile chemicals, the environmental remediation program, and analyte-specific, site-specific and building-specific factors.

# Soil Vapor/Indoor Air Matrix C

May 2017

## Analytes Assigned:

Vinyl Chloride

| SUB-SLAB VAPOR<br>CONCENTRATION of<br>COMPOUND (mcg/m <sup>3</sup> ) | INDOOR AIR CONCENTRATION of COMPOUND (mcg/m <sup>3</sup> ) |                                                   |
|----------------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------|
|                                                                      | < 0.2                                                      | 0.2 and above                                     |
| < 6                                                                  | 1. No further action                                       | 2. IDENTIFY SOURCE(S) and<br>RESAMPLE or MITIGATE |
| 6 to < 60                                                            | 3. MONITOR                                                 | 4. MITIGATE                                       |
| 60 and above                                                         | 5. MITIGATE                                                | 6. MITIGATE                                       |

**No further action:** No additional actions are recommended to address human exposures.

**Identify Source(s) and Resample or Mitigate:** We recommend that reasonable and practical actions be taken to identify the source(s) affecting the indoor air quality and that actions be implemented to reduce indoor air concentrations to within background ranges. For example, if an indoor or outdoor air source is identified, we recommend the appropriate party implement actions to reduce the levels. In the event that indoor or outdoor sources are not readily identified or confirmed, resampling (which might include additional sub-slab vapor and indoor air sampling locations) is recommended to demonstrate that SVI mitigation actions are not needed. Based on the information available, mitigation might also be recommended when soil vapor intrusion cannot be ruled out.

**Monitor:** We recommend monitoring (sampling on a recurring basis), including but not necessarily limited to sub-slab vapor, basement air and outdoor air sampling, to determine whether concentrations in the indoor air or sub-slab vapor have changed and/or to evaluate temporal influences. Monitoring might also be recommended to determine whether existing building conditions (e.g., positive pressure heating, ventilation and air-conditioning systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined based on site-, building- and analyte-specific information, taking into account applicable environmental data and building operating conditions. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

**Mitigate:** We recommend mitigation to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a building-specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

These general recommendations are made with consideration being given to the additional notes on page 2.

## ADDITIONAL NOTES FOR MATRIX C

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This matrix summarizes actions recommended to address current and potential exposures related to soil vapor intrusion. To use the matrix appropriately as a tool in the decision-making process, the following should be noted:

- [1] The matrix is generic. As such, it may be appropriate to modify a recommended action to accommodate analyte-specific, building-specific conditions (e.g., dirt floor in basement, crawl spaces, thick slabs, current occupancy, etc.), and/or factors provided in Section 3.2 of the guidance (e.g., current land use, environmental conditions, etc.). For example, collection of additional samples may be recommended when the matrix indicates "no further action" for a particular building, but the results of adjacent buildings (especially sub-slab vapor results) indicate a need to take actions to address exposures related to soil vapor intrusion. Mitigation might be recommended when the results of multiple contaminants indicate monitoring is recommended. Proactive actions may be proposed at any time. For example, the party implementing the actions may decide to install sub-slab depressurization systems on buildings where the matrix indicates "no further action" or "monitoring." Such an action might be undertaken for reasons other than public health (e.g., seeking community acceptance, reducing costs, etc.). However, actions implemented *in lieu* of sampling will typically be expected to be captured in the final engineering report and site management plan, and might not rule out the need for post-implementation sampling (e.g., to document effectiveness or to support terminating the action).
- [2] Actions provided in the matrix are specific to addressing human exposures. Implementation of these actions does not preclude investigating possible sources of soil vapor contamination, nor does it preclude remediating contaminated soil vapor or the source of soil vapor contamination.
- [3] Appropriate care should be taken during all aspects of sample collection to ensure that high quality data are obtained. Since the data are being used in the decision-making process, the laboratory analyzing the environmental samples must have current Environmental Laboratory Approval Program (ELAP) certification for the appropriate analyte and environmental matrix combinations. Furthermore, samples should be analyzed by methods that can achieve a minimum reporting limit of 0.20 microgram per cubic meter for indoor and outdoor air samples. For sub-slab vapor samples and dirt floor soil vapor samples, a minimum reporting limit of 1 microgram per cubic meter is recommended.
- [4] Sub-slab vapor and indoor air samples are typically collected when the likelihood of soil vapor intrusion is considered to be the greatest (i.e., worst-case conditions). If samples are collected at other times (typically, samples collected outside of the heating season), then resampling during worst-case conditions might be appropriate to verify that actions taken to address exposures related to soil vapor intrusion are protective of human health.
- [5] When current exposures are attributed to sources other than soil vapor intrusion, the agencies should be given documentation (e.g., applicable environmental data, completed indoor air sampling questionnaire, digital photographs, etc.) to support a proposed action other than that provided in the matrix box and to support agency assessment and follow-up.
- [6] The party responsible for implementing the recommended actions will differ depending upon several factors, including but not limited to the following: the identified source of the volatile chemicals, the environmental remediation program, and analyte-specific, site-specific and building-specific factors.