
In-Situ Chemical Oxidation Treatability Study Report

for

Enclave on 241st Street Development

714 East 241st Street

Block 5087, Lot 1

Bronx, New York

NYSDEC BCP Site Number: C203077

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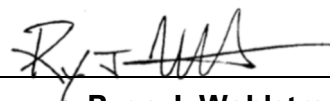
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1.0 BACKGROUND

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan) has prepared this In-Situ Chemical Oxidation (ISCO) Treatability Study Report for the Enclave on 241st Street Development Brownfield Cleanup Program (BCP) site located at 714 East 241st Street in the Bronx, New York (the "Site") (see Figure 1).

The BCP site encompasses 26,690 square feet and includes approximately 100 feet of frontage along White Plains Road, 185 feet of frontage along 241st Street, and 171 feet of frontage along Furman Avenue. The New York City Transit Authority (NYCTA) #2 rail corridor and station platform are allocated above grade along the northwestern property line. Prior to demolition activities (completed in 2018), the site contained four buildings including an approximate 1,086-square-foot one-story office building with basement, an approximate 3,375-square foot one-story former auto body shop building, an approximate 1,500-square foot one-story former auto body shop building, and an approximate 2,400-square foot, two-story residential building with a basement.

The general stratigraphy at the site consists of uncontrolled fill ranging in depth from about 6 to 15 feet below grade surface (bgs), underlain by a layer of sand interbedded with silt, clay and boulders, overlying bedrock. The depth to groundwater is about 9 to 12 feet bgs and flows to the south.

The proposed development will consist of a new 11-story residential building, with a below-grade parking garage, and retail on the first floor. Volatile organic compounds (VOCs) have been detected at the site at concentrations exceeding NYSDEC Division of Water Technical and Operation Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards (AWQS) for Class GA groundwater. VOC concentrations in groundwater are greatest in the northern and western portions of the site (in the vicinity of the former gasoline filling station and automobile repair shop), and decrease to the south and east. Based on analytical results, the source of onsite VOC contamination is likely petroleum releases from the former (now removed) on-site underground storage tank (USTs).

2.0 TREATABILITY STUDY OVERVIEW

The goal of the treatability study was to evaluate the effectiveness of ISCO application using Klozur[®] CR and alkaline-activated sodium persulfate in reducing concentrations of contaminants of concern (COCs) at the Site and to determine design criteria for field implementation. Klozur[®] CR is a formulated product of PeroxyChem LLC, Philadelphia, PA, and consists of alkaline activated Klozur[®] SP (sodium persulfate) and PermeOx[®] Ultra (engineered calcium peroxide). The safety data sheets (SDS) for the test reagents are provided in Appendix A.

Design criteria for field implementation of ISCO application include the dosage of reagents, and specifically for oxidant application, dosage is based on soil oxidant demand (SOD). SOD is a measure of total oxidant consumption by both natural constituents and contaminants in soil. SOD is the key design parameter for remedial design because the ISCO field implementation dosage

is primarily determined by the SOD value. SOD is typically driven by the presence of natural organic matter and reduced metals (notably iron and manganese as well as colloidal soil/clays). The demand for oxidant from these “sinks” typically are much greater than the demand from the contaminant itself.

Considering this, the specific objectives of the treatability study were set as follows:

- To derive the SOD using sodium persulfate and Klozur[®] CR;
- To determine alkaline reagent dosage for activation of sodium persulfate; and
- To verify the effectiveness of ISCO in reducing concentrations of COCs.

The treatability study was performed by Langan personnel at Terra Systems, Inc.’s (Claymont, DE) laboratory space because Langan’s treatability facility located at the New Jersey Institute of Technology (NJIT) was inaccessible due to the COVID-19 pandemic.

3.0 METHODS

The treatability study involved field sample collection and bench scale study testing. Field samples were collected with two objectives as follows:

- Collect analytical samples to assess distribution of contaminants as compared to the previously proposed treatment areas as shown on Figure 2, and to collect analytical samples to assess dosage for the ISCO study.
- Collect bulk soil and groundwater samples for setting up the treatability study.

This report is primarily focused on the ISCO treatability study; however, field sampling procedures and all analytical data is also provided in this report.

3.1 Field Sampling

3.1.1 Soil Investigation and Sampling

Four soil borings (SB-40 through SB-43) were completed during the treatability study by Lakewood Environmental Services (Lakewood) of Smithtown, New York. Soil boring locations based on treatability study groundwater well locations to evaluate the effectiveness of in-situ groundwater treatment. Borings were advanced using a direct-push Geoprobe[®] 6100 DT drill rig. Soil boring locations are shown on Figure 2. Soil borings were advanced to 25 feet bgs. Soil cores from the borings were collected into dedicated 5-foot acetate sleeves. A Langan field engineer screened the soil samples with a PID equipped with a 10.6 electron volt (eV) lamp and classified the material for soil type, grain size, and texture. Soil boring logs prepared by Langan field personnel are provided in Appendix B.

Soil Analytical Samples

Soil analytical samples were collected from each soil boring during the groundwater well installation to identify distribution of contaminants and to collect data to assess oxidant dosage for the ISCO study. Samples were collected within and below the proposed excavation zone (approximately 15 feet bgs), as follows:

- Soil sampling within proposed excavation zone:
 - SB-40 between 11 and 20 feet bgs
 - SB-41 between 11 and 20 feet bgs
 - SB-42 between 12 and 15 feet bgs; and
 - SB-43 between 8 and 18 feet bgs
- Soil sampling below the proposed excavation zone:
 - SB-40 between 20 and 23 feet bgs
 - SB-41 between 20 and 23 feet bgs; and
 - SB-42 between 17 and 20 feet bgs

A duplicate soil sample (DUP01_072520, parent sample is SB-41_11-20) was collected for quality assurance and quality control purposes.

Soil samples were collected analyzed for one or more of the following parameters:

- Part 375/Target Compound List (TCL) VOCs;
- Target Analyte List (TAL) metals;
- Mercury by EPA Method 7473;
- Chemical oxygen demand (COD);
- Total organic carbon (TOC); and
- Total Petroleum Hydrocarbons – Gasoline Range Organics (TPH-GRO)

Samples submitted for VOC analysis were collected directly from the acetate sleeve via laboratory supplied Terra Core[®] soil samplers. The remaining sample volume was homogenized and placed in appropriate laboratory-supplied containers for all additional analyses. Sample containers were labeled, placed in a laboratory-supplied cooler with ice (to maintain a temperature of 4°C), and transported at the end of each day under standard chain-of-custody protocol by a courier to York Analytical Laboratories (York).

Bulk Sample for Treatability Study

Additionally, two ½-gallon bulk soil samples were collected for the treatability study from boring locations SB-40, SB-41 and SB-42 (Figure 2). At each boring location one soil sample was collected within the excavation zone and one soil sample was collected below the proposed excavation zone. Soil was packed into the ½-gallon soil containers without any head space. The ½-gallon soil containers were placed in a Langan-supplied cooler with ice and delivered to the Langan Treatability Facility under a standard chain-of-custody.

During all sampling, decontamination of sampling equipment between boring locations was completed by placing equipment into a wash tub containing Alconox soap along with potable water and scrubbed with a brush. Equipment was rinsed with clean water in a second wash tub followed by a deionized water rinse.

3.1.2 Groundwater Monitoring Well Installation and Sampling

The four soil borings (SB-40 through SB-43) were converted into permanent groundwater monitoring wells (MW-40 through MW-43) by inserting 10 feet of 2-inch-diameter, Schedule 40 polyvinyl chloride (PVC) 0.01-inch slotted screen into the completed boreholes that were approximately 25 feet deep. The boreholes were backfilled approximately five feet to 20 feet bgs before installation of the monitoring wells. The wells were finished with approximately 8 to 10 feet of solid 2-inch-diameter riser to grade. All monitoring well annuluses were backfilled with clean No. 2 filter sand to grade and capped with a hydrated bentonite seal. The wells (including existing wells MW-07B, MW-08B, MW-16B, and MW-17B) were purged a minimum of three well volumes and developed until the groundwater was clear.

Analytical Samples

Nine groundwater samples (including one duplicate QA/QC sample) were collected for chemical analysis. Groundwater sample collection data is reported in Table 2. Sampling logs with information on purging and sampling of groundwater monitoring wells is included in Appendix B. Figure 2 shows the location of groundwater sampling. Samples were collected in accordance with the United States Environmental Protection Agency's (USEPA) low-flow groundwater sampling procedure ("Low Stress [low-flow] Purging and Sampling Procedure for the Collection of Groundwater Samples from Monitoring Wells", dated July 30, 1996 and revised September 19, 2017) to allow for collection of representative samples. Prior to sample collection, groundwater was purged from each well while monitoring physical and chemical groundwater parameters (i.e., pH, conductivity, turbidity, dissolved oxygen, temperature, and oxidation-reduction potential). Groundwater was purged until physical and chemical groundwater parameters stabilized or after the well was purged for one hour, whichever was sooner. Groundwater samples were collected with a peristaltic pump with dedicated polyethylene tubing.

Groundwater samples were collected into labeled, laboratory-supplied containers, placed in a laboratory-supplied cooler, and packed on ice in an attempt to maintain a temperature of about 4°C. The samples were picked up and delivered via courier service to York under standard chain-of-custody protocol. All groundwater monitoring wells were sampled for Part 375/TCL VOCs. In addition, groundwater samples from MW-08B and MW-40 through MW-42 were analyzed for total and dissolved iron and manganese, TOC, TPH-GRO, COD, and alkalinity. One duplicate sample (DUP01_080520, parent sample is MW-43_080520) was collected for quality assurance and quality control purposes.

Bulk Sample for Treatability Study

Additionally, two 5-liter bags (Labtainer™) were filled with groundwater without headspace from the newly installed groundwater monitoring well with the highest PID readings (Appendix B), MW-42. The groundwater bags were placed in a Langan-supplied cooler with ice and delivered to the Langan Treatability Facility.

3.2 Treatability Study

The treatability study comprised of multiple steps including, sample homogenization, baseline sampling, pH titration test, SOD test, and combined SOD and effectiveness test. A description of these steps is provided below.

3.2.1 Sample Homogenization, Baseline Sampling, and Titration

Soil sample homogenization and baseline sampling was complete on July 30, 2020, and pH titration tests were completed on August 6, 2020.

Soil Sample Homogenization

The soil from the two treatment areas were homogenized (mixed) into the following samples used for testing:

- Treatment Area 1
 - Soil sample collected within the excavation zone at MW-42 was homogenized and used to setup a combined SOD and effectiveness test.
 - Soil sample collected below the excavation zone at MW-42 was homogenized and used to setup a SOD-only test.
- Treatment Area 2
 - Soil sample collected within the excavation zone at MW-40 and MW-41 was homogenized and used to setup a combined SOD and effectiveness test.
 - Soil sample collected below the excavation zone at MW-40 and MW-41 was homogenized and used to setup a SOD-only test.

Soils were manually mixed in a large soil mixing tub, and one soil analytical sample was collected from each soil type for analysis of VOCs. Analytical samples were sent to York Analytical Laboratories Inc. The homogenized soil for ISCO testing was packed into plastic bags, with no headspace and were stored in the refrigerator. The baseline soil analytical results are summarized in Table 3. Laboratory analytical reports are provided in Appendix C. Results are discussed in Section 4.

Titration

Site groundwater and homogenized soils were used to perform pH titration tests using a 25% sodium hydroxide solution. Titrations with alkaline reagent were performed to determine the required dosage to increase the pH of each soil and groundwater slurry to 11 standard units

(S.U.), required for alkaline activation of persulfate. Titration data is provided in Appendix D. Results of the titration are discussed in Section 4.

3.2.2 SOD-Only Test

A summary of SOD-only test setup is provided in Table 4. A SOD-only test was set up on 19 August 2020 and consisted of ten four-ounce jars, including eight treatment jars and two controls jars. SOD-only test jars were setup with homogenized soil from below the excavation zone and groundwater from MW-42 as follows:

- Treatment jars with homogenized soil from MW-40 and MW-41 below the excavation zone with groundwater from MW-42: Two jars with alkaline activated sodium persulfate (jars 31 and 32) and two jars with Klozur[®] CR (jars 29 and 30).
- Treatment jars with homogenized soil from MW-42 below the excavation zone with groundwater from MW-42: Two jars with alkaline activated sodium persulfate (jars 35 and 36) and two jars with Klozur[®] CR (jars 33 and 34).
- Control jars with groundwater from MW-42: Two jars, one with alkaline-activated sodium persulfate (jar 29) and other with Klozur[®] CR (jar 27).

Each treatment and control was set up in amber glass jars. Once all reagents were added, the contents of each jar were mixed manually by shaking the closed jar. The jars were then placed on a workbench at ambient (room) temperature for two weeks. After one week, the pH was measured in jars dosed with alkaline-activated sodium persulfate using pH paper strips. After two weeks, the pH, oxidation reduction potential (ORP), and residual oxidant were measured in each of the jars using pH meter (Myron Ultrameter[™] II). The residual oxidant was measured using a sodium permanganate titration method.

3.2.3 Combined SOD and Effectiveness Test

A summary of combined SOD and effectiveness test setup is provided in Table 4. A combined SOD and effectiveness test was set up on 20 August 2020 and consisted of twenty six 16-ounce jars, including twenty treatment jars and six controls jars. Combined SOD and effectiveness test jars were set up as follows:

- Homogenized soil from MW-40 and MW-41 with the excavation zone and groundwater from MW-42: Ten treatment jars, four with alkaline-activated sodium persulfate (jars 11 to 14) and six with Klozur[®] CR (jars 5 to 10) and two controls jars without any oxidant (jars 3 and 4).
- Homogenized soil from MW-42 with the excavation zone and groundwater from MW-42: Ten treatment jars, four with alkaline-activated sodium persulfate (jars 23 to 26) and six with Klozur[®] CR (jars 17 to 22) and two controls jars without any oxidant (jars 15 and 16).
- Two SOD controls were set up using of groundwater from MW-42, one with alkaline-activated sodium persulfate (jar 2), and another with Klozur[®] CR (jar 1).
- All jars with soil and groundwater were set up in duplicate.

Similar to the SOD-only test, each jar was shaken after the reagents were added to the amber colored jars. Sodium persulfate amended jars were placed on a shaker (15 revolutions per minute). Based on our previous experience, Klozur[®]CR amended jars can sometimes rupture due to pressure generation. Therefore the jars closures or lids used for Klozur[®] CR amended jars were connected to tedlar bag for pressure release, and as protective measure the jars were placed inside enclosed boxes on a bench at room temperature.

After one week, the pH was measured in control jars without oxidant and in all jars dosed with alkaline-activated sodium persulfate, to assess if addition of alkali was needed in sodium persulfate amended jars to maintain alkaline pH as compared to jars without oxidant. After two weeks, the pH and ORP were measured in each of the jars using a pH and ORP meter (Myron Ultrameter II[™]), and the residual oxidant was measured from the oxidant treated jars using a sodium permanganate titration method. Groundwater samples for VOC and metals, and soil samples for VOC and TOC analysis were collected from the combined SOD and effectiveness test jars.

Analytical samples were sent to York Analytical Laboratories Inc., and all other analysis was performed at the treatability facility. Safety data sheets for ISCO chemicals are provided in Appendix A. Laboratory analytical reports are provided in Appendix C, and persulfate analysis raw data is provided in Appendix E. Results are discussed in section 4.0

4.0 RESULTS AND DISCUSSION

4.1 Field Soil and Groundwater Analytical Data

A summary of results from laboratory testing is summarized below.

4.1.1 Soil Sample Analytical Results

A total of nine soil samples (including one duplicate soil sample) were collected and submitted for laboratory analysis. A summary of the laboratory detections for soil samples collected during the treatability study are included in Table 1. Soil samples collected during the treatability study were compared to NYSDEC 6NYCRR Part 375 Section 6.8 Unrestricted Use (UU) and Restricted Use (RU) Residential Soil Cleanup Objectives (SCOs). Analytes detected at concentrations above the RUR SCOs are shown in bold. SCOs are shown in parentheses:

There were no exceedances in metals.

VOCs

- 1,2,4-trimethylbenzene: 97 mg/kg in SB-40_11-20 to 2,000 mg/kg in SB-42_12-15 (RUR SCO of 47 mg/kg)
- 1,3,5-trimethylbenzene: 24 mg/kg in SB-40_11-20 to 730 mg/kg in SB-42_12-15 (UU SCO of 8.4 mg/kg; RUR SCO of 47 mg/kg)
- Acetone: 11 mg/kg in SB-41_11-20 (UU SCO of 0.05 mg/kg)

- Benzene: 8.7 mg/kg in SB-40_11-20 to 150 mg/kg in SB-42_12-15 (UU SCO of 0.06 mg/kg; RUR SCO of 2.9 mg/kg)
- Ethyl Benzene: 54 mg/kg in B-40_11-20 to 1,100 mg/kg in SB-42_12-15 (UU SCO of 1 mg/kg; RUR SCO of 30 mg/kg)
- n-Butylbenzene: 130 mg/kg in SB-42_12-15 (RUR SCO of 100 mg/kg)
- n-Propylbenzene: 14 mg/kg in SB-40_11-20 to 330 mg/kg in SB-42_12-15 (UU SCO of 3.9 mg/kg; RUR SCO of 100 mg/kg)
- sec-Butylbenzene: 32 mg/kg in SB-42_12-15 (UU SCO of 11 mg/kg)
- Toluene: 33 mg/kg in SB-41_11-20 to 1,600 mg/kg in SB-42_12-15 (UU SCO of 0.07 mg/kg; RUR SCO of 100 mg/kg)
- total Xylenes: 290 in SB-40_11-20 to 4,500 mg/kg in SB-42_12-15 (UU SCO of 0.26 mg/kg; RUR SCO of 100 mg/kg)

TPH-GRO values ranged from 74.7 mg/kg in SB-43_8-18 to 14,100 mg/kg in SB-42_12-15. COD values ranged from 700 mg/kg in SB-40_20-23 to 3,500 mg/kg in SB-40_11-20. TOC values ranged from 339 mg/kg in DUP01_072520 to 2,150 mg/kg in SB-40_20-23 and SB-43_8-18 mg/kg.

4.1.2 Groundwater Sample Analytical Results

Nine groundwater samples (including one duplicate groundwater sample) were collected. Groundwater analytical results were compared to the NYSDEC SGVs. A summary of the laboratory detections for groundwater samples collected during the treatability study are included in Table 2. The analytical results are summarized below:

VOCs

- 1,2,4-Trimethylbenzene: 970 µg/L in MW-41 to 2,700 µg/L in MW-42 (SGV of 5 µg/L)
- 1,3,5-Trimethylbenzene: 330 µg/L in MW-41 to 700 µg/L in MW-42 (SGV of 5 µg/L)
- Acetone: 56 µg/L in MW-41 (SGV of 50 µg/L)
- Benzene: 42 µg/L in MW-17B to 9,500 µg/L in MW-08B (SGV of 1 µg/L)
- Ethylbenzene: 11 µg/L in MW-17B to 3,800 µg/L in MW-42 (SGV of 5 µg/L)
- Isopropylbenzene: 44 µg/L in MW-41 to 150 µg/L in MW-42 (SGV of 5 µg/L)
- Tert-butyl methyl ether (Methyl tert-butyl ether [MTBE]): 1,000 µg/L in MW-41 to 4,800 µg/L in MW-40 (SGV of 10 µg/L)
- m/p-Xylene: 39 µg/L in MW-17B to 13,000 µg/L in MW-42 (SGV of 5 µg/L)
- n-Propylbenzene: 120 µg/L in MW-41 to 320 µg/L in MW-42 (SGV of 5 µg/L)
- o-Xylene: 20 µg/L in MW-17B to 6,400 µg/L in MW-42 (SGV of 5 µg/L)
- sec-Butylbenzene: 5.8 µg/L in MW-41 (SGV of 5 µg/L)
- Tetrachloroethylene: 5.3 µg/L in MW-16B (SGV of 5 µg/L)
- Toluene: 110 µg/L in MW-17B to 23,000 µg/L in MW-08B (SGV of 5 µg/L)
- Total Xylenes: 59 µg/L in MW-17B to 20,000 µg/L in MW-42 (SGV of 5 µg/L)
- Trans-1,3-dichloropropylene: 940 µg/L in MW-40 (SGV of 0.4 µg/L)

Total manganese (SGV of 300 µg/L) exceeded NYSDEC SGVs in MW-40 (2,320 µg/L) and MW-08B (3,290 µg/L). Dissolved manganese exceeded NYSDEC SGVs in MW-40 (1,750 µg/L), MW-

42 (1,360 µg/L) and MW-08B (2,980 µg/L). Total iron exceeded the NYSDEC SGV in MW-08B (10,100 µg/L), MW-40 (18,300 µg/L) and MW-41 (2,740 µg/L).

4.2 Baseline Soil Analytical Data

A total of four soil samples were collected and submitted for laboratory analysis. A summary of the laboratory detections for soil samples collected during the baseline soil analysis are included in Table 3. Baseline soil analytical samples were collected from each soil type to characterize the VOC contamination in homogenized soils used for the test. Soil samples collected during the baseline soil analysis were compared to NYSDEC 6NYCRR Part 375 Section 6.8 UU SCOs. SCOs are shown in parentheses:

VOCs

- 1,2,4-trimethylbenzene: 6.2 mg/kg in MW.40 + MW.41_BE to 110 mg/kg in MW42_E (UU SCO of 3.6 mg/kg)
- 1,3,5-trimethylbenzene: 11 mg/kg in MW42_BE to 23 mg/kg in SB-42_12-15 (UU SCO of 8.4 mg/kg)
- Ethyl Benzene: 1.3 mg/kg in MW42_BE and MW.40 + MW.41_BE to 7.1 mg/kg in MW42_E (UU SCO of 1 mg/kg)
- Toluene: 0.79 mg/kg in MW.40 + MW.41_E to 27 mg/kg in MW42_E (UU SCO of 0.7 mg/kg)
- Total Xylenes: 7.3 mg/kg in MW.40 + MW.41_BE to 140 mg/kg in MW42_E (UU SCO of 0.26 mg/kg)

Generally, VOC concentrations in the homogenized soil from areas below the excavation zone were lower than those in the areas within the excavation zone for both treatment areas.

4.3 Alkaline Reagent Demand

Titration data are provided in Appendix D. Titration tests were performed to determine the dosage of alkaline reagent required to increase the pH of each soil type and groundwater to more than 11, which is the suitable pH for alkaline activation of persulfate. The alkaline reagent doses for the SOD-only and combined SOD and effectiveness tests were based on these results.

4.4 SOD-Only Test Results

The results of the SOD-only test, conducted with soils from below the excavation zone, are discussed herein.

4.4.1 pH and ORP

At the end of week one, the pH was measured in all test jars dosed with alkaline-activated sodium persulfate, and at the end of week two, the pH and ORP was measured in all test jars. The measurements were taken to assess if the alkaline pH optimal for effective persulfate activation, and high ORP (a result of persulfate-driven oxidation), were sustained during the test period as

compared to controls without oxidant and alkali. The pH and ORP measurements are summarized in Table 5 and are discussed below.

MW-42 Groundwater Only Jars

The pH in the groundwater only jars with sodium persulfate (jar 28) and Klozur[®] CR (jar 27) was 12.47 and 11.97, and the ORP was +128 mV and +268 mV, respectively. Thus alkaline pH and high ORP necessary for ISCO were maintained in the jars.

Groundwater and Treatment Area 1 (MW-42) Soil Jars

Alkaline-Activated Sodium Persulfate Jars

A pH of 14 was measured in the alkaline-activated sodium persulfate jars (35 and 36) at the end of week one. At the end of week two the pH was measured at 12.44 and 12.73, and ORP was +170 mV and +205 mV in the low and high dose jars (35 and 36), respectively. Thus alkaline pH was maintained and ORP increased with respect to persulfate dosage.

Klozur[®] CR Jars

At the end of week two pH in Klozur[®] CR jar was 11.09 and 12.30, and ORP was +275 mV and +82 mV, in low and high dose jars 33 and 34, respectively. Although pH was alkaline, the ORP in high dose jars was relatively low.

Groundwater and Treatment Area 2 (MW-40 and MW-41) Soil Jars

Alkaline-Activated Sodium Persulfate Jars

A pH of 14 was measured in the alkaline-activated sodium persulfate jars (31 and 32) at the end of week one. At the end of week two, the pH was 12.16 and 12.65, and the ORP was +161 mV and +194 mV, in low and high dose jars (31 and 32), respectively. Thus, alkaline pH was maintained and ORP increased with respect to persulfate dosage.

Klozur[®] CR Jars

At the end of week two, the pH in the Klozur[®] CR jars was 10.87 and 11.97 and the ORP was +320 mV and +94 mV in the low dose and high dose jars (29 and 30), respectively. Although pH was alkaline the ORP in high dose jars was relatively low.

Overall, the data shows that alkaline dosages used in the sodium persulfate SOD-only test was adequate to maintain an alkaline pH for persulfate activation. Additionally, the Klozur[®] CR provided and maintained an alkaline pH. The ORP levels in the SOD-only jars were all positive, indicating that oxidizing conditions were produced with oxidant addition. The lower ORP was measured in high dose Klozur[®] CR jars (30 and 34) were likely related to loss of oxidant (Appendix E).

4.4.2 SOD

The SOD was estimated based on the comparison of the residual oxidant concentrations at the end of the test and initial oxidant concentration during setup. Initial oxidant concentration was determined based on the dose of the oxidant used in each jar. Residual oxidant concentration was determined by measuring the oxidant remaining in the SOD jars after the two week test. Residual oxidant is the oxidant not consumed by the soil, groundwater, or contaminants. Groundwater oxidant demand was subtracted from the soil and groundwater oxidant demand, as described by equations below.

1. Oxidant demand = Initial oxidant concentration – Residual oxidant concentration
2. SOD = Oxidant demand of soil and groundwater – Oxidant demand of groundwater

The SOD test results are summarized in Table 5 and persulfate analysis raw data is in Appendix E. The SOD-Only test results are discussed below.

MW-42 Groundwater Only Jars

The groundwater (jar 28) sodium persulfate demand was 0.27 grams per liter (g/L). The groundwater (jar 27) Klozur[®] CR demand was 3.89 g/L.

Groundwater and Treatment Area 1 (MW-42) Soil Jars

Alkaline-Activated Sodium Persulfate Jars

The soil sodium persulfate demand was 3.31 grams per kilogram (g/kg) and 9.85 g/kg of wet soil for the low (jar 35) and high oxidant doses (jar 36), respectively.

Klozur[®] CR Jars

The soil Klozur[®] CR demand was 6.37 g/kg and 43.14 g/kg of wet soil for the low (jar 33) and high oxidant doses (jar 34), respectively.

Groundwater and Treatment Area 2 (MW-40 and MW-41) Soil Jars

Alkaline-Activated Sodium Persulfate Jars

The soil sodium persulfate demand was 5.15 g/kg and 12.30 g/kg of wet soil for the low (jar 31) and high oxidant (jar 32) doses, respectively.

Klozur[®] CR Jars

The soil Klozur[®] CR demand was 6.72 g/kg and 42.78 g/kg of wet soil for the low (jar 29) and high (jar 30) oxidant doses, respectively.

These results show that oxidant consumption increased with higher oxidant dosage, indicating that persulfate degradation (consumption) is concentration-dependent. Also oxidant demand for Klozur[®] CR, which contains 40 to 60% sodium persulfate, was higher than sodium persulfate oxidant demand for both soil and groundwater.

4.5 Combined SOD and Effectiveness Test Results

The effectiveness of the oxidant application was determined by conducting an effectiveness test on the soils within the excavation zone, as summarized in Table 4. ISCO effectiveness was evaluated by assessing the decrease in concentrations and mass of VOCs in soil and groundwater, as well as changes in groundwater concentrations of metals.

4.5.1 pH and ORP

At the end of week one, the pH was measured in all test jars dosed with alkaline-activated sodium persulfate, and at the end of week two, the pH and ORP was measured in all test jars. The pH and ORP measurements are summarized in Table 5 and are discussed below.

MW-42 Groundwater Only Jars

In the groundwater only jar (jar 2) dosed with alkaline-activated sodium persulfate, the pH was 14.00 after week one, and the pH and ORP were 12.52 and 162 mV, respectively, after week two. In the groundwater only jar dosed with Klozur[®] CR (jar 1), the pH and ORP were 12.02 and +228 mV, respectively, after week two.

Groundwater and Treatment Area 1 (MW-42) Soil Jars

No Oxidant Effectiveness Control jars

At the end of week one the pH in controls jars (15 and 16) was 7.00. At the end of week two, the pH in the control jars was 7.81 and 7.57, and the ORP was +154 mV and +149 mV, in jars 3 and 4, respectively.

Alkaline-Activated Sodium Persulfate Jars

At the end of week one, pH readings ranging from 12 to 14 were measured in the alkaline-activated sodium persulfate jars (23 to 26). At the end of week two, the pH in the between 10.71 to 12.72 and the ORP between +243 mV and +365 mV, was measured in jars 23 to 26.

Klozur[®] CR Jars

At the end of week two, the pH in the treatment jars 17 to 22 ranged from 10.85 to 12.04 and ORP ranged from +249 mV to +335 mV.

Groundwater and Treatment Area 2 (MW-40 and MW-41) Soil Jars

No Oxidant Effectiveness Control Jars

At the end of week one the pH in controls jars (3 and 4) was 7.00. At the end of week two, the pH in the control jars was 7.62 and 7.48, and the ORP was +332 mV and +252 mV, in jars 3 and 4, respectively.

Alkaline-Activated Sodium Persulfate Jars

At the end of week one, pH readings ranging from 12 to 14.00 were measured in the alkaline-activated sodium persulfate jars (11 to 14). At the end of week two, the pH in the treatment jars ranged from 10.58 to 12.63 and ORP ranged from +264 mV to +323 mV.

Klozur[®] CR Jars

At the end of week two, the pH in the treatment jars (5 to 10) ranged from 10.58 to 12.06 and the ORP ranged from 146 mV to 260 mV.

Overall, the data shows that alkaline dosages used in the combined SOD and effectiveness test was adequate to maintain an alkaline pH for persulfate activation. Additionally, the Klozur[®] CR provided and maintained an alkaline pH. The ORP levels in the combined SOD and effectiveness test jars were all positive, indicating that oxidizing conditions were produced with oxidant addition.

4.5.2 SOD

Similar to the SOD-only test, the oxidant measurements from the combined effectiveness and SOD tests were used to estimate SOD for soils within the excavation zone. The SOD test results are in Table 5 and persulfate analysis raw data is in Appendix E. The results from each treatment area soil is discussed below.

MW-42 Groundwater Only Jars

The groundwater sodium persulfate (jar 2) demand was 0.62 g/L, and the groundwater Klozur[®] CR (jar 1) demand was 2.8 g/L.

Groundwater and Treatment Area 1 (MW-42) Soil Jars

Alkaline-Activated Sodium Persulfate Jars

The soil sodium persulfate demand was 10.41 and 9.79 g/kg of wet soil for jar 23 and 24, respectively, with low dose of sodium persulfate, and the demand was 40.56 and 42.00 g/kg of wet soil for jars 25 and 26, respectively, with high dose of sodium persulfate.

Klozur[®] CR Jars

The soil Klozur[®] CR demand was 16.64 and 16.83 g/kg of wet soil for the low dose jars 17 and 18 respectively, was 35.99 and 37.29 g/kg of wet soil for medium dose jar 19 and 20, respectively, and was 82.28 and 83.21 g/kg of wet soil for high dose jars 21 and 22, respectively.

Groundwater and Treatment Area 2 (MW-40 and MW-41) Soil Jars

Alkaline-Activated Sodium Persulfate Jars

The soil sodium persulfate demand was 10.90 and 9.93 g/kg of wet soil for the low dose jars 11 and 12, respectively, and was 27.17 and 31.64 g/kg of wet soil for high dose jars 13 and 14, respectively.

Klozur[®] CR Jars

The soil Klozur[®] CR demand was 15.93 and 15.44 g/kg of wet soil for low dose jars 5 and 6, respectively, was 39.37 to 40.81 g/kg of wet soil for medium dose jars 7 and 8, respectively, and was 90.29 and 89.94 g/kg of wet soil for the high dose jars 9 and 10, respectively.

Similar to the SOD-only test, these results show that oxidant consumption increased with higher oxidant dosage, indicating that persulfate degradation is concentration-dependent.

4.5.3 Volatile Organic Compounds

ISCO effectiveness on groundwater and soil VOCs was assessed by comparing changes in soil and groundwater concentrations and mass between effectiveness test control and treatment jars. The soil VOC analytical data is summarized in Table 6, and the groundwater VOC analytical data is summarized in Table 7. The soil and groundwater VOC mass reduction is summarized in Table 8A (Treatment Area 1) and in Table 8B (Treatment Area 2). The VOCs with soil and/or groundwater regulatory exceedances were considered for mass reduction calculations. These VOCs include 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, benzene, toluene, ethyl benzene, and xylenes (BTEX), isopropylbenzene, methyl tert-butyl ether (MTBE), n-butylbenzene, n-propylbenzene, p-isopropyltoluene, and sec-butylbenzene. The VOC results from each treatment area soil is discussed below.

Groundwater and Treatment Area 1 (MW-42) Soil Jars

Alkaline-Activated Sodium Persulfate Jars

- Soil: The soil VOC mass comparison between treatment and control jars are shown on Figure 4A. An 8% and 85% average reduction was observed in total soil VOC mass in the low dose jars 23 and 24 and high dose jars 25 and 26, respectively, as compared to the control jars 15 and 16 (Table 8A).

- **Groundwater:** The groundwater VOC mass comparison between treatment and control jars are shown on Figure 4B. A 67% and 99% average reduction was observed in total groundwater VOC mass in the low dose jars 23 and 24 and high dose jars 25 and 26, respectively, as compared to the control jars 15 and 16 (Table 8A).
- **Total Mass:** The total VOC mass comparison between treatment and control jars are shown on Figure 4C. The total VOC mass (groundwater VOC mass + soil VOC mass) in treatment jars decreased as compared to the control jars. A 37% and 92% average reduction was observed in total VOC mass in the low dose (jars 23 and 24) and high dose jars (25 and 26), respectively, compared to the control jars (15 and 16) (Table 8A).

Klozur[®] CR Jars

- **Soil:** The soil VOC mass comparison between treatment and control jars are shown on Figure 4A. A 22%, 10% and 11% average increase in total soil VOC mass was observed in low dose jars 17 and 18, medium dose jars 19 and 20, and high dose jars 21 and 22, respectively, as compared to the control jars 15 and 16 (Table 8A). This was likely a result of variability in soil VOC concentrations even after soils were mixed or homogenized prior to setup.
- **Groundwater:** The groundwater VOC mass comparison between treatment and control jars are shown on Figure 4B. The groundwater VOC concentrations and VOC mass in treatment jars decreased as compared to the control jars. A 50%, 70% and 80% average reduction was observed in total groundwater VOC mass in the low dose jars (17 and 18), medium dose jars (19 and 20), and high dose jars (21 and 22), respectively, compared to the control jars 15 and 16 (Table 8A).
- **Total Mass:** The total VOC mass comparison between treatment and control jars are shown on Figure 4C. The total VOC mass in treatment jars decreased as compared to the control jars. A 14%, 29%, and 34% average reduction was observed in total VOC mass in the low dose jars (17 and 18), medium dose jars (19 and 20), and high dose jars (21 and 22), respectively, compared to the control jars (15 and 16) (Table 8A).

Generally, the higher dosages of oxidant provided increased VOC mass reduction, as compared to control jars. The high dose of alkaline-activated sodium persulfate had the highest VOC mass reduction results out of all of the treatments tested on Treatment Area 1 soil. VOC mass reduction calculations for Treatment Area 1 soil are provided in Table 8A.

Treatment Area 2 (MW-40 and MW-41 Homogenized Soil)

Alkaline-Activated Sodium Persulfate Jars

- **Soil:** The soil VOC mass comparison between treatment and control jars are shown on Figure 5A. The soil VOC concentrations and VOC mass in treatment jars decreased as compared to the control jars. A 61% and 65% average reduction was observed in total soil VOC mass in the low dose jar (11 and 12) and high dose jars (13 and 14), respectively, as compared to the control jars (3 and 4) (Table 8B).

- **Groundwater:** The groundwater VOC mass comparison between treatment and control jars are shown on Figure 5B. The groundwater VOC concentrations and VOC mass in treatment jars decreased as compared to the control jars. A 90% and 99% average reduction was observed in total groundwater VOC mass in the low dose jars (11 and 12) and high dose jars (13 and 14), respectively, compared to the control jars (3 and 4) (Table 8B).
- **Total Mass:** The total VOC mass comparison between treatment and control jars are shown on Figure 5C. The total VOC mass in treatment jars decreased as compared to the control jars. A 79% and 87% average reduction was observed in total VOC mass in the low dose jars (11 and 12) and high dose jars (13 and 14), respectively, compared to the control jars (3 and 4).

Klozur[®] CR Jars

- **Soil:** The soil VOC mass comparison between treatment and control jars are shown on Figure 5A. The soil VOC concentrations and VOC mass in treatment jars decreased as compared to the control jars. A 43%, 46% and 56% average reduction was observed in total soil VOC mass in the low dose jars (5 and 6), medium dose jars (7 and 8), and high dose jars (9 and 10), respectively, compared to the control jars (3 and 4) (Table 8B).
- **Groundwater:** The groundwater VOC mass comparison between treatment and control jars are shown on Figure 5B. The groundwater VOC concentrations and VOC mass in treatment jars decreased as compared to the control jars. An 82%, 87% and 94% average reduction was observed in total groundwater VOC mass in the low dose jars (5 and 6), medium dose jars (7 and 8), and high dose jars (9 and 10), respectively, compared to the control jars (3 and 4) (Table 8B).
- **Total Mass:** The total VOC mass comparison between treatment and control jars are shown on Figure 5C. The total VOC mass in treatment jars decreased as compared to the control jars. A 67%, 72%, and 80% average reduction was observed in total VOC mass the low dose jars (5 and 6), medium dose jars (7 and 8), and high dose jars (9 and 10), respectively, compared to the control jars (3 and 4) (Table 8B).

Similar to the Treatment Area 1 results, the higher dosages of oxidant provided increased VOC mass reduction, as compared to control jars. The high dose of alkaline-activated sodium persulfate had the highest VOC mass reduction results out of all of the treatments tested on Treatment Area 2 soil. The high dose of Klozur[®] CR also had a high VOC mass reduction. VOC mass reduction calculations for Treatment Area 2 soil are provided in Table 8B.

4.5.4 Groundwater Metals

Not all ISCO treatment jars could be used for collection of metals data as water samples left after collection of VOC samples were fairly turbid and not suitable for collection of total and dissolved metals. The concentrations of dissolved metals in groundwater in the effectiveness test control jars and treatment jars are summarized in Table 7 and shown on Figures 4D and 5D. A significant increase in groundwater sodium concentrations between effectiveness test control and

treatment jars was noted due to the addition of the oxidants, both of which contain sodium persulfate. In addition, groundwater concentrations of dissolved chromium, copper, lead nickel, silver, manganese above the NYSDEC TOGS Standards and Guidance Values - GA criteria in oxidant treated jars were observed.

4.5.5 Soil Total Organic Carbon

Soil TOC data is provided in Table 6. Soil TOC between and 435 to 1230 mg/Kg and 762 to 1340 mg/Kg was observed for jars 3 to 14 and 15 to 26, respectively. Generally, an increase in soil TOC was observed between effectiveness test control and treatment jars for both treatment area soils. Typically, organic content decreases when oxidant is added as it destroys organic contaminants. In the treatment jars, it seems that the oxidant demand is high so the soil structure was altered, releasing more organic content.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Overall, the data shows ISCO is effective in treating VOCs in the site soil and groundwater. Based upon the findings of the treatability study, the recommendations and considerations for field implementation of ISCO are provided below.

- Reagent Selection: Based on the effectiveness test results, alkaline-activated sodium persulfate had higher VOC mass reduction than Klozur[®] CR for both treatment area soils and is therefore recommended for field application.
- Dosage: For both treatment areas, the highest dosage of alkaline-activated sodium persulfate was the most effective treatment option. Based on the calculated SOD, a target dosage of 42 g/kg of wet soil for Treatment Area 1, and 30 g/kg of wet soil for Treatment Area 2 are recommended. Exact dosages will be finalized during design considering implementation methods.
- Metals: ISCO can cause a transient increase in metals concentrations, most notably chromium. This increase typically will subside over time, returning to background when the groundwater condition returns to the baseline conditions. Monitoring of dissolved metals concentrations downgradient of the treatment area is recommended.

Tables

Table 1
In-Situ Chemical Oxidation Treatability Study Report
Soil Sample Analytical Results Summary
714 East 241st Street
Bronx, New York
NYSDEC BCP Site No.: C203077
Langan Project No.: 140115301

Location	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Use Residential SCOs	SB-40 SB-40_11-20 20G0969-01 7/25/2020 11-20	SB-40 SB-40_11-20 CG41776 7/25/2020 11-20	SB-40 SB-40_20-23 20G0969-02 7/25/2020 20-23	SB-40 SB-40_20-23 CG41777 7/25/2020 20-23	SB-41 SB-41_11-20 20G0969-03 7/25/2020 11-20	SB-41 SB-41_11-20 CG41778 7/25/2020 11-20	SB-41 DUP01_072520 20G0969-08 7/25/2020 11-20	SB-41 DUP01_072520 CG41783 7/25/2020 11-20	SB-41 SB-41_20-23 20G0969-04 7/25/2020 20-23	
Volatile Organic Compounds (mg/kg)												
1,2,4-Trimethylbenzene	3.6	47	97 D	NA	NA	NA	280 D	NA	250 D	NA	NA	
1,3,5-Trimethylbenzene (Mesitylene)	8.4	47	24 D	NA	NA	NA	67 D	NA	59 D	NA	NA	
Acetone	0.05	100	9.4 UJ	NA	NA	NA	11 J	NA	9.3 UJ	NA	NA	
Benzene	0.06	2.9	8.7 JD	NA	NA	NA	5.6 U	NA	12 D	NA	NA	
Cyclohexane	~	~	15 J	NA	NA	NA	9.1 J	NA	6 JD	NA	NA	
Ethylbenzene	1	30	54 D	NA	NA	NA	110 D	NA	120 D	NA	NA	
Isopropylbenzene (Cumene)	~	~	4.7 U	NA	NA	NA	15 D	NA	12 D	NA	NA	
M,P-Xylene	~	~	200 D	NA	NA	NA	440 D	NA	470 D	NA	NA	
Methylcyclohexane	~	~	53 D	NA	NA	NA	61 D	NA	77 D	NA	NA	
Methylene Chloride	0.05	51	9.4 U	NA	NA	NA	11 U	NA	9.3 U	NA	NA	
n-Butylbenzene	12	100	4.7 U	NA	NA	NA	8.2 JD	NA	7 JD	NA	NA	
n-Propylbenzene	3.9	100	14 D	NA	NA	NA	45 D	NA	39 D	NA	NA	
o-Xylene (1,2-Dimethylbenzene)	~	~	88 D	NA	NA	NA	170 D	NA	190 D	NA	NA	
p-Cymene (p-Isopropyltoluene)	~	~	4.7 U	NA	NA	NA	5.6 U	NA	4.7 U	NA	NA	
Sec-Butylbenzene	11	100	4.7 U	NA	NA	NA	5.6 U	NA	4.7 U	NA	NA	
Toluene	0.7	100	200 D	NA	NA	NA	33 J	NA	340 J	NA	NA	
Total Xylenes	0.26	100	290 D	NA	NA	NA	610 D	NA	660 D	NA	NA	
Petroleum Hydrocarbons (mg/kg)												
Gasoline Range Organics	~	~	1,660 BD	NA	NA	NA	106 J	NA	956 J	NA	NA	
Inorganics (mg/kg)												
Aluminum	~	~	8,210	NA	NA	NA	7,190	NA	8,630 J	NA	NA	
Arsenic	13	16	1.68 U	NA	NA	NA	1.84	NA	1.69 U	NA	NA	
Barium	350	350	55	NA	NA	NA	42.7	NA	57.1 J	NA	NA	
Calcium	~	~	2,940	NA	NA	NA	2,230	NA	2,700 J	NA	NA	
Chromium, Total	30	36	16.6	NA	NA	NA	15	NA	15.9 J	NA	NA	
Cobalt	~	~	8.8	NA	NA	NA	7.97	NA	9.06 J	NA	NA	
Iron	~	~	15,800	NA	NA	NA	16,200	NA	17,300 J	NA	NA	
Lead	63	400	6.77	NA	NA	NA	5.45	NA	7.99 J	NA	NA	
Magnesium	~	~	3,930	NA	NA	NA	2,980	NA	3,600 J	NA	NA	
Manganese	1,600	2,000	418	NA	NA	NA	212 J	NA	448 J	NA	NA	
Nickel	30	140	20.7	NA	NA	NA	17.8	NA	20.9 J	NA	NA	
Potassium	~	~	1,650 B	NA	NA	NA	1,630 B	NA	1,730 J	NA	NA	
Sodium	~	~	348	NA	NA	NA	155 J	NA	332 J	NA	NA	
Vanadium	~	~	21.7	NA	NA	NA	18.4	NA	21 J	NA	NA	
Zinc	109	2,200	37.7	NA	NA	NA	33.5	NA	36.5 J	NA	NA	
General Chemistry (mg/kg)												
COD-Chemical Oxygen Demand	~	~	3,500	NA	700	NA	1,200 J	NA	2,400 J	NA	1,800	
Solids, Percent (%)	~	~	89.1	88	92	92	87.8	88	89	89	89	
Total Organic Carbon	~	~	NA	362	NA	2,150	NA	367	NA	339	NA	

Table 1
In-Situ Chemical Oxidation Treatability Study Report
Soil Sample Analytical Results Summary
714 East 241st Street
Bronx, New York
NYSDEC BCP Site No.: C203077
Langan Project No.: 140115301

Location			SB-41	SB-42	SB-42	SB-42	SB-42	SB-43	SB-43	
Sample ID	NYSDEC Part 375	NYSDEC Part 375	SB-41_20-23	SB-42_12-15	SB-42_12-15	SB-42_17-20	SB-42_17-20	SB-43_8-18	SB-43_8-18	
Laboratory ID	Unrestricted Use	Restricted Use	CG41779	20G0969-05	CG41780	20G0969-06	CG41781	20G0969-07	CG41782	
Sample Date	SCOs	Residential SCOs	7/25/2020	7/25/2020	7/25/2020	7/25/2020	7/25/2020	7/25/2020	7/25/2020	
Sample Depth (feet bgs)			20-23	12-15	12-15	17-20	17-20	8-18	8-18	
Volatile Organic Compounds (mg/kg)										
1,2,4-Trimethylbenzene	3.6	47	NA	2,000	DE	NA	NA	0.0011	U	NA
1,3,5-Trimethylbenzene (Mesitylene)	8.4	47	NA	730	D	NA	NA	0.0011	U	NA
Acetone	0.05	100	NA	23	U	NA	NA	0.047	J	NA
Benzene	0.06	2.9	NA	150	D	NA	NA	0.0011	U	NA
Cyclohexane	~	~	NA	11	U	NA	NA	0.0011	UJ	NA
Ethylbenzene	1	30	NA	1,100	DE	NA	NA	0.0011	U	NA
Isopropylbenzene (Cumene)	~	~	NA	110	D	NA	NA	0.0011	U	NA
M,P-Xylene	~	~	NA	2,700	DE	NA	NA	0.0022	U	NA
Methylcyclohexane	~	~	NA	250	D	NA	NA	0.0011	U	NA
Methylene Chloride	0.05	51	NA	23	U	NA	NA	0.033	J	NA
n-Butylbenzene	12	100	NA	130	D	NA	NA	0.0011	U	NA
n-Propylbenzene	3.9	100	NA	330	D	NA	NA	0.0011	U	NA
o-Xylene (1,2-Dimethylbenzene)	~	~	NA	1,800	DE	NA	NA	0.0011	U	NA
p-Cymene (p-Isopropyltoluene)	~	~	NA	17	JD	NA	NA	0.0011	U	NA
Sec-Butylbenzene	11	100	NA	32	D	NA	NA	0.0011	U	NA
Toluene	0.7	100	NA	1,600	DE	NA	NA	0.0015	J	NA
Total Xylenes	0.26	100	NA	4,500	DE	NA	NA	0.0033	U	NA
Petroleum Hydrocarbons (mg/kg)										
Gasoline Range Organics	~	~	NA	14,100	BDE	NA	NA	74.7	BD	NA
Inorganics (mg/kg)										
Aluminum	~	~	NA	2,280		NA	NA	8,420		NA
Arsenic	13	16	NA	1.8	U	NA	NA	1.64	U	NA
Barium	350	350	NA	11.3		NA	NA	56.4		NA
Calcium	~	~	NA	1,310		NA	NA	15,600		NA
Chromium, Total	30	36	NA	5.78		NA	NA	20.3		NA
Cobalt	~	~	NA	3		NA	NA	8.56		NA
Iron	~	~	NA	5,000		NA	NA	15,100		NA
Lead	63	400	NA	7.46		NA	NA	3.76		NA
Magnesium	~	~	NA	1,190		NA	NA	7,680		NA
Manganese	1,600	2,000	NA	54.4		NA	NA	287		NA
Nickel	30	140	NA	5.95		NA	NA	19.7		NA
Potassium	~	~	NA	329	B	NA	NA	1,910	B	NA
Sodium	~	~	NA	168		NA	NA	182		NA
Vanadium	~	~	NA	8.39		NA	NA	27.1		NA
Zinc	109	2,200	NA	14.2		NA	NA	34		NA
General Chemistry (mg/kg)										
COD-Chemical Oxygen Demand	~	~	NA	2,300		NA	790	1,400		NA
Solids, Percent (%)	~	~	89	83.5		85	86.2	91.3		90
Total Organic Carbon	~	~	1,740	NA		1,990	NA	NA		2,150

Table 1
In-Situ Chemical Oxidation Treatability Study Report
Soil Sample Analytical Results Summary
714 East 241st Street
Bronx, New York
NYSDEC BCP Site No.: C203077
Langan Project No.: 140115301

Notes:

1. Soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use and Restricted Use Residential Soil Cleanup Objectives (SCO).
2. Criterion comparisons for total chromium are provided for reference. Promulgated SCOs shown are for trivalent chromium.
3. Only detected analytes are shown in the table.
4. Detected analytical results above Unrestricted Use SCOs are bolded.
5. Detected analytical results above Restricted Use Residential SCOs are shaded.
6. Analytical results with reporting limits (RL) above the lowest applicable criteria are italicized.
7. Sample DUP01_072520 is a duplicate sample of SB-41_11-20.
8. ~ = Regulatory limit for this analyte does not exist
9. bgs = below grade surface
10. mg/kg = milligrams per kilogram
11. % = percent
12. NA = Not analyzed

Qualifiers:

- D = The concentration reported is a result of a diluted sample.
- E = The result is estimated and cannot be accurately reported due to levels encountered or interferences.
- B = The analyte was found in the associated analysis batch blank.
- J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ = The analyte was not detected at a level greater than or equal to the RL; however, the reported RL is approximate and may be inaccurate or imprecise.
- U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.

Table 2
In-Situ Chemical Oxidation Treatability Study Report
Groundwater Sample Analytical Results Summary
714 East 241st Street
Bronx, New York
NYSDEC BCP Site No.: C203077
Langan Project No.: 140115301

Location	NYSDEC	MW07B	MW08B	MW16B	MW17B	MW-40	MW-41	MW-42	MW-43	MW-43
Sample ID	SGVs	MW-07B_080520	MW-08B_080520	MW-16B_080520	MW-17B_080520	MW-40_080420	MW-41_080420	MW-42_080420	MW-43_080520	MW-43
Laboratory ID		20H0106-01	20H0106-02	20H0106-03	20H0106-04	20H0086-01	20H0086-02	20H0086-03	20H0106-05	DUP01_080520
Sample Date		8/5/2020	8/5/2020	8/5/2020	8/5/2020	8/4/2020	8/4/2020	8/4/2020	8/5/2020	20H0106-06
Sample Date		8/5/2020	8/5/2020	8/5/2020	8/5/2020	8/4/2020	8/4/2020	8/4/2020	8/5/2020	8/5/2020
Volatile Organic Compounds (µg/L)										
1,2,4-Trimethylbenzene	5	0.2 U	1,600 D	0.2 U	3.2 U	2,100 D	970 D	2,700 D	0.2 U	0.2 U
1,3,5-Trimethylbenzene (Mesitylene)	5	0.2 U	390 D	0.2 U	0.75 U	550 D	330 D	700 D	0.2 U	0.2 U
Acetone	50	1 U	200 U	1 U	1 U	200 U	56 D	100 U	1 U	1 U
Benzene	1	0.2 U	9,500 D	0.31 J	42 U	5,900 D	420 D	8,000 D	0.37 J	0.32 J
Cis-1,2-Dichloroethene	5	0.58 U	40 U	0.2 U	0.2 U	20 U	1 U	20 U	0.2 U	0.2 U
Cyclohexane	~	0.2 U	40 U	0.2 U	0.2 U	320 D	180 D	460 D	0.2 U	0.2 U
Ethylbenzene	5	0.2 U	2,900 D	0.2 U	11 U	2,800 D	780 D	3,800 D	0.2 U	0.2 U
Isopropylbenzene (Cumene)	5	0.2 U	82 JD	0.2 U	0.2 U	120 D	44 D	150 D	0.2 U	0.2 U
M,P-Xylene	5	0.5 U	11,000 D	0.5 U	39 U	9,200 D	2,900 D	13,000 D	0.5 U	0.5 U
Methylcyclohexane	~	0.2 U	40 U	0.2 U	0.2 U	160 J	110 J	250 J	0.29 J	0.2 U
n-Butylbenzene	5	0.2 UJ	40 UJ	0.2 UJ	0.2 UJ	20 UJ	6.2 J	20 UJ	0.2 UJ	0.2 UJ
n-Propylbenzene	5	0.2 U	230 D	0.2 U	0.6 U	250 D	120 D	320 D	0.2 U	0.2 U
o-Xylene (1,2-Dimethylbenzene)	5	0.2 U	5,300 D	0.2 U	20 U	4,300 D	1,600 D	6,400 D	0.2 U	0.2 U
p-Cymene (p-Isopropyltoluene)	~	0.2 U	40 U	0.2 U	0.2 U	20 U	3.4 D	20 U	0.2 U	0.2 U
Sec-Butylbenzene	5	0.2 U	40 U	0.2 U	0.2 U	20 U	5.8 D	20 U	0.2 U	0.2 U
Tert-Butyl Methyl Ether	10	0.2 U	4,200 D	0.2 U	1.3 U	4,800 D	1,000 D	1,800 D	0.2 U	0.2 U
Tetrachloroethene (PCE)	5	4.1 U	40 U	5.3 U	0.2 U	20 U	1 U	20 U	3.8 U	4.1 U
Toluene	5	0.2 U	23,000 DE	0.2 U	110 D	17,000 D	1,300 J	21,000 D	0.2 U	0.2 U
Total Xylenes	5	0.6 U	16,000 D	0.6 U	59 U	13,000 D	4,500 D	20,000 D	0.6 U	0.6 U
Trans-1,3-Dichloropropene	0.4	0.2 U	940 D	0.2 U	0.2 U	20 U	1 U	20 U	0.2 U	0.2 U
Petroleum Hydrocarbons (µg/L)										
Gasoline Range Organics	~	NA	74,000 D	NA	NA	18,600 J	2,430 J	19,800 J	NA	NA
Inorganics (µg/L)										
Iron	300	NA	10,100 D	NA	NA	18,300 D	2,740 D	11.1 U	NA	NA
Iron (Dissolved)	300	NA	41.5 D	NA	NA	18.8 D	280 D	27.8 U	NA	NA
Manganese	300	NA	3,290 D	NA	NA	2,320 D	180 D	1.11 U	NA	NA
Manganese (Dissolved)	300	NA	2,980 D	NA	NA	1,750 E	164 E	1,360 E	NA	NA
General Chemistry (µg/L)										
Alkalinity, Total (as CaCO3)	~	NA	720,000 D	NA	NA	690,000 D	490,000 D	400,000 D	NA	NA
COD-Chemical Oxygen Demand	~	NA	230,000 D	NA	NA	230,000 D	440,000 D	140,000 D	NA	NA
Total Organic Carbon	~	NA	41,600 D	NA	NA	26,600 D	151,000 D	15,900 D	NA	NA

Notes:

- Groundwater sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules and Regulations (NYCRR) Part 703.5 and the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values for Class GA Water (herein collectively referenced as "NYSDEC SGVs").
- Criterion comparisons for total xylenes and m,p-xylene are provided for reference. Promulgated NYSDEC SGVs are for o-xylene, m-xylene, and p-xylene.
- Only detected analytes are shown in the table.
- Detected analytical results above NYSDEC SGVs are bolded and shaded.
- Analytical results with reporting limits (RL) above NYSDEC SGVs are italicized.
- Sample DUP01_080520 is a duplicate sample of MW-43_080520.
- ~ = Regulatory limit for this analyte does not exist
- µg/l = micrograms per liter

Qualifiers:

- D = The concentration reported is a result of a diluted sample.
- E = Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ = The analyte was not detected at a level greater than or equal to the RL; however, the reported RL is approximate and may be inaccurate or imprecise.
- U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.

Table 3
In-Situ Chemical Oxidation Treatability Study Report
Baseline Soil Analytical Results
714 East 241st Street
Bronx, New York
NYSDEC BCP Site No.: C203077
Langan Project No.: 140115301

Sample ID		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	MW42_E		MW42_BE		MW.40 + MW.41_E		MW.40 + MW.41_BE	
Sampling Date			7/30/2020	7/30/2020	7/30/2020	7/30/2020	7/30/2020	7/30/2020	7/30/2020	7/30/2020
Compound	CAS Number		Result	Q	Result	Q	Result	Q	Result	Q
Volatile Organics, NJDEP/TCL/Part 375 List		mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor			1000		500		200		100	
1,1,1,2-Tetrachloroethane	630-20-6	~	1.100	U	1.100	U	0.400	U	0.210	U
1,1,1-Trichloroethane	71-55-6	0.680	1.100	U	1.100	U	0.400	U	0.210	U
1,1,2,2-Tetrachloroethane	79-34-5	~	1.100	U	1.100	U	0.400	U	0.210	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	~	1.100	U	1.100	U	0.400	U	0.210	U
1,1,2-Trichloroethane	79-00-5	~	1.100	U	1.100	U	0.400	U	0.210	U
1,1-Dichloroethane	75-34-3	0.270	1.100	U	1.100	U	0.400	U	0.210	U
1,1-Dichloroethylene	75-35-4	0.330	1.100	U	1.100	U	0.400	U	0.210	U
1,2,3-Trichlorobenzene	87-61-6	~	1.100	U	1.100	U	0.400	U	0.210	U
1,2,3-Trichloropropane	96-18-4	~	1.100	U	1.100	U	0.400	U	0.210	U
1,2,4-Trichlorobenzene	120-82-1	~	1.100	U	1.100	U	0.400	U	0.210	U
1,2,4-Trimethylbenzene	95-63-6	3.600	110	D	40	D	15	D	6.200	D
1,2-Dibromo-3-chloropropane	96-12-8	~	1.100	U	1.100	U	0.400	U	0.210	U
1,2-Dibromoethane	106-93-4	~	1.100	U	1.100	U	0.400	U	0.210	U
1,2-Dichlorobenzene	95-50-1	1.100	1.100	U	1.100	U	0.400	U	0.210	U
1,2-Dichloroethane	107-06-2	0.0200	1.100	U	1.100	U	0.400	U	0.210	U
1,2-Dichloropropane	78-87-5	~	1.100	U	1.100	U	0.400	U	0.210	U
1,3,5-Trimethylbenzene	108-67-8	8.400	23	D	11	D	4.800	D	1.900	D
1,3-Dichlorobenzene	541-73-1	2.400	1.100	U	1.100	U	0.400	U	0.210	U
1,4-Dichlorobenzene	106-46-7	1.800	1.100	U	1.100	U	0.400	U	0.210	U
1,4-Dioxane	123-91-1	0.100	22	U	22	U	8	U	4.300	U
2-Butanone	78-93-3	0.120	1.100	U	1.100	U	0.400	U	0.210	U
2-Hexanone	591-78-6	~	1.100	U	1.100	U	0.400	U	0.210	U
4-Methyl-2-pentanone	108-10-1	~	1.100	U	1.100	U	0.400	U	0.210	U
Acetone	67-64-1	0.0500	2.200	U	2.200	U	0.800	U	0.430	U
Acrolein	107-02-8	~	2.200	U	2.200	U	0.800	U	0.430	U
Acrylonitrile	107-13-1	~	1.100	U	1.100	U	0.400	U	0.210	U
Benzene	71-43-2	0.0600	1.100	U	1.100	U	0.400	U	0.210	U
Bromochloromethane	74-97-5	~	1.100	U	1.100	U	0.400	U	0.210	U
Bromodichloromethane	75-27-4	~	1.100	U	1.100	U	0.400	U	0.210	U
Bromoform	75-25-2	~	1.100	U	1.100	U	0.400	U	0.210	U
Bromomethane	74-83-9	~	1.100	U	1.100	U	0.400	U	0.210	U
Carbon disulfide	75-15-0	~	1.100	U	1.100	U	0.400	U	0.210	U
Carbon tetrachloride	56-23-5	0.760	1.100	U	1.100	U	0.400	U	0.210	U
Chlorobenzene	108-90-7	1.100	1.100	U	1.100	U	0.400	U	0.210	U
Chloroethane	75-00-3	~	1.100	U	1.100	U	0.400	U	0.210	U
Chloroform	67-66-3	0.370	1.100	U	1.100	U	0.400	U	0.210	U
Chloromethane	74-87-3	~	1.300	JBD	1.300	JBD	0.400	U	0.210	U
cis-1,2-Dichloroethylene	156-59-2	0.250	1.100	U	1.100	U	0.400	U	0.210	U
cis-1,3-Dichloropropylene	10061-01-5	~	1.100	U	1.100	U	0.400	U	0.210	U

Table 3
In-Situ Chemical Oxidation Treatability Study Report
Baseline Soil Analytical Results
714 East 241st Street
Bronx, New York
NYSDEC BCP Site No.: C203077
Langan Project No.: 140115301

Sample ID		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	MW42_E		MW42_BE		MW.40 + MW.41_E		MW.40 + MW.41_BE	
Sampling Date	CAS Number		7/30/2020	Q	7/30/2020	Q	7/30/2020	Q	7/30/2020	Q
Compound	CAS Number		Result	Q	Result	Q	Result	Q	Result	Q
Cyclohexane	110-82-7	~	1.100	U	1.100	U	0.400	U	0.210	U
Dibromochloromethane	124-48-1	~	1.100	U	1.100	U	0.400	U	0.210	U
Dibromomethane	74-95-3	~	1.100	U	1.100	U	0.400	U	0.210	U
Dichlorodifluoromethane	75-71-8	~	1.100	U	1.100	U	0.400	U	0.210	U
Ethyl Benzene	100-41-4	1	7.100	D	1.300	JD	3.200	D	1.300	D
Hexachlorobutadiene	87-68-3	~	1.100	U	1.100	U	0.400	U	0.210	U
Isopropylbenzene	98-82-8	~	1.500	JD	1.100	U	0.600	JD	0.260	JD
Methyl acetate	79-20-9	~	1.100	U	1.100	U	0.400	U	0.210	U
Methyl tert-butyl ether (MTBE)	1634-04-4	0.930	1.100	U	1.100	U	0.400	U	0.300	JD
Methylcyclohexane	108-87-2	~	13	D	6.500	D	4.200	D	1.800	D
Methylene chloride	75-09-2	0.0500	2.200	U	2.200	U	0.800	U	0.430	U
n-Butylbenzene	104-51-8	12	1.100	U	1.100	U	1.100	D	0.500	D
n-Propylbenzene	103-65-1	3.900	2	JD	1.100	U	2.300	D	0.810	D
o-Xylene	95-47-6	~	41	D	27	D	3.400	D	2	D
p- & m- Xylenes	179601-23-1	~	100	D	59	D	12	D	5.300	D
p-Isopropyltoluene	99-87-6	~	1.100	U	1.100	U	0.400	U	0.210	U
sec-Butylbenzene	135-98-8	11	1.200	JD	1.100	U	0.400	U	0.210	U
Styrene	100-42-5	~	1.100	U	1.100	U	0.400	U	0.210	U
tert-Butyl alcohol (TBA)	75-65-0	~	1.100	U	1.100	U	0.400	U	0.210	U
tert-Butylbenzene	98-06-6	5.900	1.100	U	1.100	U	0.400	U	0.210	U
Tetrachloroethylene	127-18-4	1.300	1.100	U	1.100	U	0.400	U	0.210	U
Toluene	108-88-3	0.700	27	D	17	D	0.790	JD	1.500	D
trans-1,2-Dichloroethylene	156-60-5	0.190	1.100	U	1.100	U	0.400	U	0.210	U
trans-1,3-Dichloropropylene	10061-02-6	~	1.100	U	1.100	U	0.400	U	0.210	U
Trichloroethylene	79-01-6	0.470	1.100	U	1.100	U	0.400	U	0.210	U
Trichlorofluoromethane	75-69-4	~	1.100	U	1.100	U	0.400	U	0.210	U
Vinyl Chloride	75-01-4	0.0200	1.100	U	1.100	U	0.400	U	0.210	U
Xylenes, Total	1330-20-7	0.260	140	D	86	D	15	D	7.300	D
Total Solids			%		%		%		%	
Dilution Factor			1		1		1		1	
% Solids	solids	~	85.900		88.700		87		89.400	

NOTES:

Any Regulatory Exceedences are shaded and bolded.

Q is the Qualifier Column with definitions as follows:

D=result is from an analysis that required a dilution

J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated

U=analyte not detected at or above the level indicated

B=analyte found in the analysis batch blank

E=result is estimated and cannot be accurately reported due to levels encountered or interferences

P=this flag is used for pesticide and PCB (Aroclor) target compounds when there is a % difference for detected concentrations that exceed method dictated limits between the two GC columns used for analysis

NT=this indicates the analyte was not a target for this sample

~=this indicates that no regulatory limit has been established for this analyte

Table 4
In-Situ Chemical Oxidation Treatability Study Report
ISCO Test Setup
714 East 241st Street
Bronx, New York
NYSDEC BCP Site No.: C203077
Langan Project No.: 140115301

Jar	Test Type	Jar ID	Size of Bottle	Soil Mass	GW	Reagents				
			Oz	g	g	Klozur CR (g)	Sodium Persulfate (g)	25% NaOH (mL)		
Combined SOD and Effectiveness Test										
SOD GW Control										
1	SOD Control	GW_CR Control_SOD	16 Oz		453	2.8				
2		GW_SP Control_SOD			451			2.3	4.1	
Composite Soil Sample from MW-40 and MW-41 within the Excavation Zone										
3	Effectiveness Control	MW-40+41_E_Control_Effect	16 Oz.	301	318					
4				300	319					
5	CR Treatments	MW-40+41_E_CR_L		301	300	7.2				
6				299	299					
7				MW-40+41_E_CR_M	300	300	14.4			
8					301	299				
9					MW-40+41_E_CR_H	300	282	28.8		
10						300	275			
11	SP Treatments	MW-40+41_E_SP_L		300	303		6.0	6.0		
12				301	302					
13				MW-40+41_E_SP_H	301	301		24.0	18.1	
14					300	280				
Composite Soil Sample from MW-42 within the Excavation Zone										
15	Effectiveness Control	MW-42_E_Control_Effect	16 Oz	300	308					
16				301	303					
17	CR Treatments	MW-42_E_CR_L		300	247	7.2				
18				299	293					
19				MW-42_E_CR_M	300	267	14.4			
20					300	268				
21					MW-42_E_CR_H	300	254	28.8		
22						299	255			
23	SP Treatments	MW-42_E_SP_L		301	304		6.0	6.0		
24				300	304					
25				MW-42_E_SP_H	299	287		24.0	18.1	
26					301	284				
SOD Only Test										
SOD GW Control										
27	SOD Control	GW_CR_Control	4 Oz		116	0.7				
28		GW_SP_Control			112			0.6	1.1	
Composite Soil Sample from MW-40 and MW-41 below the Excavation Zone										
29	CR Treatments	MW-40+41_BE_CR_L	4 Oz	77	80	0.9				
30		MW-40+41_BE_CR_H		77	82	3.7				
31	SP Treatments	MW-40+41_BE_SP_L		78	80		0.8	1.4		
32		MW-40+41_BE_SP_H		78	80		3.1	3.0		
Composite Soil Sample from MW-42 below the Excavation Zone										
33	CR Treatments	MW-42_BE_CR_L	4 Oz	77	83	0.9				
34		MW-42_BE_CR_H		77	80	3.7				
35	SP Treatments	MW-42_BE_SP_L		77	85		0.8	1.4		
36		MW-42_BE_SP_H		77	84		3.1	3.0		

Notes:

g - grams oz - ounce L - low dose
mL - milliliter SP - sodium persulfate M - medium dose
SOD - soil oxidant demand CR - Klozur CR H - high dose

Not Applicable

1. Groundwater from MW-42 was used for the entire test setup, and soil from MW-40, MW-41, and MW-42 was used as indicated.
2. Soil from MW-42 is from Treatment Area 1. Soil from MW-40 and MW-41 is from Treatment Area 2.

Table 5
In-Situ Chemical Oxidation Treatability Study Report
ISCO pH, ORP and SOD Summary
714 East 241st Street
Bronx, New York
NYSDEC BCP Site No.: C203077
Langan Project No. 140115301

Jar Number	Jar ID	Week 1		Week 2				
		pH	pH	ORP	Klozur® CR Oxidant Demand		Sodium Persulfate Oxidant Demand	
<i>Unit</i>		<i>S.U.</i>	<i>S.U.</i>	<i>mV</i>	<i>g/L</i>	<i>g/kg wet soil</i>	<i>g/L</i>	<i>g/kg wet soil</i>
Combined SOD and Effectiveness Test								
SOD GW Control								
1	GW_CR Control_SOD	-	12.02	228	2.80			
2	GW_SP Control_SOD	14	12.52	162			0.62	
Homogenized Soil from MW-40 and MW-41 within the Excavation Zone								
3	MW-40+41_E_Control_Effect	7	7.62	332				
4		7	7.48	252				
5	MW-40+41_E_CR_L	-	10.91	257		15.93		
6		-	10.79	260		15.44		
7	MW-40+41_E_CR_M	-	10.58	223		39.37		
8		-	11.30	146		40.81		
9	MW-40+41_E_CR_H	-	11.99	148		90.29		
10		-	12.06	177		89.94		
11	MW-40+41_E_SP_L	12	10.68	278				10.90
12		13	10.58	286				9.93
13	MW-40+41_E_SP_H	14	12.63	264				27.17
14		14	12.63	323				31.64
Homogenized Soil from MW-42 within the Excavation Zone								
15	MW-42_E_Control_Effect	7	7.81	154				
16		7	7.57	149				
17	MW-42_E_CR_L	-	10.85	335		16.64		
18		-	11.94	310		16.83		
19	MW-42_E_CR_M	-	11.40	278		35.99		
20		-	11.39	305		37.29		
21	MW-42_E_CR_H	-	11.97	287		83.28		
22		-	12.04	249		82.21		
23	MW-42_E_SP_L	13-14	10.90	250				10.41
24		12	10.71	290				9.79
25	MW-42_E_SP_H	14	12.62	243				40.56
26		14	12.72	365				42.00
SOD Only Test								
SOD GW Control								
27	GW_CR_Control	-	11.97	268	3.89			
28	GW_SP_Control	14	12.47	128			0.27	
Homogenized Soil Sample from MW-40 and MW-41 below the Excavation Zone								
29	MW-40+41_BE_CR_L	-	10.87	320		6.72		
30	MW-40+41_BE_CR_H	-	11.97	94		42.78		
31	MW-40+41_BE_SP_L	14	12.16	161				5.15
32	MW-40+41_BE_SP_H	14	12.65	194				12.30
Homogenized Soil Sample from MW-42 below the Excavation Zone								
33	MW-42_BE_CR_L	-	11.09	275		6.37		
34	MW-42_BE_CR_H	-	12.30	82		43.14		
35	MW-42_BE_SP_L	14	12.44	170				3.31
36	MW-42_BE_SP_H	14	12.73	205				9.85

Notes:

- Not Applicable
 - L - liter
 - S.U. - standard units
 - S.U. - standard units
 - g - gram
 - mV - millivolts
 - SOD - Soil oxidant demand
 - SOD - Soil oxidant demand
 - kg - kilogram
 - ORP - oxidation reduction potential
1. pH, ORP, and residual persulfate analyses were performed at Langan's Treatability Facility.
 2. The SOD results shown are in terms of sodium persulfate or Klozur CR.
 3. Week 1 pH was measured with pH paper strips. Week two pH and ORP were measured with Myron Ultrameter II™.

Table 6
In-Situ Chemical Oxidation Treatability Study Report
Effectiveness Test Soil Analytical Results

714 East 241st Street
Bronx, New York
Langan Project No.: 140115301

Sample ID Treatment Jar ID Sampling Date Client Matrix	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential	3_S MW-40+41_E_Control_Effect 9/3/2020 3:05:00 PM Soil		4_S MW-40+41_E_Control_Effect 9/3/2020 3:35:00 PM Soil		3+4_S MW-40+41_E_Control_Effect 9/3/2020 3:05:00 PM Soil		5_S MW-40+41_E_CR_L 9/4/2020 12:05:00 PM Soil	
			Result	Q	Result	Q	Result	Q	Result	Q
VOCs (mg/kg)										
1,1-Dichloroethane	0.270	26	0.260	U	0.220	U	NT		0.260	U
1,1-Dichloroethylene	0.330	100	0.260	U	0.220	U	NT		0.260	U
1,2,4-Trimethylbenzene	3.600	52	3.800	D	3.500	D	NT		4.200	D
1,2-Dichloroethane	0.0200	3.100	0.260	U	0.220	U	NT		0.260	U
1,3,5-Trimethylbenzene	8.400	52	1.300	D	1.200	D	NT		1.300	D
1,4-Dioxane	0.100	13	5.200	U	4.500	U	NT		5.200	U
2-Butanone	0.120	100	0.260	U	0.220	U	NT		0.260	U
Acetone	0.0500	100	0.520	U	0.450	U	NT		0.520	U
Benzene	0.0600	4.800	0.880	D	0.630	D	NT		0.260	U
Carbon disulfide	~	~	0.260	U	0.220	U	NT		0.260	U
cis-1,2-Dichloroethylene	0.250	100	0.260	U	0.220	U	NT		0.260	U
Cyclohexane	~	~	0.260	U	0.220	U	NT		0.260	U
Ethyl Benzene	1	41	0.630	D	0.550	D	NT		0.350	JD
Isopropylbenzene	~	~	0.260	U	0.220	U	NT		0.260	U
Methyl tert-butyl ether (MTBE)	0.930	100	0.380	JD	0.300	JD	NT		0.280	JD
Methylcyclohexane	~	~	1.100	D	1.100	D	NT		1.400	D
Methylene chloride	0.0500	100	0.520	U	0.450	U	NT		0.520	U
n-Butylbenzene	12	100	0.490	JD	0.490	D	NT		0.540	D
n-Propylbenzene	3.900	100	0.580	D	0.570	D	NT		0.640	D
o-Xylene	~	~	0.860	D	0.700	D	NT		0.380	JD
p- & m- Xylenes	~	~	2.500	D	2.200	D	NT		1.500	D
p-Isopropyltoluene	~	~	0.260	U	0.220	U	NT		0.260	U
sec-Butylbenzene	11	100	0.260	U	0.220	U	NT		0.260	U
Toluene	0.700	100	2.200	D	1.700	D	NT		0.260	U
trans-1,2-Dichloroethylene	0.190	100	0.260	U	0.220	U	NT		0.260	U
Vinyl Chloride	0.0200	0.900	0.260	U	0.220	U	NT		0.260	U
Xylenes, Total	0.260	100	3.400	D	2.900	D	NT		1.800	D
TOC (mg/kg)										
Total Organic Carbon	~	~	NT		NT		762		NT	
Total Solids (%)										
% Solids	~	~	84.500		83.600		NT		78.300	

Table 6
In-Situ Chemical Oxidation Treatability Study Report
Effectiveness Test Soil Analytical Results

714 East 241st Street
Bronx, New York
Langan Project No.: 140115301

Sample ID Treatment Jar ID Sampling Date Client Matrix Compound	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential	6_S MW-40+41_E_CR_L 9/4/2020 12:35:00 PM Soil		5+6_S MW-40+41_E_CR_L 9/4/2020 12:05:00 PM Soil		7_S MW-40+41_E_CR_M 9/4/2020 2:05:00 PM Soil		8_S MW-40+41_E_CR_M 9/4/2020 2:35:00 PM Soil	
			Result	Q	Result	Q	Result	Q	Result	Q
VOCs (mg/kg)										
1,1-Dichloroethane	0.270	26	0.180	U	NT		0.00270	U	0.230	U
1,1-Dichloroethylene	0.330	100	0.180	U	NT		0.00270	U	0.230	U
1,2,4-Trimethylbenzene	3.600	52	1.900	D	NT		3.800	D	3.700	D
1,2-Dichloroethane	0.0200	3.100	0.180	U	NT		0.00270	U	0.230	U
1,3,5-Trimethylbenzene	8.400	52	0.580	D	NT		1.100	D	1.100	D
1,4-Dioxane	0.100	13	3.500	U	NT		0.0540	U	4.600	U
2-Butanone	0.120	100	0.180	U	NT		0.100		0.230	U
Acetone	0.0500	100	0.350	JD	NT		0.280	E	0.900	JD
Benzene	0.0600	4.800	0.180	U	NT		0.00270	U	0.230	U
Carbon disulfide	~	~	0.180	U	NT		0.00590		0.230	U
cis-1,2-Dichloroethylene	0.250	100	0.180	U	NT		0.00270	U	0.230	U
Cyclohexane	~	~	0.180	U	NT		0.00270	U	0.230	U
Ethyl Benzene	1	41	0.180	U	NT		0.130		0.230	U
Isopropylbenzene	~	~	0.180	U	NT		0.0540		0.230	U
Methyl tert-butyl ether (MTBE)	0.930	100	0.240	JD	NT		0.210		0.400	JD
Methylcyclohexane	~	~	0.700	D	NT		1.400	D	1.200	D
Methylene chloride	0.0500	100	0.350	U	NT		0.00540	U	0.460	U
n-Butylbenzene	12	100	0.280	JD	NT		0.0810		0.590	D
n-Propylbenzene	3.900	100	0.310	JD	NT		0.140		0.600	D
o-Xylene	~	~	0.180	U	NT		0.150		0.230	U
p- & m- Xylenes	~	~	0.610	JD	NT		0.270		0.880	JD
p-Isopropyltoluene	~	~	0.180	U	NT		0.0120		0.230	U
sec-Butylbenzene	11	100	0.180	U	NT		0.0290		0.230	U
Toluene	0.700	100	0.180	U	NT		0.0280		0.230	U
trans-1,2-Dichloroethylene	0.190	100	0.180	U	NT		0.00270	U	0.230	U
Vinyl Chloride	0.0200	0.900	0.180	U	NT		0.00270	U	0.230	U
Xylenes, Total	0.260	100	0.610	JD	NT		0.420		0.880	JD
TOC (mg/kg)										
Total Organic Carbon	~	~	NT		1300		NT		NT	
Total Solids (%)										
% Solids	~	~	83.600		NT		76.200		73.500	

Table 6
In-Situ Chemical Oxidation Treatability Study Report
Effectiveness Test Soil Analytical Results

714 East 241st Street
Bronx, New York
Langan Project No.: 140115301

Sample ID Treatment Jar ID Sampling Date Client Matrix Compound	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential	7+8_S MW-40+41_E_CR_M 9/4/2020 2:05:00 PM Soil		9_S MW-40+41_E_CR_H 9/4/2020 2:50:00 PM Soil		10_S MW-40+41_E_CR_H 9/4/2020 3:20:00 PM Soil		9+10_S MW-40+41_E_CR_H 9/4/2020 2:50:00 PM Soil	
			Result	Q	Result	Q	Result	Q	Result	Q
VOCs (mg/kg)										
1,1-Dichloroethane	0.270	26	NT		0.230	U	0.210	U	NT	
1,1-Dichloroethylene	0.330	100	NT		0.230	U	0.210	U	NT	
1,2,4-Trimethylbenzene	3.600	52	NT		3.300	D	1.300	D	NT	
1,2-Dichloroethane	0.0200	3.100	NT		0.230	U	0.210	U	NT	
1,3,5-Trimethylbenzene	8.400	52	NT		1	D	0.410	JD	NT	
1,4-Dioxane	0.100	13	NT		4.600	U	4.200	U	NT	
2-Butanone	0.120	100	NT		0.230	U	0.310	JD	NT	
Acetone	0.0500	100	NT		1.200	D	0.920	D	NT	
Benzene	0.0600	4.800	NT		0.230	U	0.210	U	NT	
Carbon disulfide	~	~	NT		0.230	U	0.210	U	NT	
cis-1,2-Dichloroethylene	0.250	100	NT		0.230	U	0.210	U	NT	
Cyclohexane	~	~	NT		0.230	U	0.210	U	NT	
Ethyl Benzene	1	41	NT		0.230	U	0.210	U	NT	
Isopropylbenzene	~	~	NT		0.230	U	0.210	U	NT	
Methyl tert-butyl ether (MTBE)	0.930	100	NT		0.230	U	0.210	U	NT	
Methylcyclohexane	~	~	NT		0.970	D	0.450	D	NT	
Methylene chloride	0.0500	100	NT		0.460	U	0.420	U	NT	
n-Butylbenzene	12	100	NT		0.550	D	0.250	JD	NT	
n-Propylbenzene	3.900	100	NT		0.540	D	0.230	JD	NT	
o-Xylene	~	~	NT		0.230	U	0.210	U	NT	
p- & m- Xylenes	~	~	NT		0.720	JD	0.420	U	NT	
p-Isopropyltoluene	~	~	NT		0.230	U	0.210	U	NT	
sec-Butylbenzene	11	100	NT		0.230	U	0.210	U	NT	
Toluene	0.700	100	NT		0.230	U	0.210	U	NT	
trans-1,2-Dichloroethylene	0.190	100	NT		0.230	U	0.210	U	NT	
Vinyl Chloride	0.0200	0.900	NT		0.230	U	0.210	U	NT	
Xylenes, Total	0.260	100	NT		0.720	JD	0.630	U	NT	
TOC (mg/kg)										
Total Organic Carbon	~	~	1170		NT		NT		1340	
Total Solids (%)										
% Solids	~	~	NT		71.200		73.400		NT	

Table 6
In-Situ Chemical Oxidation Treatability Study Report
Effectiveness Test Soil Analytical Results

714 East 241st Street
Bronx, New York
Langan Project No.: 140115301

Sample ID Treatment Jar ID Sampling Date Client Matrix Compound	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential	11_S MW-40+41_E_SP_L 9/3/2020 1:25:00 PM Soil		12_S MW-40+41_E_SP_L 9/3/2020 1:55:00 PM Soil		11+12_S MW-40+41_E_SP_L 9/3/2020 1:25:00 PM Soil		13_S MW-40+41_E_SP_H 9/3/2020 2:20:00 PM Soil	
			Result	Q	Result	Q	Result	Q	Result	Q
VOCs (mg/kg)										
1,1-Dichloroethane	0.270	26	0.210	U	0.210	U	NT		0.240	U
1,1-Dichloroethylene	0.330	100	0.210	U	0.210	U	NT		0.240	U
1,2,4-Trimethylbenzene	3.600	52	1.900	D	1.800	D	NT		1.500	D
1,2-Dichloroethane	0.0200	3.100	0.210	U	0.210	U	NT		0.240	U
1,3,5-Trimethylbenzene	8.400	52	0.640	D	0.600	D	NT		0.580	D
1,4-Dioxane	0.100	13	4.200	U	4.200	U	NT		4.800	U
2-Butanone	0.120	100	0.210	U	0.210	U	NT		0.240	U
Acetone	0.0500	100	0.420	U	0.420	U	NT		0.480	U
Benzene	0.0600	4.800	0.210	U	0.210	U	NT		0.240	U
Carbon disulfide	~	~	0.210	U	0.210	U	NT		0.240	U
cis-1,2-Dichloroethylene	0.250	100	0.210	U	0.210	U	NT		0.240	U
Cyclohexane	~	~	0.210	U	0.210	U	NT		0.240	U
Ethyl Benzene	1	41	0.210	U	0.210	U	NT		0.240	U
Isopropylbenzene	~	~	0.210	U	0.210	U	NT		0.240	U
Methyl tert-butyl ether (MTBE)	0.930	100	0.210	U	0.210	U	NT		0.240	U
Methylcyclohexane	~	~	1.100	D	0.880	D	NT		0.960	D
Methylene chloride	0.0500	100	0.420	U	0.420	U	NT		0.480	U
n-Butylbenzene	12	100	0.440	D	0.370	JD	NT		0.440	JD
n-Propylbenzene	3.900	100	0.360	JD	0.330	JD	NT		0.350	JD
o-Xylene	~	~	0.210	U	0.210	U	NT		0.240	U
p- & m- Xylenes	~	~	0.490	JD	0.520	JD	NT		0.480	U
p-Isopropyltoluene	~	~	0.210	U	0.210	U	NT		0.240	U
sec-Butylbenzene	11	100	0.210	U	0.210	U	NT		0.240	U
Toluene	0.700	100	0.210	U	0.210	U	NT		0.240	U
trans-1,2-Dichloroethylene	0.190	100	0.210	U	0.210	U	NT		0.240	U
Vinyl Chloride	0.0200	0.900	0.210	U	0.210	U	NT		0.240	U
Xylenes, Total	0.260	100	0.620	U	0.640	U	NT		0.720	U
TOC (mg/kg)										
Total Organic Carbon	~	~	NT		NT		813		NT	
Total Solids (%)										
% Solids	~	~	84.500		85.200		NT		88.900	

Table 6
In-Situ Chemical Oxidation Treatability Study Report
Effectiveness Test Soil Analytical Results

714 East 241st Street
Bronx, New York
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Sample ID Treatment Jar ID Sampling Date Client Matrix Compound	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential	14_S MW-40+41_E_SP_H 9/3/2020 2:40:00 PM Soil		13+14_S MW-40+41_E_SP_H 9/3/2020 2:20:00 PM Soil		15_S MW-42_E_Control_Effect 9/4/2020 10:35:00 AM Soil		16_S MW-42_E_Control_Effect 9/4/2020 10:55:00 AM Soil	
			Result	Q	Result	Q	Result	Q	Result	Q
VOCs (mg/kg)										
1,1-Dichloroethane	0.270	26	0.200	U	NT		0.00250	U	0.190	U
1,1-Dichloroethylene	0.330	100	0.200	U	NT		0.00250	U	0.190	U
1,2,4-Trimethylbenzene	3.600	52	1.100	D	NT		0.0360		20	D
1,2-Dichloroethane	0.0200	3.100	0.200	U	NT		0.00250	U	0.190	U
1,3,5-Trimethylbenzene	8.400	52	0.430	D	NT		3.600	D	5.400	D
1,4-Dioxane	0.100	13	4.100	U	NT		0.0510	U	3.800	U
2-Butanone	0.120	100	0.200	U	NT		0.00250	U	0.190	U
Acetone	0.0500	100	0.410	U	NT		0.0320		0.380	U
Benzene	0.0600	4.800	0.200	U	NT		0.100		0.840	D
Carbon disulfide	~	~	0.200	U	NT		0.00250	U	0.190	U
cis-1,2-Dichloroethylene	0.250	100	0.200	U	NT		0.00250	U	0.190	U
Cyclohexane	~	~	0.200	U	NT		0.00250	U	0.190	U
Ethyl Benzene	1	41	0.200	U	NT		0.00250	U	1.900	D
Isopropylbenzene	~	~	0.200	U	NT		0.0190		0.690	D
Methyl tert-butyl ether (MTBE)	0.930	100	0.200	U	NT		0.470	E	0.440	D
Methylcyclohexane	~	~	0.740	D	NT		1.600	D	2	D
Methylene chloride	0.0500	100	0.410	U	NT		0.00510	U	0.380	U
n-Butylbenzene	12	100	0.330	JD	NT		0.100		1.700	D
n-Propylbenzene	3.900	100	0.260	JD	NT		0.00250	U	1.700	D
o-Xylene	~	~	0.200	U	NT		3.300	D	5.100	D
p- & m- Xylenes	~	~	0.410	U	NT		8.800	D	13	D
p-Isopropyltoluene	~	~	0.200	U	NT		0.0400		0.220	JD
sec-Butylbenzene	11	100	0.200	U	NT		0.0510		0.190	U
Toluene	0.700	100	0.200	U	NT		0.0370		3.700	D
trans-1,2-Dichloroethylene	0.190	100	0.200	U	NT		0.00250	U	0.190	U
Vinyl Chloride	0.0200	0.900	0.200	U	NT		0.00250	U	0.190	U
Xylenes, Total	0.260	100	0.610	U	NT		12	D	18	D
TOC (mg/kg)										
Total Organic Carbon	~	~	NT		1270		NT		NT	
Total Solids (%)										
% Solids	~	~	84.200		NT		82.800		84.100	

Table 6
In-Situ Chemical Oxidation Treatability Study Report
Effectiveness Test Soil Analytical Results

714 East 241st Street
Bronx, New York
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Sample ID Treatment Jar ID Sampling Date Client Matrix Compound	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential	15+16_S MW-42_Effectiveness Control 9/4/2020 10:35:00 AM Soil		17_S MW-42_E_CR_L 9/4/2020 3:35:00 PM Soil		18_S MW-42_E_CR_L 9/4/2020 3:50:00 PM Soil		17+18_S MW-42_E_CR_L 9/4/2020 3:35:00 PM Soil	
			Result	Q	Result	Q	Result	Q	Result	Q
VOCs (mg/kg)										
1,1-Dichloroethane	0.270	26	NT		0.200	U	0.00210	U	NT	
1,1-Dichloroethylene	0.330	100	NT		0.200	U	0.00210	U	NT	
1,2,4-Trimethylbenzene	3.600	52	NT		22	D	16	D	NT	
1,2-Dichloroethane	0.0200	3.100	NT		0.200	U	0.00210	U	NT	
1,3,5-Trimethylbenzene	8.400	52	NT		5.200	D	4.900	D	NT	
1,4-Dioxane	0.100	13	NT		4	U	0.0430	U	NT	
2-Butanone	0.120	100	NT		0.200	U	NT		NT	
Acetone	0.0500	100	NT		0.530	JD	NT		NT	
Benzene	0.0600	4.800	NT		0.200	U	0.0500		NT	
Carbon disulfide	~	~	NT		0.200	U	0.00210	U	NT	
cis-1,2-Dichloroethylene	0.250	100	NT		0.200	U	0.00210	U	NT	
Cyclohexane	~	~	NT		0.200	U	2.900	D	NT	
Ethyl Benzene	1	41	NT		2	D	2	D	NT	
Isopropylbenzene	~	~	NT		0.630	D	0.610	D	NT	
Methyl tert-butyl ether (MTBE)	0.930	100	NT		0.390	JD	0.430	D	NT	
Methylcyclohexane	~	~	NT		2.100	D	1.900	D	NT	
Methylene chloride	0.0500	100	NT		0.400	U	0.00430	U	NT	
n-Butylbenzene	12	100	NT		1.600	D	0.160		NT	
n-Propylbenzene	3.900	100	NT		2.300	D	2.200	D	NT	
o-Xylene	~	~	NT		2.900	D	3	D	NT	
p- & m- Xylenes	~	~	NT		8.800	D	9	D	NT	
p-Isopropyltoluene	~	~	NT		0.210	JD	0.0420		NT	
sec-Butylbenzene	11	100	NT		0.390	JD	0.0780		NT	
Toluene	0.700	100	NT		0.820	D	0.920	D	NT	
trans-1,2-Dichloroethylene	0.190	100	NT		0.200	U	0.00210	U	NT	
Vinyl Chloride	0.0200	0.900	NT		0.200	U	0.00210	U	NT	
Xylenes, Total	0.260	100	NT		12	D	12	D	NT	
TOC (mg/kg)										
Total Organic Carbon	~	~	815		NT		NT		1230	
Total Solids (%)										
% Solids	~	~	NT		77		83.800		NT	

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Effectiveness Test Soil Analytical Results

714 East 241st Street
Bronx, New York
Langan Project No.: 140115301

Sample ID Treatment Jar ID Sampling Date Client Matrix	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential	19_S MW-42_E_CR_M 9/4/2020 4:05:00 PM Soil		20_S MW-42_E_CR_M 9/4/2020 4:15:00 PM Soil		19+20_S MW-42_E_CR_M 9/4/2020 4:05:00 PM Soil		21_S MW-42_E_CR_H 9/4/2020 4:35:00 PM Soil	
			Result	Q	Result	Q	Result	Q	Result	Q
VOCs (mg/kg)										
1,1-Dichloroethane	0.270	26	0.220	U	0.300	U	NT		0.340	U
1,1-Dichloroethylene	0.330	100	0.220	U	0.300	U	NT		0.340	U
1,2,4-Trimethylbenzene	3.600	52	14	D	21	D	NT		17	D
1,2-Dichloroethane	0.0200	3.100	0.220	U	0.300	U	NT		0.340	U
1,3,5-Trimethylbenzene	8.400	52	4.200	D	6.500	D	NT		9.600	D
1,4-Dioxane	0.100	13	4.400	U	6.100	U	NT		6.700	U
2-Butanone	0.120	100	0.410	JD	0.300	U	NT		0.830	D
Acetone	0.0500	100	0.900	D	1.200	D	NT		2.200	D
Benzene	0.0600	4.800	0.220	U	0.300	U	NT		0.340	U
Carbon disulfide	~	~	0.220	U	0.300	U	NT		0.340	U
cis-1,2-Dichloroethylene	0.250	100	0.220	U	0.300	U	NT		0.340	U
Cyclohexane	~	~	0.220	U	3.900	D	NT		0.340	U
Ethyl Benzene	1	41	1.100	D	1.600	D	NT		2.100	D
Isopropylbenzene	~	~	0.510	D	0.800	D	NT		1.100	D
Methyl tert-butyl ether (MTBE)	0.930	100	0.410	JD	0.540	JD	NT		0.520	JD
Methylcyclohexane	~	~	1.800	D	2.700	D	NT		2.200	D
Methylene chloride	0.0500	100	0.440	U	0.610	U	NT		0.670	U
n-Butylbenzene	12	100	1.600	D	2.600	D	NT		3.800	D
n-Propylbenzene	3.900	100	1.900	D	3.100	D	NT		4.400	D
o-Xylene	~	~	1.600	D	2.200	D	NT		2.800	D
p- & m- Xylenes	~	~	4.900	D	7.200	D	NT		9.200	D
p-Isopropyltoluene	~	~	0.220	U	0.320	JD	NT		0.460	JD
sec-Butylbenzene	11	100	0.370	JD	0.610	JD	NT		0.860	D
Toluene	0.700	100	0.330	JD	0.430	JD	NT		0.340	U
trans-1,2-Dichloroethylene	0.190	100	0.220	U	0.300	U	NT		0.340	U
Vinyl Chloride	0.0200	0.900	0.220	U	0.300	U	NT		0.340	U
Xylenes, Total	0.260	100	6.500	D	9.400	D	NT		12	D
TOC (mg/kg)										
Total Organic Carbon	~	~	NT		NT		846		NT	
Total Solids (%)										
% Solids	~	~	76.700		76.400		NT		74.500	

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Bronx, New York
Langan Project No.: 140115301

Sample ID Treatment Jar ID Sampling Date Client Matrix Compound	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential	22_S MW-42_E_CR_H 9/4/2020 4:45:00 PM Soil		21+22_S MW-42_E_CR_H 9/4/2020 4:35:00 PM Soil		23_S MW-42_E_SP_L 9/3/2020 3:45:00 PM Soil		24_S MW-42_E_SP_L 9/3/2020 4:05:00 PM Soil	
			Result	Q	Result	Q	Result	Q	Result	Q
VOCs (mg/kg)										
1,1-Dichloroethane	0.270	26	0.300	U	NT		0.210	U	0.220	U
1,1-Dichloroethylene	0.330	100	0.300	U	NT		0.210	U	0.220	U
1,2,4-Trimethylbenzene	3.600	52	13	D	NT		14	D	13	D
1,2-Dichloroethane	0.0200	3.100	0.300	U	NT		0.210	U	0.220	U
1,3,5-Trimethylbenzene	8.400	52	3.800	D	NT		4.600	D	4.400	D
1,4-Dioxane	0.100	13	6	U	NT		4.100	U	4.300	U
2-Butanone	0.120	100	0.300	U	NT		0.210	U	0.220	U
Acetone	0.0500	100	2	D	NT		0.410	U	0.430	U
Benzene	0.0600	4.800	0.300	U	NT		0.210	U	0.220	U
Carbon disulfide	~	~	0.300	U	NT		0.210	U	0.220	U
cis-1,2-Dichloroethylene	0.250	100	0.300	U	NT		0.210	U	0.220	U
Cyclohexane	~	~	0.300	U	NT		0.210	U	0.220	U
Ethyl Benzene	1	41	0.690	D	NT		1.300	D	1.200	D
Isopropylbenzene	~	~	0.450	JD	NT		0.640	D	0.600	D
Methyl tert-butyl ether (MTBE)	0.930	100	0.300	U	NT		0.210	U	0.220	U
Methylcyclohexane	~	~	0.790	D	NT		2.500	D	2	D
Methylene chloride	0.0500	100	0.600	U	NT		0.410	U	0.430	U
n-Butylbenzene	12	100	1.700	D	NT		1.900	D	1.800	D
n-Propylbenzene	3.900	100	1.800	D	NT		2.400	D	2.300	D
o-Xylene	~	~	0.920	D	NT		1.800	D	1.800	D
p- & m- Xylenes	~	~	3	D	NT		5.700	D	5.600	D
p-Isopropyltoluene	~	~	0.300	U	NT		0.240	JD	0.230	JD
sec-Butylbenzene	11	100	0.380	JD	NT		0.420	D	0.400	JD
Toluene	0.700	100	0.300	U	NT		0.260	JD	0.260	JD
trans-1,2-Dichloroethylene	0.190	100	0.300	U	NT		0.210	U	0.220	U
Vinyl Chloride	0.0200	0.900	0.300	U	NT		0.210	U	0.220	U
Xylenes, Total	0.260	100	3.900	D	NT		7.600	D	7.300	D
TOC (mg/kg)										
Total Organic Carbon	~	~	NT		1050		NT		NT	
Total Solids (%)										
% Solids	~	~	73.300		NT		82.400		84	

Table 6
In-Situ Chemical Oxidation Treatability Study Report
Effectiveness Test Soil Analytical Results

714 East 241st Street
Bronx, New York
Langan Project No.: 140115301

Sample ID Treatment Jar ID Sampling Date Client Matrix Compound	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential	23+24_S MW-42_E_SP_L 9/3/2020 3:45:00 PM Soil		25_S MW-42_E_SP_H 9/4/2020 11:05:00 AM Soil		26_S MW-42_E_SP_H 9/4/2020 11:35:00 AM Soil		25+26_S MW-42_E_SP_H 9/4/2020 11:05:00 AM Soil	
			Result	Q	Result	Q	Result	Q	Result	Q
VOCs (mg/kg)										
1,1-Dichloroethane	0.270	26	NT		0.260	U		0.00240	U	NT
1,1-Dichloroethylene	0.330	100	NT		0.260	U		0.00240	U	NT
1,2,4-Trimethylbenzene	3.600	52	NT		1.200	D		2.600	D	NT
1,2-Dichloroethane	0.0200	3.100	NT		0.260	U		0.00240	U	NT
1,3,5-Trimethylbenzene	8.400	52	NT		0.610	D		0.970	D	NT
1,4-Dioxane	0.100	13	NT		5.300	U		0.0480	U	NT
2-Butanone	0.120	100	NT		0.260	U		0.0340		NT
Acetone	0.0500	100	NT		0.530	U		0.150		NT
Benzene	0.0600	4.800	NT		0.260	U		0.00240	U	NT
Carbon disulfide	~	~	NT		0.260	U		0.00240	U	NT
cis-1,2-Dichloroethylene	0.250	100	NT		0.260	U		0.00240	U	NT
Cyclohexane	~	~	NT		0.260	U		0.00240	U	NT
Ethyl Benzene	1	41	NT		0.260	U		0.0890		NT
Isopropylbenzene	~	~	NT		0.260	U		0.0460		NT
Methyl tert-butyl ether (MTBE)	0.930	100	NT		0.260	U		0.00240	U	NT
Methylcyclohexane	~	~	NT		1	D		0.170		NT
Methylene chloride	0.0500	100	NT		0.530	U		0.00480	U	NT
n-Butylbenzene	12	100	NT		0.930	D		0.120		NT
n-Propylbenzene	3.900	100	NT		0.390	JD		0.540	D	NT
o-Xylene	~	~	NT		0.260	U		0.130		NT
p- & m- Xylenes	~	~	NT		0.530	U		0.270		NT
p-Isopropyltoluene	~	~	NT		0.260	U		0.0180		NT
sec-Butylbenzene	11	100	NT		0.260	U		0.0460		NT
Toluene	0.700	100	NT		0.260	U		0.00910		NT
trans-1,2-Dichloroethylene	0.190	100	NT		0.260	U		0.00240	U	NT
Vinyl Chloride	0.0200	0.900	NT		0.260	U		0.00240	U	NT
Xylenes, Total	0.260	100	NT		0.790	U		0.400		NT
TOC (mg/kg)										
Total Organic Carbon	~	~	759		NT			NT		435
Total Solids (%)										
% Solids	~	~	NT		81.200			81.200		NT

Table 6
In-Situ Chemical Oxidation Treatability Study
Effectiveness Test Soil Analytical Results

714 East 241st Street
Bronx, New York
Langan Project No.: 140115301

NOTES:

Any Regulatory Exceedences are color coded by Regulation

Q is the Qualifier Column with definitions as follows:

D=result is from an analysis that required a dilution

J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated

U=analyte not detected at or above the level indicated

B=analyte found in the analysis batch blank

E=result is estimated and cannot be accurately reported due to levels encountered or interferences

P=this flag is used for pesticide and PCB (Aroclor) target compounds when there is a % difference for detected concentrations that exceed method dictated limits between the two GC columns used for analysis

NT=this indicates the analyte was not a target for this sample

~=this indicates that no regulatory limit has been established for this analyte

Indicates exceedance of the Unrestricted Use Objectives

Indicates exceedance of the Restricted Residential Soil Cleanup Objectives

Indicates laboratory reporting limits were above the applicable criteria

Table 7
In-Situ Chemical Oxidation Treatability Study Report
Effectiveness Test Groundwater Analytical Results
714 East 241st Street
Bronx, New York
Langan Project NO.: 140115301

Sample ID York ID Sampling Date Client Matrix	NYSDEC TOGS Standards and Guidance Values - GA	3_GW 2010305-11 9/3/2020 3:00:00 PM Water		4_GW 2010305-15 9/3/2020 3:30:00 PM Water		3 4_GW 2010305-13 9/3/2020 3:00:00 PM Water		5_GW 2010305-51 9/4/2020 12:00:00 PM Water		6_GW 2010305-55 9/4/2020 12:30:00 PM Water		5 6_GW 2010305-53 9/4/2020 12:00:00 PM Water	
		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
VOCs (ug/L)													
1,1,1,2-Tetrachloroethane	5	2	U	2	U	NT		2	U	2	U	NT	
1,1,1-Trichloroethane	5	2	U	2	U	NT		2	U	2	U	NT	
1,1,2,2-Tetrachloroethane	5	2	U	2	U	NT		2	U	2	U	NT	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon)	5	2	U	2	U	NT		2	U	2	U	NT	
1,1,2-Trichloroethane	1	2	U	2	U	NT		2	U	2	U	NT	
1,1-Dichloroethane	5	2	U	2	U	NT		2	U	2	U	NT	
1,1-Dichloroethylene	5	2	U	2	U	NT		2	U	2	U	NT	
1,2,3-Trichlorobenzene	5	2	U	2	U	NT		2	U	2	U	NT	
1,2,3-Trichloropropane	0.0400	2	U	2	U	NT		2	U	2	U	NT	
1,2,4-Trichlorobenzene	5	2	U	2	U	NT		2	U	2	U	NT	
1,2,4-Trimethylbenzene	5	1,500	D	1,500	D	NT		760	D	760	D	NT	
1,2-Dibromo-3-chloropropane	0.0400	2	U	2	U	NT		2	U	2	U	NT	
1,2-Dibromoethane	0.00060	2	U	2	U	NT		2	U	2	U	NT	
1,2-Dichlorobenzene	3	2	U	2	U	NT		2	U	2	U	NT	
1,2-Dichloroethane	0.600	2	U	2	U	NT		2	U	2	U	NT	
1,2-Dichloropropane	1	2	U	2	U	NT		2	U	2	U	NT	
1,3,5-Trimethylbenzene	5	440	D	460	D	NT		200	D	210	D	NT	
1,3-Dichlorobenzene	3	2	U	2	U	NT		2	U	2	U	NT	
1,4-Dichlorobenzene	3	2	U	2	U	NT		2	U	2	U	NT	
2-Butanone	50	2	U	2	U	NT		370	D	610	D	NT	
2-Hexanone	50	2	U	2	U	NT		24	D	80	D	NT	
4-Methyl-2-pentanone	~	2	U	2	U	NT		26	D	31	D	NT	
Acetone	50	100	D	100	D	NT		1,200	D	1,600	D	NT	
Acrolein	~	2	U	2	U	NT		2	U	2	U	NT	
Benzene	1	5,300	D	5,200	D	NT		220	D	250	D	NT	
Bromochloromethane	5	2	U	2	U	NT		2	U	2	U	NT	
Bromomethane	5	2	U	2	U	NT		2	U	2	U	NT	
Carbon disulfide	~	2	U	2	U	NT		2.300	JD	2.400	JD	NT	
Carbon tetrachloride	5	2	U	2	U	NT		2	U	2	U	NT	
Chlorobenzene	5	2	U	2	U	NT		2	U	2	U	NT	
Chloroethane	5	2	U	2	U	NT		2	U	2	U	NT	
Chloroform	7	2	U	2	U	NT		2	U	2	U	NT	
Chloromethane	5	2	U	2	U	NT		2	U	2	U	NT	
cis-1,2-Dichloroethylene	5	2	U	2	U	NT		2	U	2	U	NT	
cis-1,3-Dichloropropylene	0.400	2	U	2	U	NT		2	U	2	U	NT	
Cyclohexane	~	110	D	120	D	NT		37	D	10	D	NT	
Dichlorodifluoromethane	5	2	U	2	U	NT		2	U	2	U	NT	
Ethyl Benzene	5	740	D	610	D	NT		190	D	180	D	NT	

Table 7
In-Situ Chemical Oxidation Treatability Study Report
Effectiveness Test Groundwater Analytical Results
714 East 241st Street
Bronx, New York
Langan Project NO.: 140115301

Sample ID York ID Sampling Date Client Matrix	NYSDEC TOGS Standards and Guidance Values - GA	3_GW 2010305-11 9/3/2020 3:00:00 PM Water		4_GW 2010305-15 9/3/2020 3:30:00 PM Water		3 4_GW 2010305-13 9/3/2020 3:00:00 PM Water		5_GW 2010305-51 9/4/2020 12:00:00 PM Water		6_GW 2010305-55 9/4/2020 12:30:00 PM Water		5 6_GW 2010305-53 9/4/2020 12:00:00 PM Water	
		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Hexachlorobutadiene	0.500	2	U	2	U	NT		2	U	2	U	NT	
Isopropylbenzene	5	61	D	53	D	NT		31	D	30	D	NT	
Methyl tert-butyl ether (MTBE)	10	2,900	D	2,800	D	NT		1,600	D	1,500	D	NT	
Methylcyclohexane	~	130	D	130	D	NT		55	D	12	D	NT	
Methylene chloride	5	10	U	10	U	NT		10	U	10	U	NT	
n-Butylbenzene	5	16	D	17	D	NT		12	D	11	D	NT	
n-Propylbenzene	5	170	D	110	D	NT		110	D	110	D	NT	
o-Xylene	5	1,100	D	1,100	D	NT		210	D	210	D	NT	
p- & m- Xylenes	5	2,800	D	2,800	D	NT		700	D	650	D	NT	
p-Isopropyltoluene	5	6,300	D	6,400	D	NT		4.200	JD	4.600	JD	NT	
sec-Butylbenzene	5	12	D	13	D	NT		8.100	D	9.200	D	NT	
Styrene	5	2	U	2	U	NT		2	U	2	U	NT	
tert-Butyl alcohol (TBA)	~	5	U	5	U	NT		5	U	890	D	NT	
tert-Butylbenzene	5	2	U	2	U	NT		2	U	2	U	NT	
Tetrachloroethylene	5	2	U	2	U	NT		2	U	2	U	NT	
Toluene	5	7,000	D	6,900	D	NT		260	D	280	D	NT	
trans-1,2-Dichloroethylene	5	2	U	2	U	NT		2	U	2	U	NT	
trans-1,3-Dichloropropylene	0.400	2	U	2	U	NT		2	U	2	U	NT	
Trichloroethylene	5	2	U	2	U	NT		2	U	2	U	NT	
Trichlorofluoromethane	5	2	U	2	U	NT		2	U	2	U	NT	
Vinyl Chloride	2	2	U	2	U	NT		2	U	2	U	NT	
Xylenes, Total	5	3,900	D	3,900	D	NT		910	D	860	D	NT	
Metals, ICP Total (ug/L)													
Aluminum	~	NT		NT		4,620		NT		NT		NT	
Barium	1,000	NT		NT		180		NT		NT		NT	
Calcium	~	NT		NT		51,400		NT		NT		NT	
Chromium	50	NT		NT		10.200		NT		NT		NT	
Cobalt	~	NT		NT		4.890	U	NT		NT		NT	
Copper	200	NT		NT		24.400	U	NT		NT		NT	
Iron	~	NT		NT		6,050		NT		NT		NT	
Lead	25	NT		NT		62.700		NT		NT		NT	
Magnesium	35,000	NT		NT		8,030		NT		NT		NT	
Manganese	300	NT		NT		180		NT		NT		NT	
Nickel	100	NT		NT		12.200	U	NT		NT		NT	
Potassium	~	NT		NT		56,300		NT		NT		NT	
Sodium	20,000	NT		NT		236,000		NT		NT		NT	
Vanadium	~	NT		NT		12.200	U	NT		NT		NT	
Zinc	2,000	NT		NT		78.200		NT		NT		NT	

Table 7
In-Situ Chemical Oxidation Treatability Study Report
Effectiveness Test Groundwater Analytical Results
714 East 241st Street
Bronx, New York
Langan Project NO.: 140115301

Sample ID York ID Sampling Date Client Matrix	NYSDEC TOGS Standards and Guidance Values - GA	3_GW 2010305-11 9/3/2020 3:00:00 PM Water		4_GW 2010305-15 9/3/2020 3:30:00 PM Water		3 4_GW 2010305-13 9/3/2020 3:00:00 PM Water		5_GW 2010305-51 9/4/2020 12:00:00 PM Water		6_GW 2010305-55 9/4/2020 12:30:00 PM Water		5 6_GW 2010305-53 9/4/2020 12:00:00 PM Water	
		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Metals, ICP Dissolved (ug/L)													
Aluminum	~	NT		NT		96.500		NT		NT		761	
Barium	1,000	NT		NT		153		NT		NT		665	
Calcium	~	NT		NT		48,500		NT		NT		826,000	
Chromium	50	NT		NT		5.560	U	NT		NT		191	
Copper	200	NT		NT		22.200	U	NT		NT		48.400	
Iron	~	NT		NT		278	U	NT		NT		278	U
Lead	25	NT		NT		48.800		NT		NT		12.700	
Magnesium	35,000	NT		NT		6,710		NT		NT		403	
Manganese	300	NT		NT		131		NT		NT		5.560	U
Nickel	100	NT		NT		25.200		NT		NT		11.100	U
Potassium	~	NT		NT		63,000		NT		NT		136,000	
Silver	50	NT		NT		5.560	U	NT		NT		5.560	U
Sodium	20,000	NT		NT		252,000		NT		NT		2,260,000	D
Vanadium	~	NT		NT		11.100	U	NT		NT		177	
Zinc	2,000	NT		NT		72.300		NT		NT		94.800	
Metals, ICPMS Total (ug/L)													
Antimony	3	NT		NT		1.470		NT		NT		NT	
Arsenic	25	NT		NT		7.120		NT		NT		NT	
Beryllium	3	NT		NT		0.367	U	NT		NT		NT	
Cadmium	5	NT		NT		0.611	U	NT		NT		NT	
Selenium	10	NT		NT		1.970		NT		NT		NT	
Metals, ICPMS Dissolved (ug/L)													
Antimony	3	NT		NT		3.100		NT		NT		1.110	U
Arsenic	25	NT		NT		7.520		NT		NT		21.600	
Selenium	10	NT		NT		3.110		NT		NT		70.200	

Table 7
In-Situ Chemical Oxidation Treatability Study Report
Effectiveness Test Groundwater Analytical Results

714 East 241st Street
Bronx, New York
Langan Project NO.: 140115301

Sample ID York ID Sampling Date Client Matrix	NYSDEC TOGS Standards and Guidance Values - GA	7_GW 2010305-57 9/4/2020 2:00:00 PM Water		8_GW 2010305-61 9/4/2020 2:30:00 PM Water		7 8_GW 2010305-59 9/4/2020 2:00:00 PM Water		9_GW 2010305-63 9/4/2020 2:45:00 PM Water		10_GW 2010305-66 9/4/2020 3:15:00 PM Water		11_GW 2010305-01 9/3/2020 1:20:00 PM Water	
		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
VOCs (ug/L)													
1,1,1,2-Tetrachloroethane	5	2	U	2	U	NT		2	U	2	U	2	U
1,1,1-Trichloroethane	5	2	U	2	U	NT		2	U	2	U	2	U
1,1,2,2-Tetrachloroethane	5	2	U	2	U	NT		2	U	2	U	2	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon)	5	2	U	2	U	NT		2	U	2	U	2	U
1,1,2-Trichloroethane	1	2	U	2	U	NT		2	U	2	U	2	U
1,1-Dichloroethane	5	2	U	2	U	NT		2	U	2	U	2	U
1,1-Dichloroethylene	5	2	U	2	U	NT		2	U	2	U	2	U
1,2,3-Trichlorobenzene	5	2	U	2	U	NT		2	U	2	U	2	U
1,2,3-Trichloropropane	0.0400	2	U	2	U	NT		2	U	2	U	2	U
1,2,4-Trichlorobenzene	5	2	U	2	U	NT		2	U	2	U	2	U
1,2,4-Trimethylbenzene	5	680	D	690	D	NT		530	D	300	D	490	D
1,2-Dibromo-3-chloropropane	0.0400	2	U	2	U	NT		2	U	2	U	2	U
1,2-Dibromoethane	0.00060	2	U	2	U	NT		2	U	2	U	2	U
1,2-Dichlorobenzene	3	2	U	2	U	NT		2	U	2	U	2	U
1,2-Dichloroethane	0.600	2	U	2	U	NT		2	U	2	U	2	U
1,2-Dichloropropane	1	2	U	2	U	NT		2	U	2	U	2	U
1,3,5-Trimethylbenzene	5	180	D	190	D	NT		140	D	82	D	140	D
1,3-Dichlorobenzene	3	2	U	2	U	NT		2	U	2	U	2	U
1,4-Dichlorobenzene	3	2	U	2	U	NT		2	U	2	U	2	U
2-Butanone	50	400	D	710	D	NT		500	D	310	D	310	D
2-Hexanone	50	24	D	48	D	NT		56	D	2	U	34	D
4-Methyl-2-pentanone	~	23	D	35	D	NT		19	D	9.200	D	30	D
Acetone	50	1,600	D	2,500	D	NT		2,500	D	1,600	D	1,300	D
Acrolein	~	2	U	2	U	NT		2	U	2	U	2	U
Benzene	1	79	D	51	D	NT		10	D	4.800	JD	56	D
Bromochloromethane	5	2	U	2	U	NT		2	U	2	U	2	U
Bromomethane	5	2	U	2	U	NT		2	U	2	U	2	U
Carbon disulfide	~	2	U	2.100	JD	NT		2	U	2	U	2	U
Carbon tetrachloride	5	2	U	2	U	NT		2	U	2	U	2	U
Chlorobenzene	5	2	U	2	U	NT		2	U	2	U	2	U
Chloroethane	5	2	U	2	U	NT		2	U	2	U	2	U
Chloroform	7	2	U	2	U	NT		2	U	2	U	2	U
Chloromethane	5	2	U	2	U	NT		2	U	2	U	2	U
cis-1,2-Dichloroethylene	5	2	U	2	U	NT		2	U	2	U	2	U
cis-1,3-Dichloropropylene	0.400	2	U	2	U	NT		2	U	2	U	2	U
Cyclohexane	~	29	D	26	D	NT		16	D	13	D	58	D
Dichlorodifluoromethane	5	2	U	2	U	NT		2	U	2	U	2	U
Ethyl Benzene	5	120	D	110	D	NT		80	D	37	D	53	D

Table 7
In-Situ Chemical Oxidation Treatability Study Report
Effectiveness Test Groundwater Analytical Results

714 East 241st Street
Bronx, New York
Langan Project NO.: 140115301

Sample ID York ID Sampling Date Client Matrix	NYSDEC TOGS Standards and Guidance Values - GA	7_GW 2010305-57 9/4/2020 2:00:00 PM Water		8_GW 2010305-61 9/4/2020 2:30:00 PM Water		7 8_GW 2010305-59 9/4/2020 2:00:00 PM Water		9_GW 2010305-63 9/4/2020 2:45:00 PM Water		10_GW 2010305-66 9/4/2020 3:15:00 PM Water		11_GW 2010305-01 9/3/2020 1:20:00 PM Water	
		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Hexachlorobutadiene	0.500	2	U	2	U	NT		2	U	2	U	2	U
Isopropylbenzene	5	26	D	27	D	NT		20	D	12	D	20	D
Methyl tert-butyl ether (MTBE)	10	1,200	D	1,200	D	NT		570	D	320	D	900	D
Methylcyclohexane	~	43	D	46	D	NT		27	D	17	D	95	D
Methylene chloride	5	10	U	10	U	NT		10	U	10	U	10	U
n-Butylbenzene	5	13	D	15	D	NT		9,400	D	6,300	D	15	D
n-Propylbenzene	5	91	D	97	D	NT		72	D	43	D	73	D
o-Xylene	5	130	D	120	D	NT		82	D	38	D	79	D
p- & m- Xylenes	5	460	D	410	D	NT		320	D	150	D	280	D
p-Isopropyltoluene	5	3.800	JD	4.800	JD	NT		3	JD	2.100	JD	4.100	JD
sec-Butylbenzene	5	8,300	D	10	D	NT		6,400	D	4,600	JD	9,300	D
Styrene	5	2	U	2	U	NT		2	U	2	U	2	U
tert-Butyl alcohol (TBA)	~	5	U	5	U	NT		5	U	5	U	5	U
tert-Butylbenzene	5	2	U	2	U	NT		2	U	2	U	2	U
Tetrachloroethylene	5	2	U	2	U	NT		2	U	2	U	2	U
Toluene	5	82	D	76	D	NT		20	D	9,700	D	32	D
trans-1,2-Dichloroethylene	5	2	U	2	U	NT		2	U	2	U	2	U
trans-1,3-Dichloropropylene	0.400	2	U	2	U	NT		2	U	2	U	2	U
Trichloroethylene	5	2	U	2	U	NT		2	U	2	U	2	U
Trichlorofluoromethane	5	2	U	2	U	NT		2	U	2	U	2	U
Vinyl Chloride	2	2	U	2	U	NT		2	U	2	U	2	U
Xylenes, Total	5	590	D	520	D	NT		400	D	190	D	360	D
Metals, ICP Total (ug/L)													
Aluminum	~	NT		NT		NT		NT		NT		NT	
Barium	1,000	NT		NT		NT		NT		NT		NT	
Calcium	~	NT		NT		NT		NT		NT		NT	
Chromium	50	NT		NT		NT		NT		NT		NT	
Cobalt	~	NT		NT		NT		NT		NT		NT	
Copper	200	NT		NT		NT		NT		NT		NT	
Iron	~	NT		NT		NT		NT		NT		NT	
Lead	25	NT		NT		NT		NT		NT		NT	
Magnesium	35,000	NT		NT		NT		NT		NT		NT	
Manganese	300	NT		NT		NT		NT		NT		NT	
Nickel	100	NT		NT		NT		NT		NT		NT	
Potassium	~	NT		NT		NT		NT		NT		NT	
Sodium	20,000	NT		NT		NT		NT		NT		NT	
Vanadium	~	NT		NT		NT		NT		NT		NT	
Zinc	2,000	NT		NT		NT		NT		NT		NT	

Table 7
In-Situ Chemical Oxidation Treatability Study Report
Effectiveness Test Groundwater Analytical Results
714 East 241st Street
Bronx, New York
Langan Project NO.: 140115301

Sample ID York ID Sampling Date Client Matrix	NYSDEC TOGS Standards and Guidance Values - GA	7_GW 2010305-57 9/4/2020 2:00:00 PM Water		8_GW 2010305-61 9/4/2020 2:30:00 PM Water		7 8_GW 2010305-59 9/4/2020 2:00:00 PM Water		9_GW 2010305-63 9/4/2020 2:45:00 PM Water		10_GW 2010305-66 9/4/2020 3:15:00 PM Water		11_GW 2010305-01 9/3/2020 1:20:00 PM Water	
		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Metals, ICP Dissolved (ug/L)													
Aluminum	~	NT		NT		951	D	NT		NT		NT	
Barium	1,000	NT		NT		603	D	NT		NT		NT	
Calcium	~	NT		NT		542,000	D	NT		NT		NT	
Chromium	50	NT		NT		268	D	NT		NT		NT	
Copper	200	NT		NT		222	U	NT		NT		NT	
Iron	~	NT		NT		2,780	U	NT		NT		NT	
Lead	25	NT		NT		55.600	U	NT		NT		NT	
Magnesium	35,000	NT		NT		556	U	NT		NT		NT	
Manganese	300	NT		NT		55.600	U	NT		NT		NT	
Nickel	100	NT		NT		111	U	NT		NT		NT	
Potassium	~	NT		NT		136,000	D	NT		NT		NT	
Silver	50	NT		NT		55.600	U	NT		NT		NT	
Sodium	20,000	NT		NT		4,200,000	D	NT		NT		NT	
Vanadium	~	NT		NT		196	D	NT		NT		NT	
Zinc	2,000	NT		NT		337	D	NT		NT		NT	
Metals, ICPMS Total (ug/L)													
Antimony	3	NT		NT		NT		NT		NT		NT	
Arsenic	25	NT		NT		NT		NT		NT		NT	
Beryllium	3	NT		NT		NT		NT		NT		NT	
Cadmium	5	NT		NT		NT		NT		NT		NT	
Selenium	10	NT		NT		NT		NT		NT		NT	
Metals, ICPMS Dissolved (ug/L)													
Antimony	3	NT		NT		1.110	U	NT		NT		NT	
Arsenic	25	NT		NT		2.700		NT		NT		NT	
Selenium	10	NT		NT		7.340		NT		NT		NT	

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714 East 241st Street
Bronx, New York
Langan Project NO.: 140115301

Sample ID York ID Sampling Date Client Matrix	NYSDEC TOGS Standards and Guidance Values - GA	12_GW 2010305-05 9/3/2020 1:50:00 PM Water		11 12_GW 2010305-03 9/3/2020 1:20:00 PM Water		13_GW 2010305-07 9/3/2020 2:15:00 PM Water		14_GW 2010305-17 9/3/2020 2:35:00 PM Water		13 14_GW 2010305-09 9/3/2020 2:15:00 PM Water	
		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
VOCs (ug/L)											
1,1,1,2-Tetrachloroethane	5	2	U	NT		0.400	U	1	U	NT	
1,1,1-Trichloroethane	5	2	U	NT		0.400	U	1	U	NT	
1,1,2,2-Tetrachloroethane	5	2	U	NT		0.400	U	1	U	NT	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon)	5	2	U	NT		0.400	U	1	U	NT	
1,1,2-Trichloroethane	1	2	U	NT		0.400	U	1	U	NT	
1,1-Dichloroethane	5	2	U	NT		0.400	U	1	U	NT	
1,1-Dichloroethylene	5	2	U	NT		0.400	U	1	U	NT	
1,2,3-Trichlorobenzene	5	2	U	NT		0.400	U	1	U	NT	
1,2,3-Trichloropropane	0.0400	2	U	NT		0.400	U	1	U	NT	
1,2,4-Trichlorobenzene	5	2	U	NT		0.400	U	1	U	NT	
1,2,4-Trimethylbenzene	5	570	D	NT		64	D	65	D	NT	
1,2-Dibromo-3-chloropropane	0.0400	2	U	NT		0.400	U	1	U	NT	
1,2-Dibromoethane	0.00060	2	U	NT		0.400	U	1	U	NT	
1,2-Dichlorobenzene	3	2	U	NT		0.400	U	1	U	NT	
1,2-Dichloroethane	0.600	2	U	NT		0.400	U	1	U	NT	
1,2-Dichloropropane	1	2	U	NT		0.400	U	1	U	NT	
1,3,5-Trimethylbenzene	5	160	D	NT		22	D	23	D	NT	
1,3-Dichlorobenzene	3	2	U	NT		0.400	U	1	U	NT	
1,4-Dichlorobenzene	3	2	U	NT		0.400	U	1	U	NT	
2-Butanone	50	300	D	NT		53	D	32	D	NT	
2-Hexanone	50	21	D	NT		9.400	D	1	U	NT	
4-Methyl-2-pentanone	~	30	D	NT		5.600	D	1	U	NT	
Acetone	50	1,200	D	NT		540	D	500	D	NT	
Acrolein	~	2	U	NT		5	D	12	D	NT	
Benzene	1	57	D	NT		1.100	D	1.300	JD	NT	
Bromochloromethane	5	2	U	NT		0.400	U	1	U	NT	
Bromomethane	5	2	U	NT		1	D	1	U	NT	
Carbon disulfide	~	2.500	JD	NT		0.400	U	1	U	NT	
Carbon tetrachloride	5	2	U	NT		0.400	U	1	U	NT	
Chlorobenzene	5	2	U	NT		0.400	U	1	U	NT	
Chloroethane	5	2	U	NT		0.400	U	1	U	NT	
Chloroform	7	2	U	NT		0.400	U	1	U	NT	
Chloromethane	5	2	U	NT		0.400	U	1	U	NT	
cis-1,2-Dichloroethylene	5	2	U	NT		0.400	U	1	U	NT	
cis-1,3-Dichloropropylene	0.400	2	U	NT		0.400	U	1	U	NT	
Cyclohexane	~	68	D	NT		2.300	D	2.200	JD	NT	
Dichlorodifluoromethane	5	2	U	NT		0.400	U	1	U	NT	
Ethyl Benzene	5	73	D	NT		5.100	D	4.100	D	NT	

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Sample ID York ID Sampling Date Client Matrix	NYSDEC TOGS Standards and Guidance Values - GA	12_GW 2010305-05 9/3/2020 1:50:00 PM Water		11 12_GW 2010305-03 9/3/2020 1:20:00 PM Water		13_GW 2010305-07 9/3/2020 2:15:00 PM Water		14_GW 2010305-17 9/3/2020 2:35:00 PM Water		13 14_GW 2010305-09 9/3/2020 2:15:00 PM Water	
		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Hexachlorobutadiene	0.500	2	U	NT		0.400	U	1	U	NT	
Isopropylbenzene	5	23	D	NT		2.900	D	3	D	NT	
Methyl tert-butyl ether (MTBE)	10	870	D	NT		0.960	JD	1	U	NT	
Methylcyclohexane	~	100	D	NT		6.800	D	6.700	D	NT	
Methylene chloride	5	10	U	NT		2	U	5	U	NT	
n-Butylbenzene	5	13	D	NT		1.500	D	1.200	JD	NT	
n-Propylbenzene	5	84	D	NT		10	D	10	D	NT	
o-Xylene	5	110	D	NT		6.400	D	5.400	D	NT	
p- & m- Xylenes	5	380	D	NT		29	D	26	D	NT	
p-Isopropyltoluene	5	4.400	JD	NT		0.660	JD	1	U	NT	
sec-Butylbenzene	5	9.400	D	NT		1.500	D	1.500	JD	NT	
Styrene	5	2	U	NT		0.400	U	1	U	NT	
tert-Butyl alcohol (TBA)	~	5	U	NT		1	U	2.500	U	NT	
tert-Butylbenzene	5	2	U	NT		0.400	U	1	U	NT	
Tetrachloroethylene	5	2	U	NT		0.400	U	1	U	NT	
Toluene	5	36	D	NT		1.200	D	1.400	JD	NT	
trans-1,2-Dichloroethylene	5	2	U	NT		0.400	U	1	U	NT	
trans-1,3-Dichloropropylene	0.400	2	U	NT		0.400	U	1	U	NT	
Trichloroethylene	5	2	U	NT		0.400	U	1	U	NT	
Trichlorofluoromethane	5	2	U	NT		0.400	U	1	U	NT	
Vinyl Chloride	2	2	U	NT		0.400	U	1	U	NT	
Xylenes, Total	5	490	D	NT		35	D	31	D	NT	
Metals, ICP Total (ug/L)											
Aluminum	~	NT		NT		NT		NT		NT	
Barium	1,000	NT		NT		NT		NT		NT	
Calcium	~	NT		NT		NT		NT		NT	
Chromium	50	NT		NT		NT		NT		NT	
Cobalt	~	NT		NT		NT		NT		NT	
Copper	200	NT		NT		NT		NT		NT	
Iron	~	NT		NT		NT		NT		NT	
Lead	25	NT		NT		NT		NT		NT	
Magnesium	35,000	NT		NT		NT		NT		NT	
Manganese	300	NT		NT		NT		NT		NT	
Nickel	100	NT		NT		NT		NT		NT	
Potassium	~	NT		NT		NT		NT		NT	
Sodium	20,000	NT		NT		NT		NT		NT	
Vanadium	~	NT		NT		NT		NT		NT	
Zinc	2,000	NT		NT		NT		NT		NT	

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Sample ID York ID Sampling Date Client Matrix	NYSDEC TOGS Standards and Guidance Values - GA	12_GW 20I0305-05 9/3/2020 1:50:00 PM Water		11 12_GW 20I0305-03 9/3/2020 1:20:00 PM Water		13_GW 20I0305-07 9/3/2020 2:15:00 PM Water		14_GW 20I0305-17 9/3/2020 2:35:00 PM Water		13 14_GW 20I0305-09 9/3/2020 2:15:00 PM Water	
		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Metals, ICP Dissolved (ug/L)											
Aluminum	~	NT		23,900		NT		NT		186,000	
Barium	1,000	NT		68.900		NT		NT		27.800	U
Calcium	~	NT		17,700		NT		NT		2,660	
Chromium	50	NT		359		NT		NT		1,220	
Copper	200	NT		228		NT		NT		34.600	
Iron	~	NT		667		NT		NT		278	U
Lead	25	NT		5.560	U	NT		NT		6.330	
Magnesium	35,000	NT		198		NT		NT		55.600	U
Manganese	300	NT		8.470		NT		NT		5.560	U
Nickel	100	NT		26.400		NT		NT		37.900	
Potassium	~	NT		144,000		NT		NT		203,000	
Silver	50	NT		5.560	U	NT		NT		12.500	
Sodium	20,000	NT		6,480,000	E	NT		NT		26,200,000	D
Vanadium	~	NT		1,130		NT		NT		2,520	
Zinc	2,000	NT		54.100		NT		NT		27.800	U
Metals, ICPMS Total (ug/L)											
Antimony	3	NT		NT		NT		NT		NT	
Arsenic	25	NT		NT		NT		NT		NT	
Beryllium	3	NT		NT		NT		NT		NT	
Cadmium	5	NT		NT		NT		NT		NT	
Selenium	10	NT		NT		NT		NT		NT	
Metals, ICPMS Dissolved (ug/L)											
Antimony	3	NT		9.910		NT		NT		5.940	
Arsenic	25	NT		268		NT		NT		812	D
Selenium	10	NT		271		NT		NT		424	

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714 East 241st Street
Bronx, New York
Langan Project NO.: 140115301

Sample ID York ID Sampling Date Client Matrix	NYSDEC TOGS Standards and Guidance Values - GA	15_GW 20I0305-31 9/4/2020 10:30:00 AM Water		16_GW 20I0305-33 9/4/2020 10:50:00 AM Water		15 16_GW 20I0305-35 9/4/2020 10:30:00 AM Water		17_GW 20I0305-37 9/4/2020 3:30:00 PM Water		18_GW 20I0305-41 9/4/2020 3:45:00 PM Water		17 18_GW 20I0305-39 9/4/2020 3:30:00 PM Water	
		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
VOCs (ug/L)													
1,1,1,2-Tetrachloroethane	5	10	U	10	U	NT		2	U	2	U	NT	
1,1,1-Trichloroethane	5	10	U	10	U	NT		2	U	2	U	NT	
1,1,2,2-Tetrachloroethane	5	10	U	10	U	NT		2	U	2	U	NT	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon)	5	10	U	10	U	NT		2	U	2	U	NT	
1,1,2-Trichloroethane	1	10	U	10	U	NT		2	U	2	U	NT	
1,1-Dichloroethane	5	10	U	10	U	NT		2	U	2	U	NT	
1,1-Dichloroethylene	5	10	U	10	U	NT		2	U	2	U	NT	
1,2,3-Trichlorobenzene	5	10	U	10	U	NT		2	U	2	U	NT	
1,2,3-Trichloropropane	0.0400	10	U	10	U	NT		2	U	2	U	NT	
1,2,4-Trichlorobenzene	5	10	U	10	U	NT		2	U	2	U	NT	
1,2,4-Trimethylbenzene	5	4,800	D	4,300	D	NT		3,600	D	3,900	D	NT	
1,2-Dibromo-3-chloropropane	0.0400	10	U	10	U	NT		2	U	2	U	NT	
1,2-Dibromoethane	0.00060	10	U	10	U	NT		2	U	2	U	NT	
1,2-Dichlorobenzene	3	10	U	10	U	NT		2	U	2	U	NT	
1,2-Dichloroethane	0.600	10	U	10	U	NT		2	U	2	U	NT	
1,2-Dichloropropane	1	10	U	10	U	NT		2	U	2	U	NT	
1,3,5-Trimethylbenzene	5	1,400	D	1,200	D	NT		760	D	860	D	NT	
1,3-Dichlorobenzene	3	10	U	10	U	NT		2	U	2	U	NT	
1,4-Dichlorobenzene	3	10	U	10	U	NT		2	U	2	U	NT	
2-Butanone	50	10	U	10	U	NT		2	U	720	D	NT	
2-Hexanone	50	10	U	10	U	NT		140	D	120	D	NT	
4-Methyl-2-pentanone	~	10	U	10	U	NT		2	U	50	D	NT	
Acetone	50	98	JD	90	JD	NT		2,400	D	2,300	D	NT	
Acrolein	~	10	U	10	U	NT		2	U	2	U	NT	
Benzene	1	3,500	D	4,100	D	NT		410	D	440	D	NT	
Bromochloromethane	5	10	U	10	U	NT		2	U	2	U	NT	
Bromomethane	5	10	U	10	U	NT		2	U	2	U	NT	
Carbon disulfide	~	10	U	10	U	NT		2	U	2	U	NT	
Carbon tetrachloride	5	10	U	10	U	NT		2	U	2	U	NT	
Chlorobenzene	5	10	U	10	U	NT		2	U	2	U	NT	
Chloroethane	5	10	U	10	U	NT		2	U	2	U	NT	
Chloroform	7	10	U	10	U	NT		2	U	2	U	NT	
Chloromethane	5	10	U	10	U	NT		2	U	2	U	NT	
cis-1,2-Dichloroethylene	5	10	U	10	U	NT		2	U	2	U	NT	
cis-1,3-Dichloropropylene	0.400	10	U	10	U	NT		2	U	2	U	NT	
Cyclohexane	~	140	D	260	D	NT		62	D	77	D	NT	
Dichlorodifluoromethane	5	10	U	10	U	NT		2	U	2	U	NT	
Ethyl Benzene	5	550	D	810	D	NT		1,200	D	1,300	D	NT	

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Sample ID York ID Sampling Date Client Matrix	NYSDEC TOGS Standards and Guidance Values - GA	15_GW 2010305-31 9/4/2020 10:30:00 AM Water		16_GW 2010305-33 9/4/2020 10:50:00 AM Water		15 16_GW 2010305-35 9/4/2020 10:30:00 AM Water		17_GW 2010305-37 9/4/2020 3:30:00 PM Water		18_GW 2010305-41 9/4/2020 3:45:00 PM Water		17 18_GW 2010305-39 9/4/2020 3:30:00 PM Water	
		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Hexachlorobutadiene	0.500	10	U	10	U	NT		2	U	2	U	NT	
Isopropylbenzene	5	170	D	170	D	NT		140	D	150	D	NT	
Methyl tert-butyl ether (MTBE)	10	2,900	D	3,200	D	NT		2,400	D	2,600	D	NT	
Methylcyclohexane	~	310	D	210	D	NT		110	D	130	D	NT	
Methylene chloride	5	50	U	50	U	NT		10	U	10	U	NT	
n-Butylbenzene	5	52	D	32	D	NT		23	D	27	D	NT	
n-Propylbenzene	5	150	D	130	D	NT		350	D	400	D	NT	
o-Xylene	5	3,900	D	4,300	D	NT		2,200	D	2,400	D	NT	
p- & m- Xylenes	5	8,700	D	9,400	D	NT		5,600	D	5,900	D	NT	
p-Isopropyltoluene	5	28	D	20	JD	NT		12	D	15	D	NT	
sec-Butylbenzene	5	48	D	34	D	NT		20	D	24	D	NT	
Styrene	5	10	U	10	U	NT		2	U	2	U	NT	
tert-Butyl alcohol (TBA)	~	25	U	25	U	NT		5	U	5	U	NT	
tert-Butylbenzene	5	10	U	10	U	NT		2	U	2	U	NT	
Tetrachloroethylene	5	10	U	10	U	NT		2	U	2	U	NT	
Toluene	5	5,700	D	7,200	D	NT		1,400	D	1,600	D	NT	
trans-1,2-Dichloroethylene	5	10	U	10	U	NT		2	U	2	U	NT	
trans-1,3-Dichloropropylene	0.400	10	U	10	U	NT		2	U	2	U	NT	
Trichloroethylene	5	10	U	10	U	NT		2	U	2	U	NT	
Trichlorofluoromethane	5	10	U	10	U	NT		2	U	2	U	NT	
Vinyl Chloride	2	10	U	10	U	NT		2	U	2	U	NT	
Xylenes, Total	5	13,000	D	14,000	D	NT		7,800	D	8,300	D	NT	
Metals, ICP Total (ug/L)													
Aluminum	~	NT		NT		33,500		NT		NT		NT	
Barium	1,000	NT		NT		362		NT		NT		NT	
Calcium	~	NT		NT		118,000		NT		NT		NT	
Chromium	50	NT		NT		64.300		NT		NT		NT	
Cobalt	~	NT		NT		22		NT		NT		NT	
Copper	200	NT		NT		113		NT		NT		NT	
Iron	~	NT		NT		42,900		NT		NT		NT	
Lead	25	NT		NT		169		NT		NT		NT	
Magnesium	35,000	NT		NT		18,800		NT		NT		NT	
Manganese	300	NT		NT		968		NT		NT		NT	
Nickel	100	NT		NT		60		NT		NT		NT	
Potassium	~	NT		NT		12,700		NT		NT		NT	
Sodium	20,000	NT		NT		236,000		NT		NT		NT	
Vanadium	~	NT		NT		97.100		NT		NT		NT	
Zinc	2,000	NT		NT		605		NT		NT		NT	

Table 7
In-Situ Chemical Oxidation Treatability Study Report
Effectiveness Test Groundwater Analytical Results

714 East 241st Street
Bronx, New York
Langan Project NO.: 140115301

Sample ID York ID Sampling Date Client Matrix	NYSDEC TOGS Standards and Guidance Values - GA	15_GW 20I0305-31 9/4/2020 10:30:00 AM Water		16_GW 20I0305-33 9/4/2020 10:50:00 AM Water		15 16_GW 20I0305-35 9/4/2020 10:30:00 AM Water		17_GW 20I0305-37 9/4/2020 3:30:00 PM Water		18_GW 20I0305-41 9/4/2020 3:45:00 PM Water		17 18_GW 20I0305-39 9/4/2020 3:30:00 PM Water	
		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Metals, ICP Dissolved (ug/L)													
Aluminum	~	NT		NT		288		NT		NT		802	
Barium	1,000	NT		NT		122		NT		NT		422	
Calcium	~	NT		NT		111,000		NT		NT		1,080,000	
Chromium	50	NT		NT		5.560	U	NT		NT		425	
Copper	200	NT		NT		22.200	U	NT		NT		114	
Iron	~	NT		NT		278	U	NT		NT		278	U
Lead	25	NT		NT		121		NT		NT		83	
Magnesium	35,000	NT		NT		10,400		NT		NT		182	
Manganese	300	NT		NT		363		NT		NT		5.560	U
Nickel	100	NT		NT		12.900		NT		NT		11.100	U
Potassium	~	NT		NT		7,790		NT		NT		19,800	
Silver	50	NT		NT		5.560	U	NT		NT		6.230	
Sodium	20,000	NT		NT		244,000		NT		NT		2,560,000	D
Vanadium	~	NT		NT		14.300		NT		NT		270	
Zinc	2,000	NT		NT		80.700		NT		NT		85.100	
Metals, ICPMS Total (ug/L)													
Antimony	3	NT		NT		2.280		NT		NT		NT	
Arsenic	25	NT		NT		18.400		NT		NT		NT	
Beryllium	3	NT		NT		0.592		NT		NT		NT	
Cadmium	5	NT		NT		0.579		NT		NT		NT	
Selenium	10	NT		NT		4		NT		NT		NT	
Metals, ICPMS Dissolved (ug/L)													
Antimony	3	NT		NT		2.900		NT		NT		1.130	
Arsenic	25	NT		NT		10.800		NT		NT		37.500	
Selenium	10	NT		NT		3.130		NT		NT		87.300	

Table 7
In-Situ Chemical Oxidation Treatability Study Report
Effectiveness Test Groundwater Analytical Results

714 East 241st Street
Bronx, New York
Langan Project NO.: 140115301

Sample ID York ID Sampling Date Client Matrix	NYSDEC TOGS Standards and Guidance Values - GA	19_GW 2010305-43 9/4/2020 4:00:00 PM Water		20_GW 2010305-68 9/4/2020 4:10:00 PM Water		21_GW 2010305-46 9/4/2020 4:30:00 PM Water		22_GW 2010305-49 9/4/2020 4:40:00 PM Water		23_GW 2010305-19 9/3/2020 3:40:00 PM Water		24_GW 2010305-21 9/3/2020 4:00:00 PM Water	
		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
VOCs (ug/L)													
1,1,1,2-Tetrachloroethane	5	2	U	2	U	2	U	2	U	2	U	2	U
1,1,1-Trichloroethane	5	2	U	2	U	2	U	2	U	2	U	2	U
1,1,2,2-Tetrachloroethane	5	2	U	2	U	2	U	2	U	2	U	2	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon)	5	2	U	2	U	2	U	2	U	2	U	2	U
1,1,2-Trichloroethane	1	2	U	2	U	2	U	2	U	2	U	2	U
1,1-Dichloroethane	5	2	U	2	U	2	U	2	U	2	U	2	U
1,1-Dichloroethylene	5	2	U	2	U	2	U	2	U	2	U	2	U
1,2,3-Trichlorobenzene	5	2	U	2	U	2	U	2	U	2	U	2	U
1,2,3-Trichloropropane	0.0400	2	U	2	U	2	U	2	U	2	U	2	U
1,2,4-Trichlorobenzene	5	2	U	2	U	2	U	2	U	2	U	2	U
1,2,4-Trimethylbenzene	5	3,000	D	3,000	D	2,500	D	2,400	D	3,400	D	3,700	D
1,2-Dibromo-3-chloropropane	0.0400	2	U	2	U	2	U	2	U	2	U	2	U
1,2-Dibromoethane	0.00060	2	U	2	U	2	U	2	U	2	U	2	U
1,2-Dichlorobenzene	3	2	U	2	U	2	U	2	U	2	U	2	U
1,2-Dichloroethane	0.600	2	U	2	U	2	U	2	U	2	U	2	U
1,2-Dichloropropane	1	2	U	2	U	2	U	2	U	2	U	2	U
1,3,5-Trimethylbenzene	5	710	D	650	D	620	D	570	D	820	D	890	D
1,3-Dichlorobenzene	3	2	U	2	U	2	U	2	U	2	U	2	U
1,4-Dichlorobenzene	3	2	U	2	U	2	U	2	U	2	U	2	U
2-Butanone	50	900	D	970	D	990	D	960	D	330	D	310	D
2-Hexanone	50	140	D	150	D	130	D	130	D	2	U	2	U
4-Methyl-2-pentanone	~	2	U	42	D	40	D	43	D	2	U	2	U
Acetone	50	3,100	D	3,300	D	4,100	D	4,400	D	1,300	D	1,100	D
Acrolein	~	2	U	2	U	2	U	2	U	2	U	2	U
Benzene	1	170	D	140	D	29	D	23	D	130	D	110	D
Bromochloromethane	5	2	U	2	U	2	U	2	U	2	U	2	U
Bromomethane	5	2	U	2	U	2	U	2	U	2	U	2	U
Carbon disulfide	~	2	U	2	U	2	U	2	U	2	U	2	U
Carbon tetrachloride	5	2	U	2	U	2	U	2	U	2	U	2	U
Chlorobenzene	5	2	U	2	U	2	U	2	U	2	U	2	U
Chloroethane	5	2	U	2	U	2	U	2	U	2	U	2	U
Chloroform	7	2	U	2	U	2	U	2	U	2	U	2	U
Chloromethane	5	2	U	2	U	2	U	2	U	2	U	2	U
cis-1,2-Dichloroethylene	5	2	U	2	U	2	U	2	U	2	U	2	U
cis-1,3-Dichloropropylene	0.400	2	U	2	U	2	U	2	U	2	U	2	U
Cyclohexane	~	35	D	36	D	16	D	14	D	40	D	36	D
Dichlorodifluoromethane	5	2	U	2	U	2	U	2	U	2	U	2	U
Ethyl Benzene	5	790	D	670	D	580	D	440	D	640	D	640	D

Table 7
In-Situ Chemical Oxidation Treatability Study Report
Effectiveness Test Groundwater Analytical Results
714 East 241st Street
Bronx, New York
Langan Project NO.: 140115301

Sample ID York ID Sampling Date Client Matrix	NYSDEC TOGS Standards and Guidance Values - GA	19_GW 2010305-43 9/4/2020 4:00:00 PM Water		20_GW 2010305-68 9/4/2020 4:10:00 PM Water		21_GW 2010305-46 9/4/2020 4:30:00 PM Water		22_GW 2010305-49 9/4/2020 4:40:00 PM Water		23_GW 2010305-19 9/3/2020 3:40:00 PM Water		24_GW 2010305-21 9/3/2020 4:00:00 PM Water	
		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Hexachlorobutadiene	0.500	2	U	2	U	2	U	2	U	2	U	2	U
Isopropylbenzene	5	130	D	120	D	110	D	96	D	140	D	140	D
Methyl tert-butyl ether (MTBE)	10	2,000	D	2,000	D	1,200	D	1,100	D	900	D	860	D
Methylcyclohexane	~	110	D	85	D	59	D	51	D	180	D	200	D
Methylene chloride	5	10	U	10	U	10	U	10	U	10	U	10	U
n-Butylbenzene	5	29	D	26	D	26	D	25	D	43	D	68	D
n-Propylbenzene	5	340	D	310	D	300	D	270	D	390	D	420	D
o-Xylene	5	1,200	D	980	D	830	D	620	D	1,000	D	1,100	D
p- & m- Xylenes	5	3,000	D	2,500	D	2,300	D	1,700	D	2,800	D	2,900	D
p-Isopropyltoluene	5	13	D	12	D	12	D	12	D	19	D	23	D
sec-Butylbenzene	5	22	D	20	D	20	D	20	D	32	D	38	D
Styrene	5	2	U	2	U	2	U	2	U	2	U	2	U
tert-Butyl alcohol (TBA)	~	5	U	5	U	5	U	5	U	5	U	5	U
tert-Butylbenzene	5	2	U	2	U	2	U	2	U	2	U	2	U
Tetrachloroethylene	5	2	U	2	U	2	U	2	U	2	U	2	U
Toluene	5	580	D	450	D	200	D	120	D	340	D	310	D
trans-1,2-Dichloroethylene	5	2	U	2	U	2	U	2	U	2	U	2	U
trans-1,3-Dichloropropylene	0.400	2	U	2	U	2	U	2	U	2	U	2	U
Trichloroethylene	5	2	U	2	U	2	U	2	U	2	U	2	U
Trichlorofluoromethane	5	2	U	2	U	2	U	2	U	2	U	2	U
Vinyl Chloride	2	2	U	2	U	2	U	2	U	2	U	2	U
Xylenes, Total	5	4,200	D	3,500	D	3,100	D	2,400	D	3,800	D	4,000	D
Metals, ICP Total (ug/L)													
Aluminum	~	NT		NT		NT		NT		NT		NT	
Barium	1,000	NT		NT		NT		NT		NT		NT	
Calcium	~	NT		NT		NT		NT		NT		NT	
Chromium	50	NT		NT		NT		NT		NT		NT	
Cobalt	~	NT		NT		NT		NT		NT		NT	
Copper	200	NT		NT		NT		NT		NT		NT	
Iron	~	NT		NT		NT		NT		NT		NT	
Lead	25	NT		NT		NT		NT		NT		NT	
Magnesium	35,000	NT		NT		NT		NT		NT		NT	
Manganese	300	NT		NT		NT		NT		NT		NT	
Nickel	100	NT		NT		NT		NT		NT		NT	
Potassium	~	NT		NT		NT		NT		NT		NT	
Sodium	20,000	NT		NT		NT		NT		NT		NT	
Vanadium	~	NT		NT		NT		NT		NT		NT	
Zinc	2,000	NT		NT		NT		NT		NT		NT	

Table 7
In-Situ Chemical Oxidation Treatability Study Report
Effectiveness Test Groundwater Analytical Results
714 East 241st Street
Bronx, New York
Langan Project NO.: 140115301

Sample ID York ID Sampling Date Client Matrix	NYSDEC TOGS Standards and Guidance Values - GA	19_GW 2010305-43 9/4/2020 4:00:00 PM Water		20_GW 2010305-68 9/4/2020 4:10:00 PM Water		21_GW 2010305-46 9/4/2020 4:30:00 PM Water		22_GW 2010305-49 9/4/2020 4:40:00 PM Water		23_GW 2010305-19 9/3/2020 3:40:00 PM Water		24_GW 2010305-21 9/3/2020 4:00:00 PM Water	
		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Metals, ICP Dissolved (ug/L)													
Aluminum	~	NT		NT		NT		NT		NT		NT	
Barium	1,000	NT		NT		NT		NT		NT		NT	
Calcium	~	NT		NT		NT		NT		NT		NT	
Chromium	50	NT		NT		NT		NT		NT		NT	
Copper	200	NT		NT		NT		NT		NT		NT	
Iron	~	NT		NT		NT		NT		NT		NT	
Lead	25	NT		NT		NT		NT		NT		NT	
Magnesium	35,000	NT		NT		NT		NT		NT		NT	
Manganese	300	NT		NT		NT		NT		NT		NT	
Nickel	100	NT		NT		NT		NT		NT		NT	
Potassium	~	NT		NT		NT		NT		NT		NT	
Silver	50	NT		NT		NT		NT		NT		NT	
Sodium	20,000	NT		NT		NT		NT		NT		NT	
Vanadium	~	NT		NT		NT		NT		NT		NT	
Zinc	2,000	NT		NT		NT		NT		NT		NT	
Metals, ICPMS Total (ug/L)													
Antimony	3	NT		NT		NT		NT		NT		NT	
Arsenic	25	NT		NT		NT		NT		NT		NT	
Beryllium	3	NT		NT		NT		NT		NT		NT	
Cadmium	5	NT		NT		NT		NT		NT		NT	
Selenium	10	NT		NT		NT		NT		NT		NT	
Metals, ICPMS Dissolved (ug/L)													
Antimony	3	NT		NT		NT		NT		NT		NT	
Arsenic	25	NT		NT		NT		NT		NT		NT	
Selenium	10	NT		NT		NT		NT		NT		NT	

Table 7
In-Situ Chemical Oxidation Treatability Study Report
Effectiveness Test Groundwater Analytical Results
714 East 241st Street
Bronx, New York
Langan Project NO.: 140115301

Sample ID York ID Sampling Date Client Matrix	NYSDEC TOGS Standards and Guidance Values - GA	23 24_GW 2010305-23 9/3/2020 3:40:00 PM Water		25_GW 2010305-25 9/4/2020 11:00:00 AM Water		26_GW 2010305-27 9/4/2020 11:30:00 AM Water		25 26_GW 2010305-29 9/4/2020 11:00:00 AM Water	
		Result	Q	Result	Q	Result	Q	Result	Q
VOCs (ug/L)									
1,1,1,2-Tetrachloroethane	5	NT		0.200	U	0.200	U	NT	
1,1,1-Trichloroethane	5	NT		0.200	U	0.200	U	NT	
1,1,2,2-Tetrachloroethane	5	NT		0.200	U	0.200	U	NT	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon)	5	NT		0.200	U	0.200	U	NT	
1,1,2-Trichloroethane	1	NT		0.200	U	0.200	U	NT	
1,1-Dichloroethane	5	NT		0.200	U	0.200	U	NT	
1,1-Dichloroethylene	5	NT		0.200	U	0.200	U	NT	
1,2,3-Trichlorobenzene	5	NT		0.200	U	0.200	U	NT	
1,2,3-Trichloropropane	0.0400	NT		0.200	U	0.200	U	NT	
1,2,4-Trichlorobenzene	5	NT		0.200	U	0.200	U	NT	
1,2,4-Trimethylbenzene	5	NT		57		150		NT	
1,2-Dibromo-3-chloropropane	0.0400	NT		0.200	U	0.200	U	NT	
1,2-Dibromoethane	0.00060	NT		0.200	U	0.200	U	NT	
1,2-Dichlorobenzene	3	NT		0.200	U	0.200	U	NT	
1,2-Dichloroethane	0.600	NT		0.200	U	0.200	U	NT	
1,2-Dichloropropane	1	NT		0.200	U	0.200	U	NT	
1,3,5-Trimethylbenzene	5	NT		27		50		NT	
1,3-Dichlorobenzene	3	NT		0.200	U	0.200	U	NT	
1,4-Dichlorobenzene	3	NT		0.200	U	0.200	U	NT	
2-Butanone	50	NT		48		64		NT	
2-Hexanone	50	NT		0.200	U	0.200	U	NT	
4-Methyl-2-pentanone	~	NT		0.200	U	0.200	U	NT	
Acetone	50	NT		600	D	610	D	NT	
Acrolein	~	NT		0.200	U	0.200	U	NT	
Benzene	1	NT		0.890		1.500		NT	
Bromochloromethane	5	NT		0.200	U	0.200	U	NT	
Bromomethane	5	NT		0.460	J	0.790		NT	
Carbon disulfide	~	NT		0.200	U	0.200	U	NT	
Carbon tetrachloride	5	NT		0.200	U	0.200	U	NT	
Chlorobenzene	5	NT		0.200	U	0.200	U	NT	
Chloroethane	5	NT		0.200	U	0.200	U	NT	
Chloroform	7	NT		0.200	U	0.200	U	NT	
Chloromethane	5	NT		0.200	U	0.210	J	NT	
cis-1,2-Dichloroethylene	5	NT		0.200	U	0.200	U	NT	
cis-1,3-Dichloropropylene	0.400	NT		0.200	U	0.200	U	NT	
Cyclohexane	~	NT		0.200	U	0.710		NT	
Dichlorodifluoromethane	5	NT		0.200	U	0.200	U	NT	
Ethyl Benzene	5	NT		4		20		NT	

Table 7
In-Situ Chemical Oxidation Treatability Study Report
Effectiveness Test Groundwater Analytical Results
714 East 241st Street
Bronx, New York
Langan Project NO.: 140115301

Sample ID York ID Sampling Date Client Matrix	NYSDEC TOGS Standards and Guidance Values - GA	23 24_GW 2010305-23 9/3/2020 3:40:00 PM Water		25_GW 2010305-25 9/4/2020 11:00:00 AM Water		26_GW 2010305-27 9/4/2020 11:30:00 AM Water		25 26_GW 2010305-29 9/4/2020 11:00:00 AM Water	
		Result	Q	Result	Q	Result	Q	Result	Q
Hexachlorobutadiene	0.500	NT		0.200	U	0.200	U	NT	
Isopropylbenzene	5	NT		5.600		8.700		NT	
Methyl tert-butyl ether (MTBE)	10	NT		0.200	U	0.200	U	NT	
Methylcyclohexane	~	NT		20		9.500		NT	
Methylene chloride	5	NT		1	U	1	U	NT	
n-Butylbenzene	5	NT		7		4.600		NT	
n-Propylbenzene	5	NT		19		25		NT	
o-Xylene	5	NT		4.900		30		NT	
p- & m- Xylenes	5	NT		18		95		NT	
p-Isopropyltoluene	5	NT		2.500		2		NT	
sec-Butylbenzene	5	NT		5.500		4		NT	
Styrene	5	NT		0.200	U	0.200	U	NT	
tert-Butyl alcohol (TBA)	~	NT		0.500	U	0.500	U	NT	
tert-Butylbenzene	5	NT		0.340	J	0.290	J	NT	
Tetrachloroethylene	5	NT		0.200	U	0.200	U	NT	
Toluene	5	NT		1.500		5.600		NT	
trans-1,2-Dichloroethylene	5	NT		0.200	U	0.200	U	NT	
trans-1,3-Dichloropropylene	0.400	NT		0.200	U	0.200	U	NT	
Trichloroethylene	5	NT		0.200	U	0.200	U	NT	
Trichlorofluoromethane	5	NT		0.200	U	0.200	U	NT	
Vinyl Chloride	2	NT		0.200	U	0.200	U	NT	
Xylenes, Total	5	NT		23		130		NT	
Metals, ICP Total (ug/L)									
Aluminum	~	NT		NT		NT		NT	
Barium	1,000	NT		NT		NT		NT	
Calcium	~	NT		NT		NT		NT	
Chromium	50	NT		NT		NT		NT	
Cobalt	~	NT		NT		NT		NT	
Copper	200	NT		NT		NT		NT	
Iron	~	NT		NT		NT		NT	
Lead	25	NT		NT		NT		NT	
Magnesium	35,000	NT		NT		NT		NT	
Manganese	300	NT		NT		NT		NT	
Nickel	100	NT		NT		NT		NT	
Potassium	~	NT		NT		NT		NT	
Sodium	20,000	NT		NT		NT		NT	
Vanadium	~	NT		NT		NT		NT	
Zinc	2,000	NT		NT		NT		NT	

Table 7
In-Situ Chemical Oxidation Treatability Study Report
Effectiveness Test Groundwater Analytical Results
714 East 241st Street
Bronx, New York
Langan Project NO.: 140115301

Sample ID York ID Sampling Date Client Matrix	NYSDEC TOGS Standards and Guidance Values - GA	23_24_GW 2010305-23 9/3/2020 3:40:00 PM Water		25_GW 2010305-25 9/4/2020 11:00:00 AM Water		26_GW 2010305-27 9/4/2020 11:30:00 AM Water		25_26_GW 2010305-29 9/4/2020 11:00:00 AM Water	
		Result	Q	Result	Q	Result	Q	Result	Q
Metals, ICP Dissolved (ug/L)									
Aluminum	~	9,990		NT		NT		167,000	
Barium	1,000	119		NT		NT		53.600	
Calcium	~	56,500		NT		NT		14,500	
Chromium	50	203		NT		NT		756	
Copper	200	383		NT		NT		117	
Iron	~	278	U	NT		NT		278	U
Lead	25	35.400		NT		NT		5.560	U
Magnesium	35,000	55.600	U	NT		NT		55.600	U
Manganese	300	7.200		NT		NT		5.560	U
Nickel	100	11.100	U	NT		NT		11.100	
Potassium	~	15,600		NT		NT		40,600	
Silver	50	5.560	U	NT		NT		5.560	U
Sodium	20,000	6,050,000	D	NT		NT		31,900,000	D
Vanadium	~	1,460		NT		NT		2,400	
Zinc	2,000	27.800	U	NT		NT		250	
Metals, ICPMS Total (ug/L)									
Antimony	3	NT		NT		NT		NT	
Arsenic	25	NT		NT		NT		NT	
Beryllium	3	NT		NT		NT		NT	
Cadmium	5	NT		NT		NT		NT	
Selenium	10	NT		NT		NT		NT	
Metals, ICPMS Dissolved (ug/L)									
Antimony	3	6.400		NT		NT		4.710	
Arsenic	25	243		NT		NT		867	
Selenium	10	129		NT		NT		262	

Table 7
In-Situ Chemical Oxidation Treatability Study Report
Effectiveness Test Groundwater Analytical Results

714 East 241st Street
Bronx, New York
Langan Project No.: 140115301

NOTES:

Any Regulatory Exceedences are color coded by Regulation

Q is the Qualifier Column with definitions as follows:

D=result is from an analysis that required a dilution

J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated

U=analyte not detected at or above the level indicated

B=analyte found in the analysis batch blank

E=result is estimated and cannot be accurately reported due to levels encountered or interferences

P=this flag is used for pesticide and PCB (Aroclor) target compounds when there is a % difference for detected concentrations that exceed method dictated limits between the two GC columns used for analysis

NT=this indicates the analyte was not a target for this sample

~=this indicates that no regulatory limit has been established for this analyte

Indicates exceedance of the TOGS Standards and Guidance Values

Table 8A
In Situ Chemical Oxidation Treatability Study
Treatment Area 1 Effectiveness Test Mass Calculations
714 East 241st Street
Bronx, New York
Langan Project No.: 140115301

Treatment Type	Contaminant	Average Groundwater Concentration (µg/L)	Average Groundwater Mass (mg)	Average Groundwater Mass Reduction (%)	Total Groundwater VOC Mass Reduction (%)	Average Soil Concentration (mg/kg)	Average Soil Mass (mg)	Average Soil Mass Reduction (%)	Total Soil VOC Mass Reduction (%)	Average Total Mass (mg)	Average Total Mass Reduction (%)	Total VOC Mass Reduction (%)
Control (Jar 15+16)	1,2,4-Trimethylbenzene	4,550	1.388	-	-	10.02	3.010	-	-	4.398	-	-
	1,3,5-Trimethylbenzene	1,300	0.397	-		4.50	1.352	-		1.749	-	
	Benzene	3,800	1.159	-		0.47	0.141	-		1.301	-	
	Ethyl Benzene	680	0.207	-		0.95	0.286	-		0.493	-	
	Isopropylbenzene	170	0.052	-		0.35	0.107	-		0.158	-	
	Methyl tert-butyl ether (MTBE)	3,050	0.931	-		0.46	0.137	-		1.067	-	
	n-Butylbenzene	42	0.013	-		0.90	0.270	-		0.283	-	
	n-Propylbenzene	140	0.043	-		0.85	0.256	-		0.298	-	
	p-Isopropyltoluene	24	0.007	-		0.13	0.039	-		0.046	-	
	sec-Butylbenzene	41	0.013	-		0.12	0.036	-		0.049	-	
	Toluene	6,450	1.968	-		1.87	0.561	-		2.529	-	
Xylenes, Total	13,500	4.119	-	15.00	4.507	-	8.626	-				
Klozer CR_Low (Jar 17+18)	1,2,4-Trimethylbenzene	3,750	1.013	27%	50%	19.00	5.690	-89%	-22%	6.703	-52%	14%
	1,3,5-Trimethylbenzene	810	0.219	45%		5.05	1.512	-12%		1.731	1%	
	Benzene	425	0.115	90%		0.13	0.037	73%		0.152	88%	
	Ethyl Benzene	1,250	0.338	-63%		2.00	0.599	-110%		0.937	-90%	
	Isopropylbenzene	145	0.039	24%		0.62	0.186	-74%		0.225	-42%	
	Methyl tert-butyl ether (MTBE)	2,500	0.676	27%		0.41	0.123	10%		0.798	25%	
	n-Butylbenzene	25	0.007	47%		0.88	0.264	3%		0.270	5%	
	n-Propylbenzene	375	0.101	-137%		2.25	0.674	-163%		0.775	-160%	
	p-Isopropyltoluene	14	0.004	50%		0.13	0.038	3%		0.041	11%	
	sec-Butylbenzene	22	0.006	52%		0.23	0.070	-94%		0.076	-56%	
	Toluene	1,500	0.405	79%		0.87	0.261	54%		0.666	74%	
Xylenes, Total	8,050	2.176	47%	12.00	3.593	20%	5.769	33%				
Klozer CR_Medium (Jar 19+20)	1,2,4-Trimethylbenzene	3,000	0.803	42%	70%	17.50	5.249	-74%	-10%	6.053	-38%	29%
	1,3,5-Trimethylbenzene	680	0.182	54%		5.35	1.605	-19%		1.787	-2%	
	Benzene	155	0.042	96%		0.26	0.078	45%		0.119	91%	
	Ethyl Benzene	730	0.195	6%		1.35	0.405	-42%		0.600	-22%	
	Isopropylbenzene	125	0.033	35%		0.66	0.196	-84%		0.230	-45%	
	Methyl tert-butyl ether (MTBE)	2,000	0.536	42%		0.48	0.142	-4%		0.678	36%	
	n-Butylbenzene	28	0.007	43%		2.10	0.630	-133%		0.637	-125%	
	n-Propylbenzene	325	0.087	-104%		2.50	0.750	-193%		0.837	-180%	
	p-Isopropyltoluene	13	0.003	54%		0.27	0.081	-107%		0.084	-82%	
	sec-Butylbenzene	21	0.006	55%		0.49	0.147	-306%		0.153	-213%	
	Toluene	515	0.138	93%		0.38	0.114	80%		0.252	90%	
Xylenes, Total	3,850	1.031	75%	7.95	2.385	47%	3.416	60%				

Table 8A
In Situ Chemical Oxidation Treatability Study
Treatment Area 1 Effectiveness Test Mass Calculations

714 East 241st Street
Bronx, New York
Langan Project No.: 140115301

Treatment Type	Contaminant	Average Groundwater Concentration (µg/L)	Average Groundwater Mass (mg)	Average Groundwater Mass Reduction (%)	Total Groundwater VOC Mass Reduction (%)	Average Soil Concentration (mg/kg)	Average Soil Mass (mg)	Average Soil Mass Reduction (%)	Total Soil VOC Mass Reduction (%)	Average Total Mass (mg)	Average Total Mass Reduction (%)	Total VOC Mass Reduction (%)
Klozer CR_High (Jar 21+22)	1,2,4-Trimethylbenzene	2,450	0.624	55%	80%	15.00	4.493	-49%	-11%	5.116	-16%	34%
	1,3,5-Trimethylbenzene	595	0.152	62%		6.70	2.007	-48%		2.158	-23%	
	Benzene	26	0.007	99%		0.32	0.096	32%		0.102	92%	
	Ethyl Benzene	510	0.130	37%		1.40	0.418	-46%		0.548	-11%	
	Isopropylbenzene	103	0.026	49%		0.78	0.232	-118%		0.258	-63%	
	Methyl tert-butyl ether (MTBE)	1,150	0.293	69%		0.41	0.123	10%		0.416	61%	
	n-Butylbenzene	26	0.006	49%		2.75	0.824	-205%		0.830	-193%	
	n-Propylbenzene	285	0.073	-70%		3.10	0.928	-263%		1.001	-235%	
	p-Isopropyltoluene	12	0.003	58%		0.38	0.114	-191%		0.117	-152%	
	sec-Butylbenzene	20	0.005	59%		0.62	0.186	-413%		0.191	-292%	
	Toluene	160	0.041	98%		0.32	0.096	83%		0.137	95%	
	Xylenes, Total	2,750	0.700	83%		7.95	2.381	47%		3.081	64%	
Sodium Persulfate_Low (Jar 23+24)	1,2,4-Trimethylbenzene	3,550	1.100	21%	67%	13.50	4.055	-35%	8%	5.155	-17%	37%
	1,3,5-Trimethylbenzene	855	0.265	33%		4.50	1.352	0%		1.617	8%	
	Benzene	120	0.037	97%		0.22	0.065	54%		0.102	92%	
	Ethyl Benzene	640	0.198	4%		1.25	0.376	-31%		0.574	-16%	
	Isopropylbenzene	140	0.043	16%		0.62	0.186	-75%		0.230	-45%	
	Methyl tert-butyl ether (MTBE)	880	0.273	71%		0.22	0.065	53%		0.337	68%	
	n-Butylbenzene	56	0.017	-34%		1.85	0.556	-106%		0.573	-102%	
	n-Propylbenzene	405	0.125	-194%		2.35	0.706	-176%		0.831	-179%	
	p-Isopropyltoluene	21	0.007	11%		0.24	0.071	-81%		0.077	-66%	
	sec-Butylbenzene	35	0.011	13%		0.41	0.123	-240%		0.134	-175%	
	Toluene	325	0.101	95%		0.26	0.078	86%		0.179	93%	
	Xylenes, Total	3,900	1.208	71%		7.45	2.238	50%		3.446	60%	
Sodium Persulfate_High (Jar 25+26)	1,2,4-Trimethylbenzene	104	0.031	98%	99%	1.90	0.570	81%	85%	0.601	86%	92%
	1,3,5-Trimethylbenzene	39	0.012	97%		0.79	0.237	82%		0.249	86%	
	Benzene	1	0.000	100%		0.13	0.039	72%		0.040	97%	
	Ethyl Benzene	12	0.004	98%		0.17	0.052	82%		0.056	89%	
	Isopropylbenzene	7	0.002	96%		0.15	0.046	57%		0.048	70%	
	Methyl tert-butyl ether (MTBE)	0	6.08E-05	100%		0.13	0.039	71%		0.039	96%	
	n-Butylbenzene	6	0.002	86%		0.53	0.157	42%		0.159	44%	
	n-Propylbenzene	22	0.007	84%		0.47	0.139	45%		0.146	51%	
	p-Isopropyltoluene	2	0.001	91%		0.14	0.042	-7%		0.042	9%	
	sec-Butylbenzene	5	0.001	88%		0.15	0.046	-27%		0.047	3%	
	Toluene	4	0.001	100%		0.13	0.040	93%		0.041	98%	
	Xylenes, Total	77	0.023	99%		0.60	0.178	96%		0.202	98%	

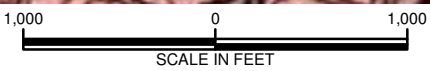
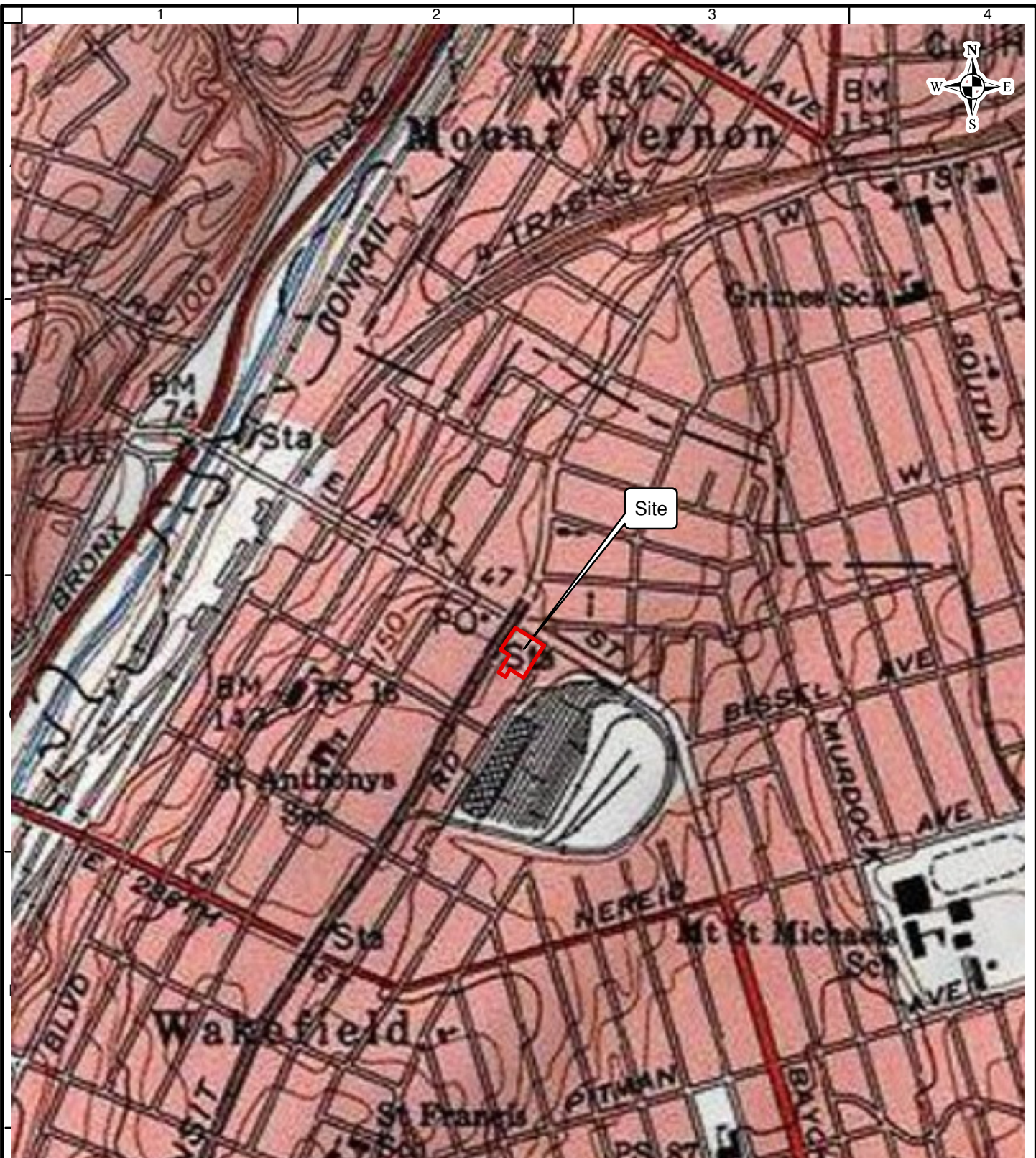
Table 8B
In Situ Chemical Oxidation Treatability Study
Treatment Area 2 Effectiveness Test Mass Calculations
714 East 241st Street
Bronx, New York
Langan Project No.: 140115301

Treatment Type	Contaminant	Average Groundwater Concentration (µg/L)	Average Groundwater Mass (mg)	Average Groundwater Mass Reduction (%)	Total Groundwater VOC Mass Reduction (%)	Average Soil Concentration (mg/kg)	Average Soil Mass (mg)	Average Soil Mass Reduction (%)	Total Soil VOC Mass Reduction (%)	Average Total Mass (mg)	Average Total Mass Reduction (%)	Total VOC Mass Reduction (%)
Control (Jar 3+4)	1,2,4-Trimethylbenzene	1,500	0.477	-	-	3.65	1.097	-	-	1.574	-	-
	1,3,5-Trimethylbenzene	450	0.143	-		1.25	0.376	-		0.519	-	
	Benzene	5,250	1.671	-		0.76	0.227	-		1.897	-	
	Ethyl Benzene	675	0.215	-		0.59	0.177	-		0.392	-	
	Isopropylbenzene	57	0.018	-		0.24	0.072	-		0.090	-	
	Methyl tert-butyl ether (MTBE)	2,850	0.907	-		0.34	0.102	-		1.009	-	
	n-Butylbenzene	17	0.005	-		0.49	0.147	-		0.152	-	
	n-Propylbenzene	140	0.045	-		0.58	0.173	-		0.217	-	
	p-Isopropyltoluene	6	0.002	-		0.24	0.072	-		0.074	-	
	sec-Butylbenzene	13	0.004	-		0.24	0.072	-		0.076	-	
	Toluene	6,950	2.211	-		1.95	0.586	-		2.797	-	
Xylenes, Total	3,900	1.241	-	3.15	0.946	-	2.187	-				
Klozer CR Low (Jar 5+6)	1,2,4-Trimethylbenzene	760	0.228	52%	82%	3.05	0.915	17%	43%	1.143	27%	67%
	1,3,5-Trimethylbenzene	205	0.061	57%		0.94	0.282	25%		0.343	34%	
	Benzene	235	0.070	96%		0.22	0.066	71%		0.136	93%	
	Ethyl Benzene	185	0.055	74%		0.27	0.080	55%		0.135	66%	
	Isopropylbenzene	31	0.009	50%		0.22	0.066	8%		0.075	17%	
	Methyl tert-butyl ether (MTBE)	1,550	0.464	49%		0.26	0.078	24%		0.542	46%	
	n-Butylbenzene	12	0.003	34%		0.41	0.123	16%		0.126	17%	
	n-Propylbenzene	110	0.033	26%		0.48	0.143	17%		0.175	19%	
	p-Isopropyltoluene	4	0.001	35%		0.22	0.066	8%		0.067	9%	
	sec-Butylbenzene	9	0.003	35%		0.22	0.066	8%		0.069	10%	
	Toluene	270	0.081	96%		0.22	0.066	89%		0.147	95%	
Xylenes, Total	885	0.265	79%	1.21	0.362	62%	0.627	71%				
Klozur CR Medium (Jar 7+8)	1,2,4-Trimethylbenzene	685	0.205	57%	87%	3.75	1.127	-3%	46%	1.332	15%	72%
	1,3,5-Trimethylbenzene	185	0.055	61%		1.10	0.331	12%		0.386	26%	
	Benzene	65	0.019	99%		0.12	0.035	85%		0.054	97%	
	Ethyl Benzene	115	0.034	84%		0.18	0.054	69%		0.089	77%	
	Isopropylbenzene	27	0.008	56%		0.14	0.043	41%		0.051	44%	
	Methyl tert-butyl ether (MTBE)	1,200	0.359	60%		0.31	0.092	10%		0.451	55%	
	n-Butylbenzene	14	0.004	20%		0.34	0.101	32%		0.105	31%	
	n-Propylbenzene	94	0.028	37%		0.37	0.111	36%		0.139	36%	
	p-Isopropyltoluene	4	0.001	36%		0.12	0.036	50%		0.038	49%	
	sec-Butylbenzene	9	0.003	31%		0.13	0.039	46%		0.042	45%	
	Toluene	79	0.024	99%		0.13	0.039	93%		0.062	98%	
Xylenes, Total	555	0.166	87%	0.65	0.195	79%	0.361	83%				

Table 8B
In Situ Chemical Oxidation Treatability Study
Treatment Area 2 Effectiveness Test Mass Calculations
714 East 241st Street
Bronx, New York
Langan Project No.: 140115301

Treatment Type	Contaminant	Average Groundwater Concentration (µg/L)	Average Groundwater Mass (mg)	Average Groundwater Mass Reduction (%)	Total Groundwater VOC Mass Reduction (%)	Average Soil Concentration (mg/kg)	Average Soil Mass (mg)	Average Soil Mass Reduction (%)	Total Soil VOC Mass Reduction (%)	Average Total Mass (mg)	Average Total Mass Reduction (%)	Total VOC Mass Reduction (%)
Klozur CR High (Jar 9+10)	1,2,4-Trimethylbenzene	415	0.116	76%	94%	2.30	0.689	37%	56%	0.805	49%	80%
	1,3,5-Trimethylbenzene	111	0.031	78%		0.71	0.211	44%		0.242	53%	
	Benzene	7	0.002	100%		0.22	0.066	71%		0.068	96%	
	Ethyl Benzene	59	0.016	92%		0.22	0.066	63%		0.082	79%	
	Isopropylbenzene	16	0.004	75%		0.22	0.066	9%		0.070	22%	
	Methyl tert-butyl ether (MTBE)	445	0.124	86%		0.22	0.066	35%		0.190	81%	
	n-Butylbenzene	8	0.002	58%		0.40	0.120	19%		0.122	20%	
	n-Propylbenzene	58	0.016	64%		0.39	0.115	33%		0.131	40%	
	p-Isopropyltoluene	3	0.001	65%		0.22	0.066	9%		0.067	10%	
	sec-Butylbenzene	6	0.002	62%		0.22	0.066	9%		0.067	11%	
	Toluene	15	0.004	100%		0.22	0.066	89%		0.070	97%	
	Xylenes, Total	295	0.082	93%		0.68	0.202	79%		0.284	87%	
Sodium Persulfate Low (Jar 11+12)	1,2,4-Trimethylbenzene	530	0.164	66%	90%	1.85	0.556	49%	61%	0.719	54%	79%
	1,3,5-Trimethylbenzene	150	0.046	68%		0.62	0.186	50%		0.233	55%	
	Benzene	57	0.017	99%		0.21	0.063	72%		0.081	96%	
	Ethyl Benzene	63	0.019	91%		0.21	0.063	64%		0.083	79%	
	Isopropylbenzene	22	0.007	63%		0.21	0.063	13%		0.070	23%	
	Methyl tert-butyl ether (MTBE)	885	0.273	70%		0.21	0.063	38%		0.336	67%	
	n-Butylbenzene	14	0.004	18%		0.41	0.122	17%		0.126	17%	
	n-Propylbenzene	79	0.024	46%		0.35	0.104	40%		0.128	41%	
	p-Isopropyltoluene	4	0.001	35%		0.21	0.063	13%		0.064	13%	
	sec-Butylbenzene	9	0.003	27%		0.21	0.063	13%		0.066	13%	
	Toluene	34	0.010	100%		0.21	0.063	89%		0.074	97%	
	Xylenes, Total	425	0.131	89%		0.63	0.189	80%		0.320	85%	
Sodium Persulfate High (Jar 13+14)	1,2,4-Trimethylbenzene	65	0.020	96%	99%	1.30	0.391	64%	65%	0.410	74%	87%
	1,3,5-Trimethylbenzene	23	0.007	95%		0.51	0.152	60%		0.159	69%	
	Benzene	1	3.70E-04	100%		0.22	0.066	71%		0.066	96%	
	Ethyl Benzene	5	0.001	99%		0.22	0.066	63%		0.068	83%	
	Isopropylbenzene	3	0.001	95%		0.22	0.066	8%		0.067	26%	
	Methyl tert-butyl ether (MTBE)	1	3.02E-04	100%		0.22	0.066	35%		0.066	93%	
	n-Butylbenzene	1	4.16E-04	92%		0.39	0.116	21%		0.116	24%	
	n-Propylbenzene	10	0.003	93%		0.31	0.092	47%		0.095	56%	
	p-Isopropyltoluene	1	2.56E-04	87%		0.22	0.066	8%		0.066	11%	
	sec-Butylbenzene	2	4.63E-04	88%		0.22	0.066	8%		0.067	13%	
	Toluene	1	4.01E-04	100%		0.22	0.066	89%		0.066	98%	
	Xylenes, Total	33	1.02E-02	99%		0.67	0.200	79%		0.210	90%	

Figures



Notes:
 Topographic basemap is provided through Langan's Esri ArcGIS software licensing and ArcGIS online © 2011 National Geographic Society, i-cubed.

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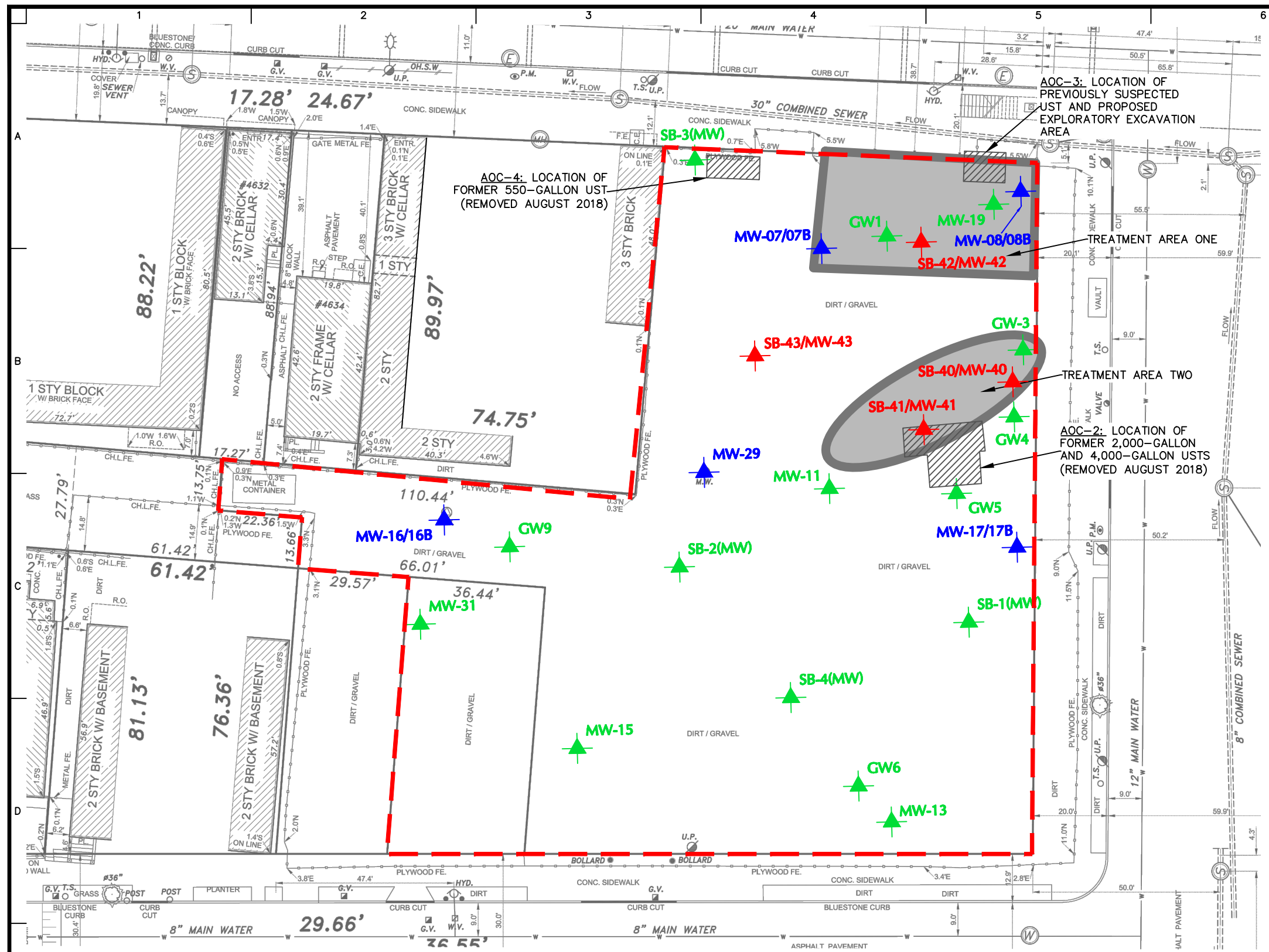
Project
**ENCLAVE ON
 241ST STREET**
 BLOCK No. 5087, LOT Nos. 1 & 9

Bronx New York

Drawing Title
**SITE
 LOCATION MAP**

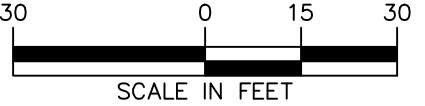
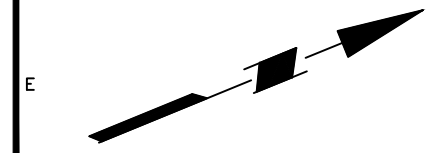
Project No.
 140115301
 Date
 JANUARY 2016
 Scale
 1"=1,000'
 Drawn By
 JPH
 Submission Date
 JANUARY 2016

Figure
 1



- ### NOTES
1. BASE MAP PROVIDED BY PERFECT POINT LAND SURVEYING RT (DATED 4 APRIL 2019).
 2. THIS PLAN SHOULD BE VIEWED AS A COLOR COPY AS THE BORING LOCATIONS AND BOUNDARIES ARE COLOR COORDINATED.
 3. AOC – AREA OF CONCERN
 4. THE TOTAL TREATMENT AREA IS APPROXIMATELY 3000 SQUARE FEET: TREATMENT AREA 1 IS ~1900 SQUARE FEET, AND AREA 2 IS ~1100 SQUARE FEET.

- ### LEGEND
- - - - - SITE BOUNDARY
 - ▲ EXISTING GROUNDWATER MONITORING WELL
 - ▲ HISTORICAL GROUNDWATER MONITORING WELL (REMOVED)
 - ▲ APPROXIMATE SOIL BORING AND GROUNDWATER MONITORING WELL LOCATION INSTALLED ON JULY 25, 2020
 - APPROXIMATE EXTENTS OF TARGET TREATMENT AREA



<p style="font-size: 0.8em;">Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. 555 Long Wharf Drive New Haven, CT 06511 T: 203.562.5771 F: 203.789.6142 www.langan.com</p>	Project	Drawing Title	Project No.	Drawing No.
	ENCLAVE ON 241ST STREET DEVELOPMENT NEW YORK NEW YORK	TREATABILITY STUDY SAMPLE LOCATION PLAN	140115301	Date OCTOBER 2020 Drawn By JRF Checked By RJW

Figure 3
In-Situ Chemical Oxidation Treatability Study Report
Baseline Soil VOC Exceedances
 714 East 241st Street
 Bronx, New York
 NYSDEC BCP Site No. C203077
 Langan Project No. 140115301

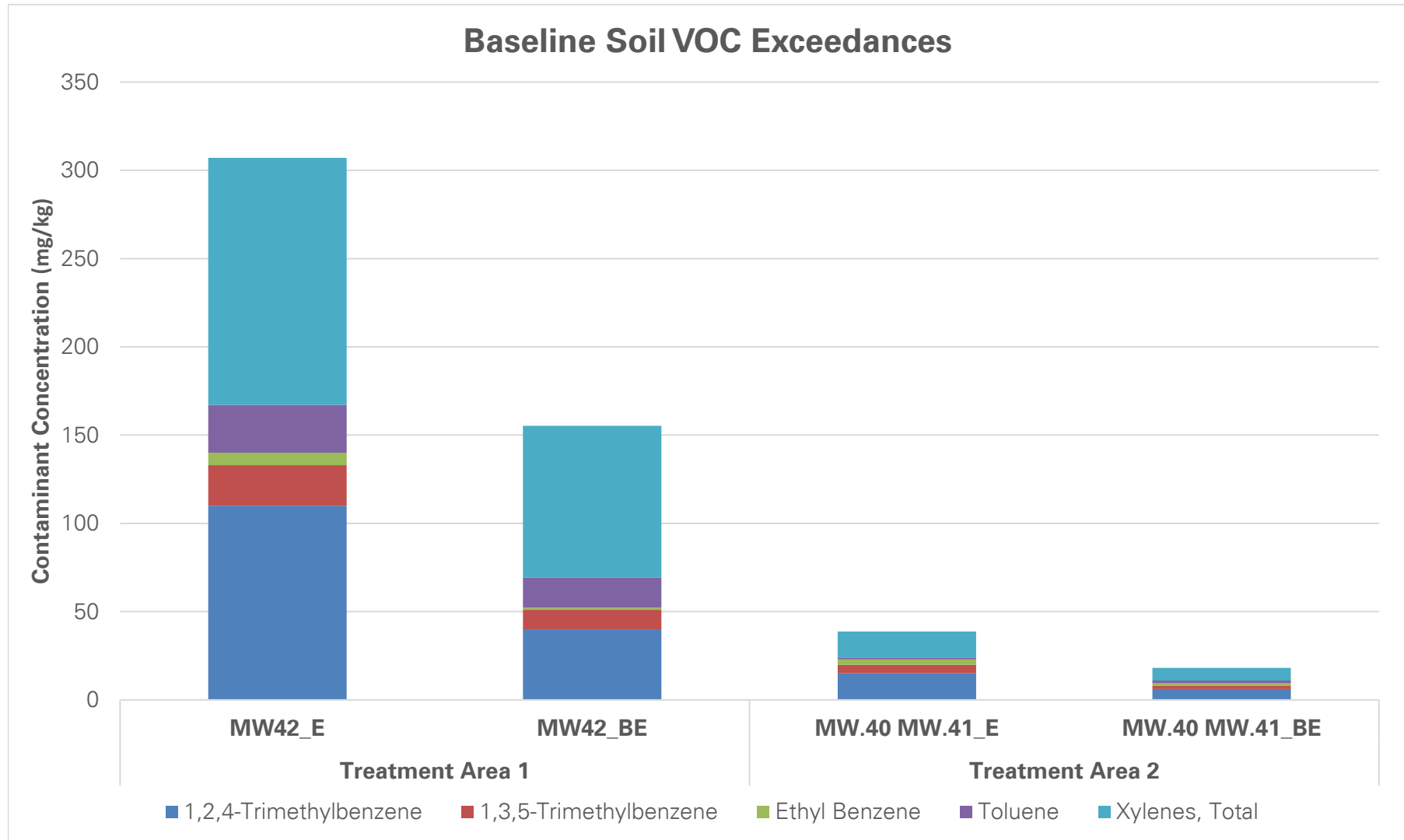


Figure 4A
In-Situ Chemical Oxidation Treatability Study Report
Treatment Area 1
Effectiveness Test Soil VOC Mass Results
 714 East 241st Street
 Bronx, New York
 Langan Project No. 140115301

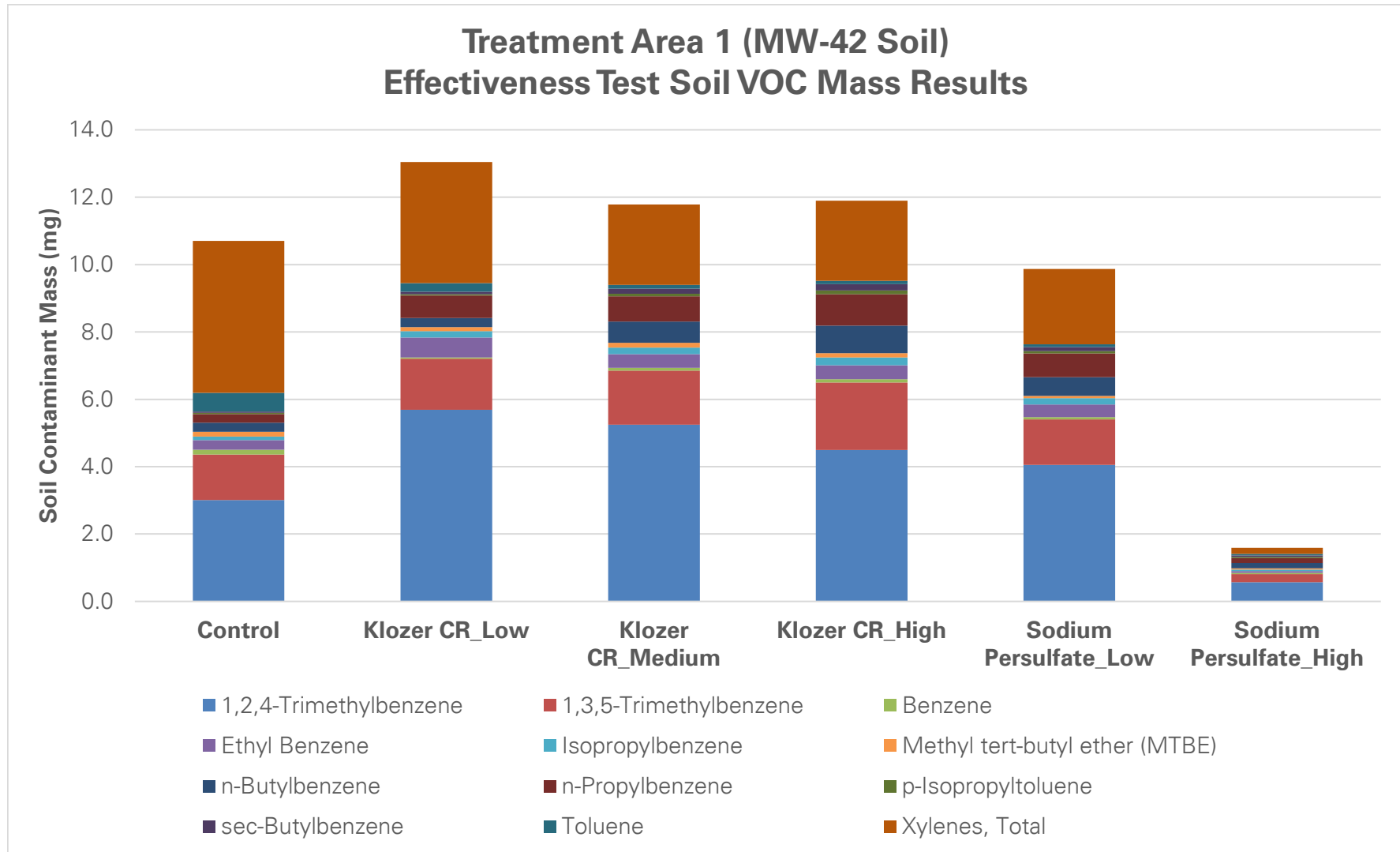


Figure 4B
In-Situ Chemical Oxidation Treatability Study Report
Treatment Area 1
Effectiveness Test Groundwater VOC Mass Results
 714 East 241st Street
 Bronx, New York
 Langan Project No. 140115301

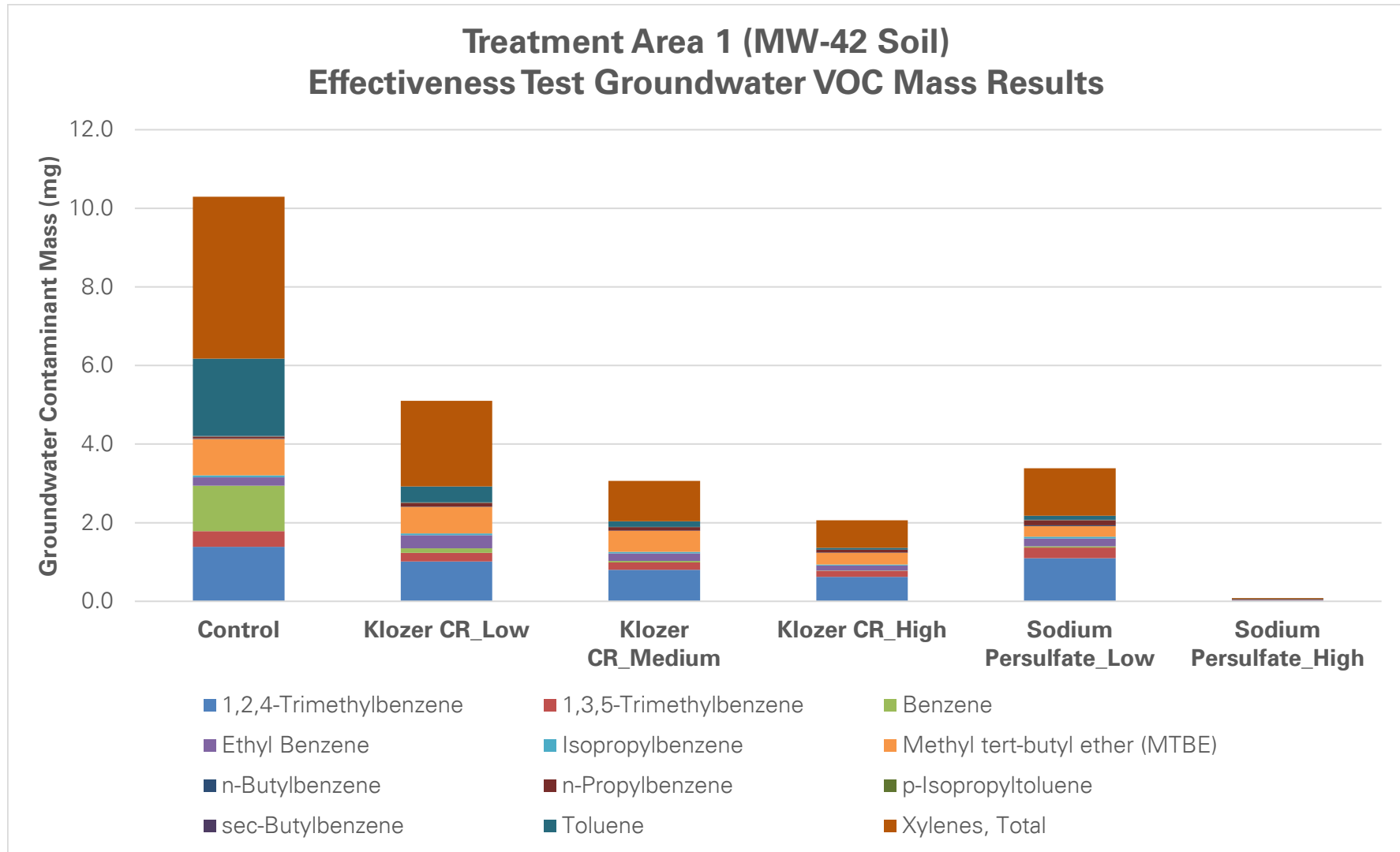


Figure 4C
In-Situ Chemical Oxidation Treatability Study Report
Treatment Area 1
Effectiveness Test Total VOC Mass Results
 714 East 241 Street
 Bronx, New York
 Langan Project No. 140115301

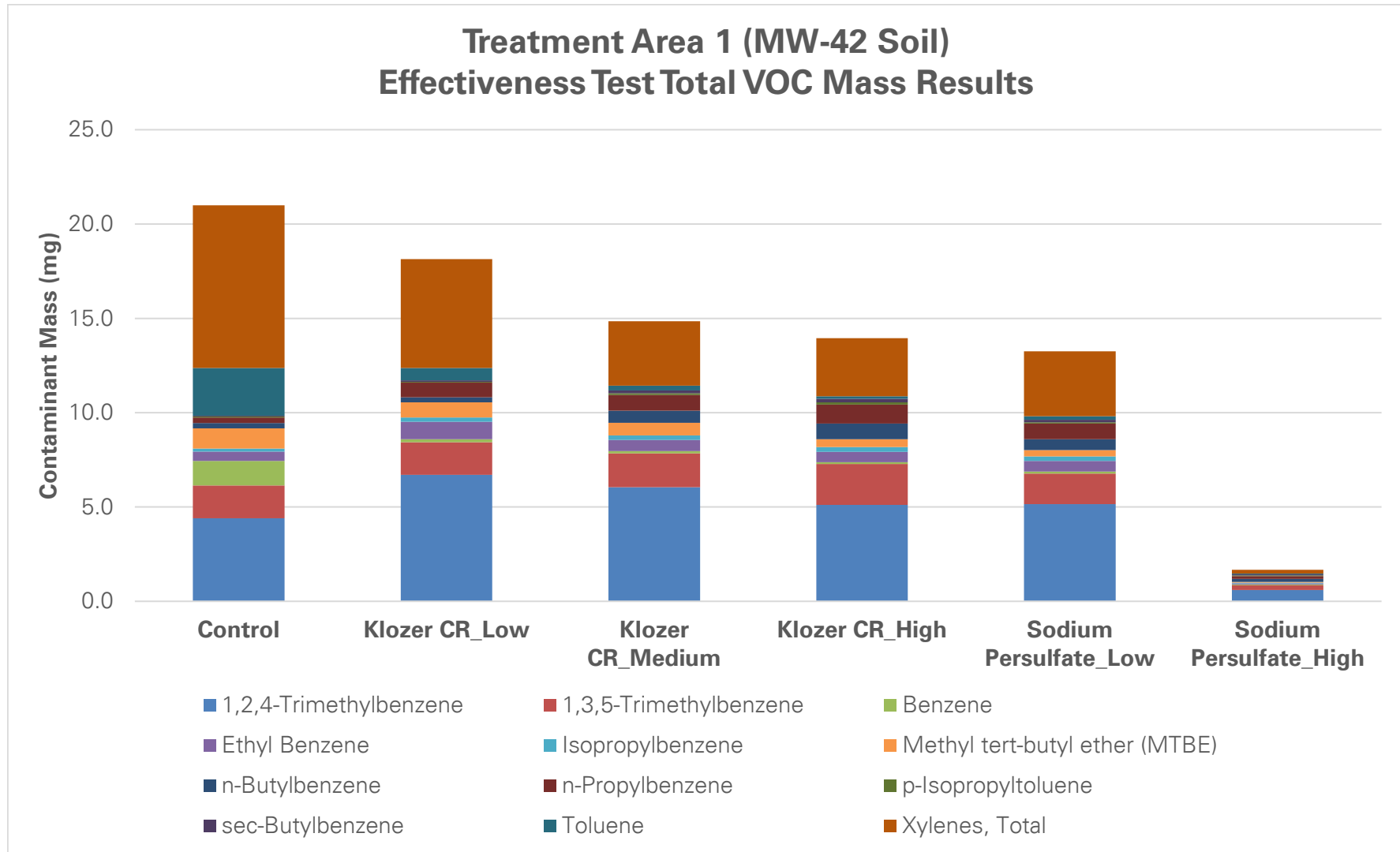


Figure 4D
In-Situ Chemical Oxidation Treatability Study Report
Treatment Area 1
Effectiveness Test Groundwater Metals
 714 East 241 Street
 Bronx, New York
 Langan Project No. 140115301

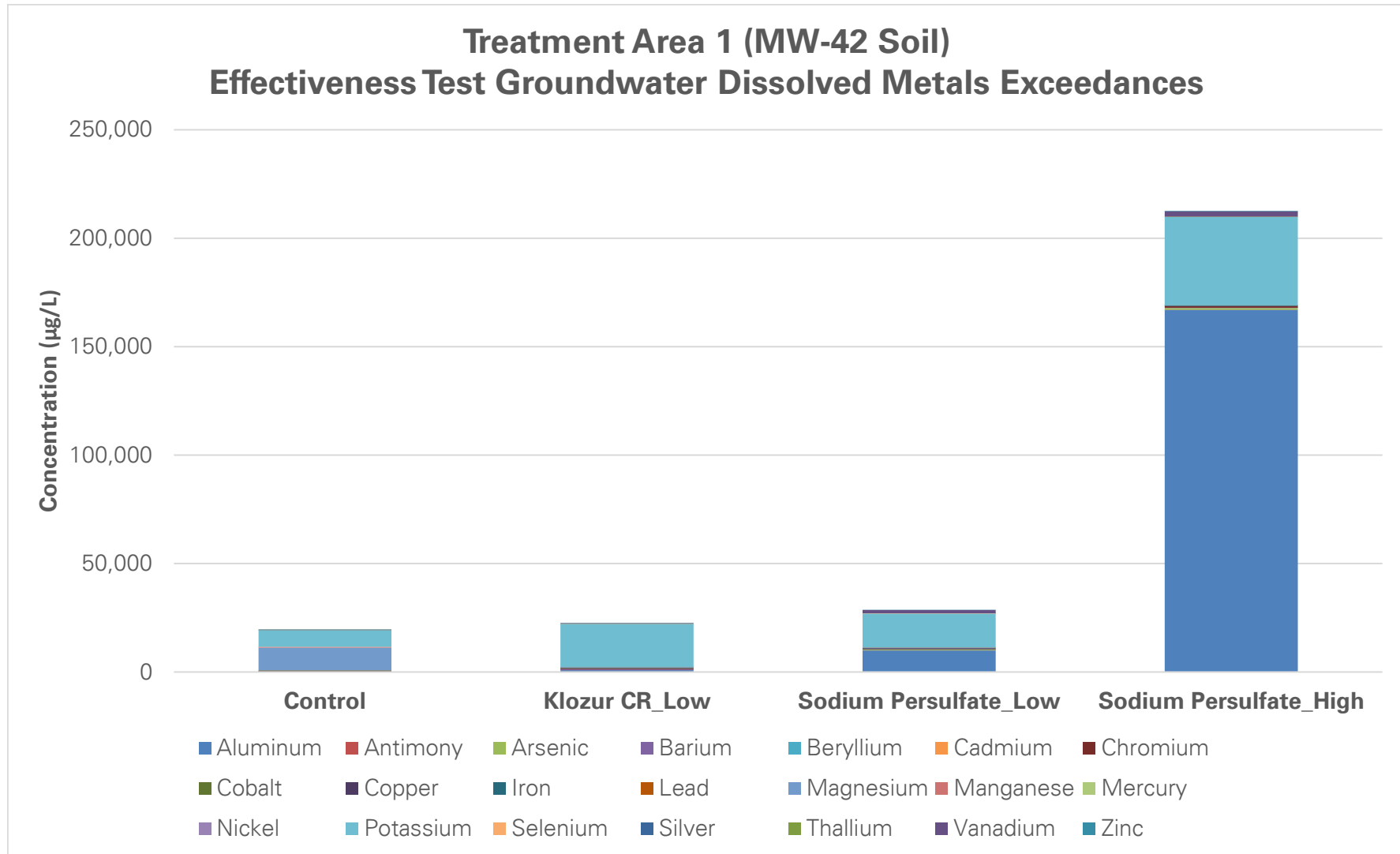


Figure 5A
In-Situ Chemical Oxidation Treatability Study Report
Treatment Area 2
Effectiveness Test Soil VOC Mass Results
 714 East 241 Street
 Bronx, New York
 Langan Project No. 140115301

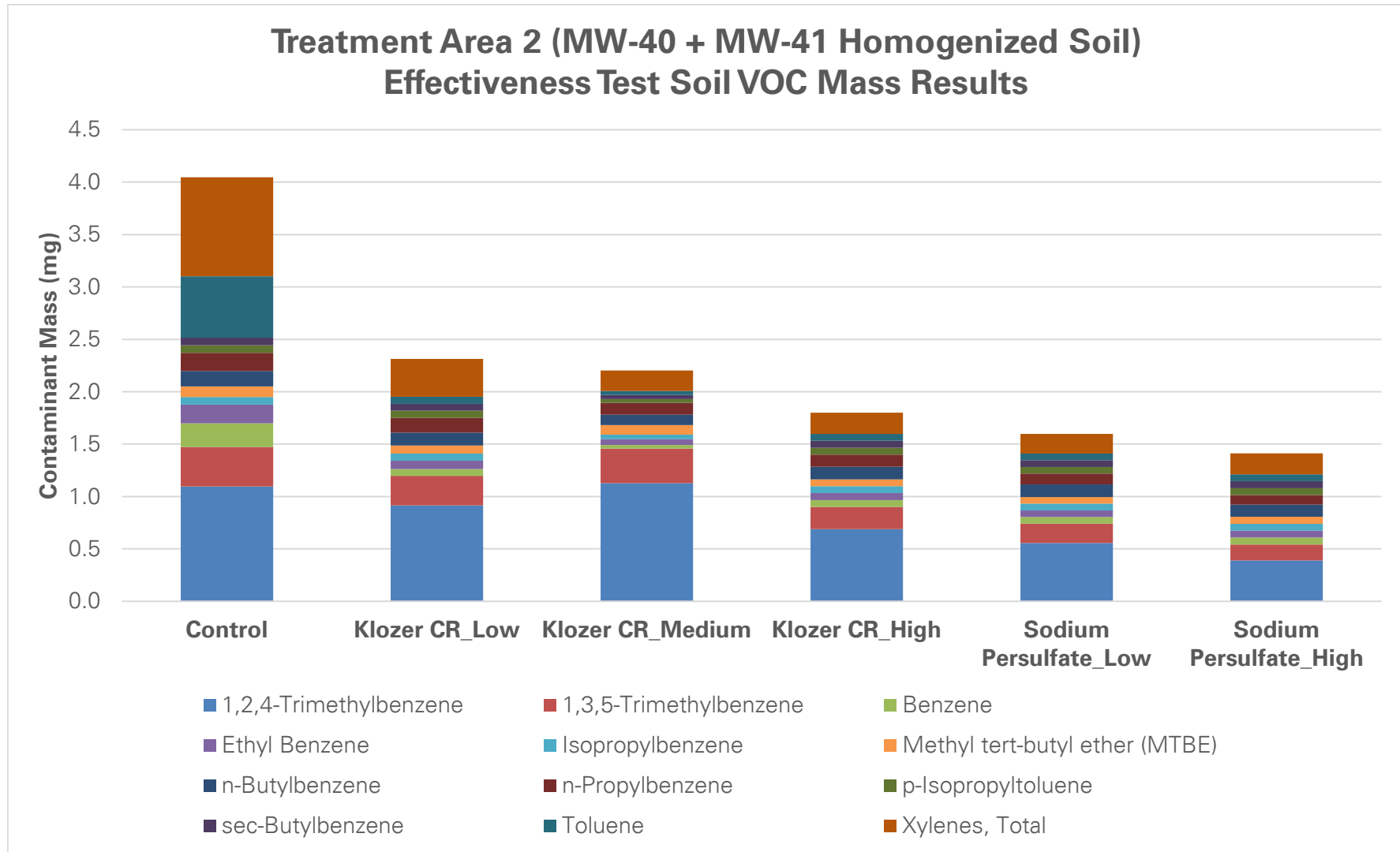


Figure 5B
In-Situ Chemical Oxidation Treatability Study Report
Treatment Area 2
Effectiveness Test Groundwater VOC Mass Results
 714 East 241 Street
 Bronx, New York
 Langan Project No. 140115301

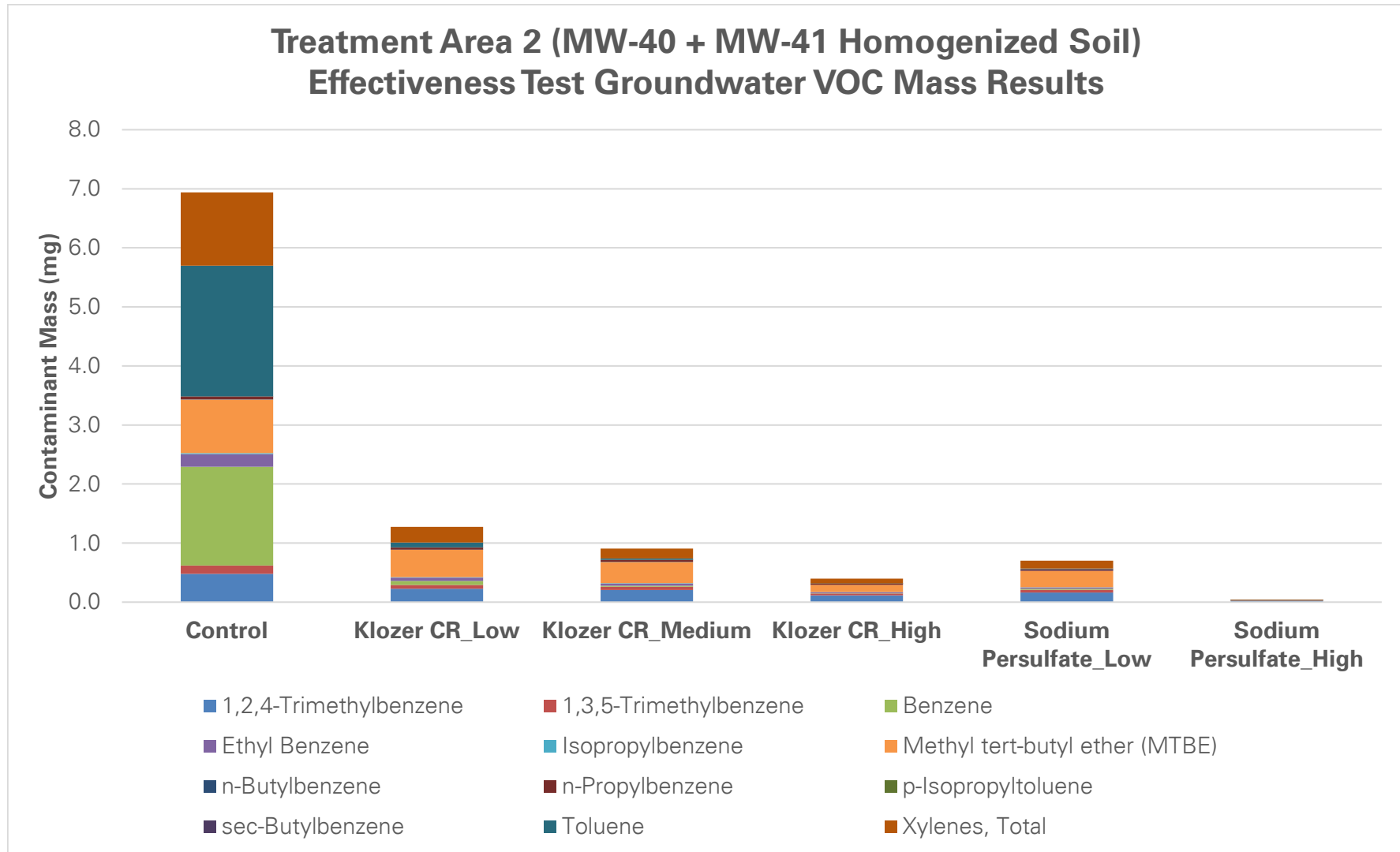


Figure 5C
In-Situ Chemical Oxidation Treatability Study Report
Treatment Area 2
Effectiveness Test Total VOC Mass Results
 714 East 241 Street
 Bronx, New York
 Langan Project No. 140115301

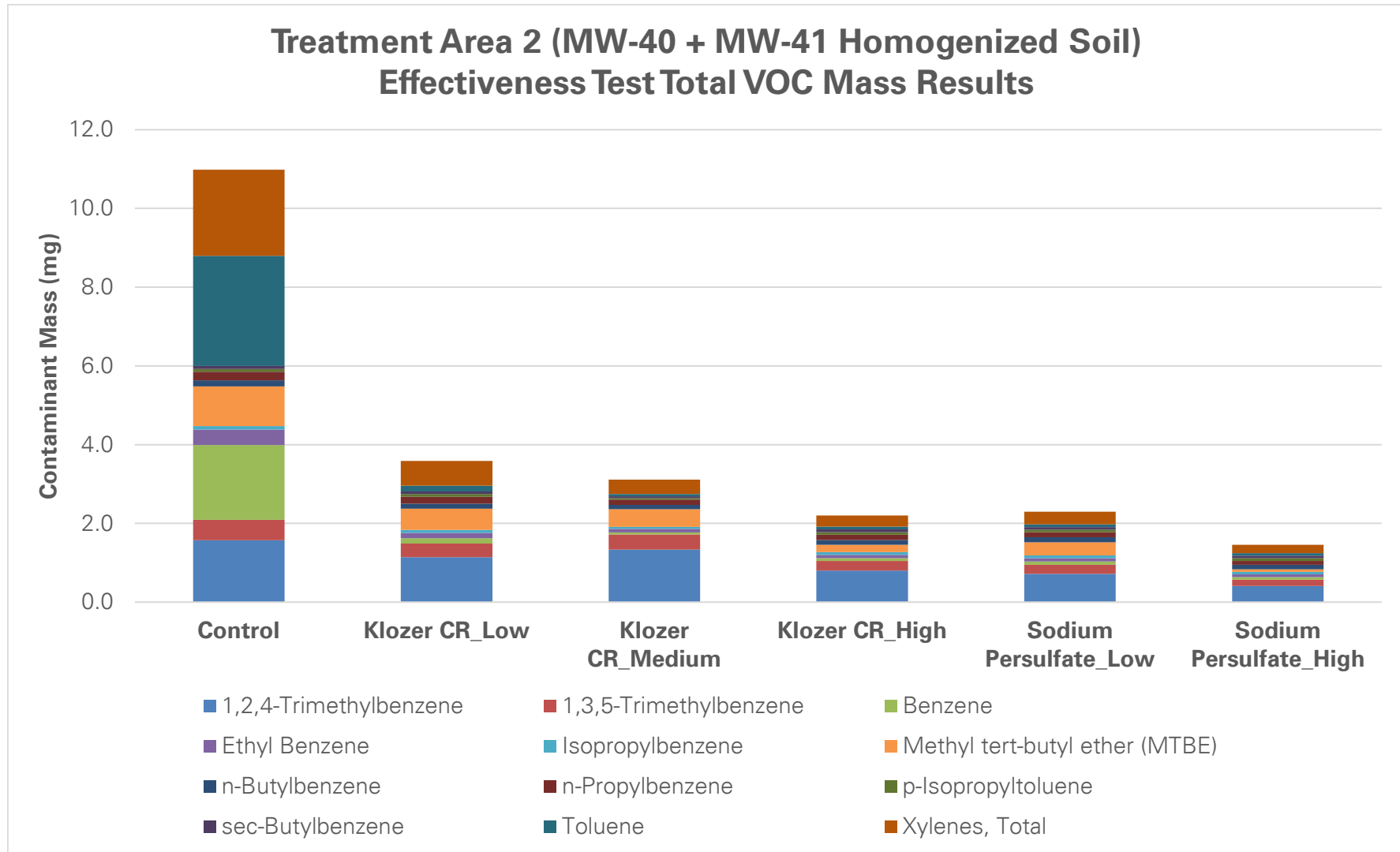
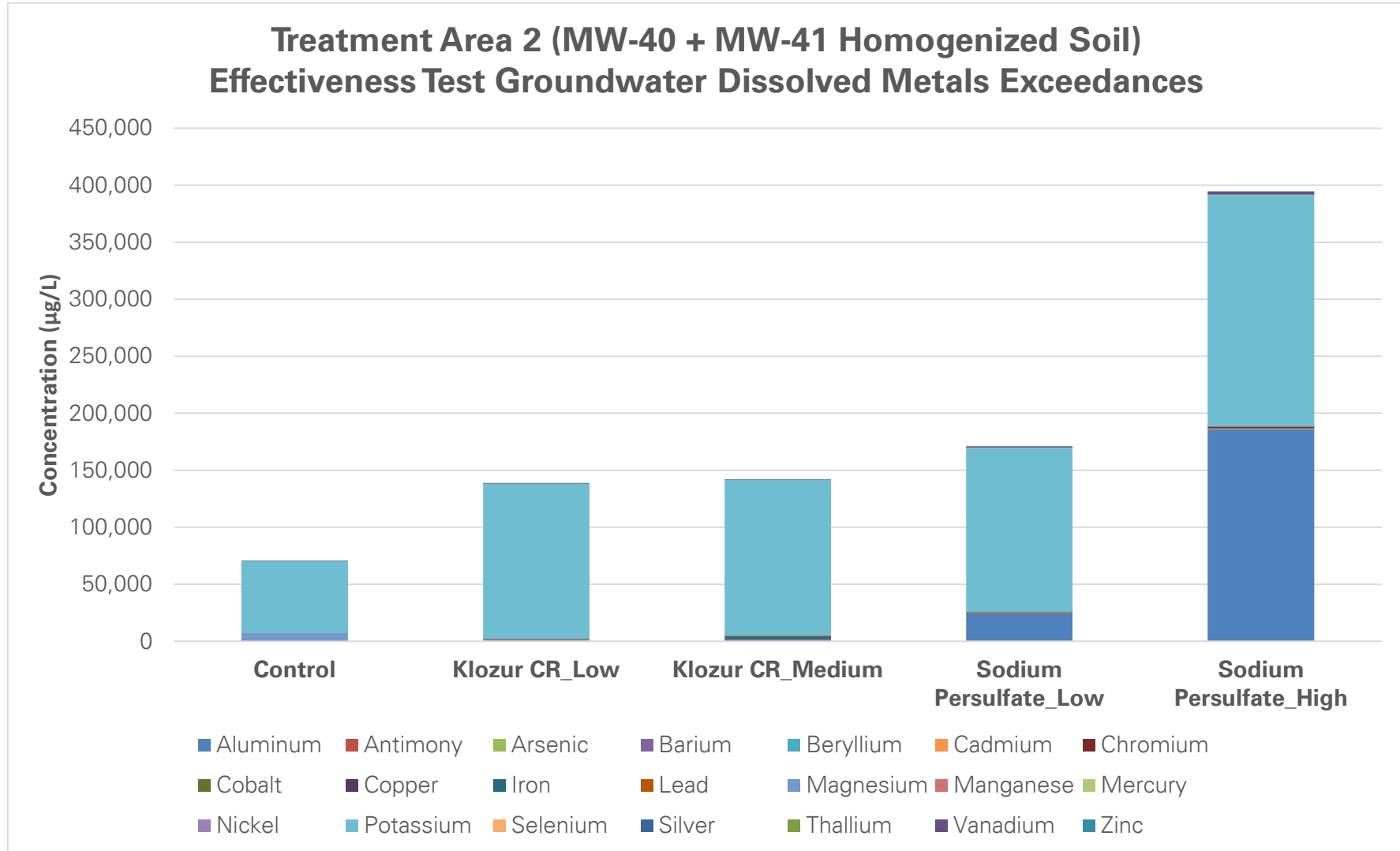


Figure 5D
In-Situ Chemical Oxidation Treatability Study Report
Treatment Area 2
Effectiveness Test Groundwater Metals
 714 East 241 Street
 Bronx, New York
 Langan Project No. 140115301



Appendices

Appendix A

Safety Data Sheets

SAFETY DATA SHEET

KLOZUR® ONE

SDS # : 7775-27-1-3
Revision date: 2017-01-31
Format: NA
Version 1



1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name KLOZUR® ONE

Other means of identification

UN/ID no UN 1505

Recommended use of the chemical and restrictions on use

Recommended Use: In situ and ex situ chemical oxidation of contaminants and compounds of concern for environmental remediation applications

Restrictions on Use No uses to be advised against were identified.

Manufacturer/Supplier

PeroxyChem LLC
2005 Market Street
Suite 3200
Philadelphia, PA 19103
Phone: +1 267/ 422-2400 (General Information)
E-Mail: sdsinfo@peroxychem.com

Emergency telephone numbers

For leak, fire, spill or accident emergencies, call:
1 800 / 424 9300 (CHEMTREC - U.S.A.)
1 703 / 527 3887 (CHEMTREC - Collect - All Other Countries)

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Oral	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2B
Respiratory sensitization	Category 1
Skin sensitization	Category 1
Specific target organ toxicity (single exposure)	Category 3
Oxidizing Solids	Category 3

GHS Label elements, including precautionary statements

EMERGENCY OVERVIEW

Danger**Hazard Statements**

H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335 - May cause respiratory irritation
H319 - Causes serious eye irritation
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H302 - Harmful if swallowed
H272 - May intensify fire; oxidizer

**Precautionary Statements - Prevention**

P261 - Avoid breathing dust.
P285 - In case of inadequate ventilation wear respiratory protection
P271 - Use only outdoors or in a well-ventilated area
P280 - Wear protective gloves/ protective clothing
P264 - Wash face, hands and any exposed skin thoroughly after handling
P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking
P220 - Keep/Store away from clothing/combustible materials
P221 - Take any precaution to avoid mixing with combustibles

Precautionary Statements - Response

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P337 + P313 - If eye irritation persists: Get medical advice/ attention
P302 + P352 - IF ON SKIN: Wash with plenty of water.
P333 + P313 - If skin irritation or rash occurs: Get medical advice/ attention
P304 + P341 - IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing
P342 + P311 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor
P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell
P330 - Rinse mouth
P370 + P378 - In case of fire: Use water spray for extinction

Precautionary Statements - Storage

P403 + P233 - Store in a well-ventilated place. Keep container tightly closed

Hazards not otherwise classified (HNOC)

No hazards not otherwise classified were identified.

Other Information Risk of decomposition by heat or by contact with incompatible materials

Unknown acute toxicity

0% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS-No	Weight %
Sodium Persulfate	7775-27-1	95
Potassium permanganate	7722-64-7	< 1
Trade secret	Proprietary	< 5

Occupational exposure limits, if available, are listed in section 8

4. FIRST AID MEASURES

General Advice	Remove from exposure, lie down. Show this material safety data sheet to the doctor in attendance.
Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids intermittently. Consult a physician.
Skin Contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention if irritation develops and persists.
Inhalation	Remove from exposure, lie down. If breathing is irregular or stopped, administer artificial respiration. Call a physician immediately.
Ingestion	Do NOT induce vomiting. Call a physician or poison control center immediately. Rinse mouth. Drink 1 or 2 glasses of water.
Most important symptoms and effects, both acute and delayed	Itching; Redness; Coughing and/ or wheezing.
Indication of immediate medical attention and special treatment needed, if necessary	Treat symptomatically

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Water. Cool containers with flooding quantities of water until well after fire is out.
Unsuitable extinguishing media	Do not use carbon dioxide or other gas filled fire extinguishers; they will have little effect on decomposing persulfate.
Specific Hazards Arising from the Chemical	Decomposes under fire conditions to release oxygen that intensifies the fire.
Explosion data	
Sensitivity to Mechanical Impact	Not sensitive.
Sensitivity to Static Discharge	Not sensitive.
Protective equipment and precautions for firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Keep off any unprotected persons. Avoid contact with the skin and the eyes. Avoid breathing dust. Wear personal protective equipment.
Other	Never add other substances or combustible waste to product residues.
Environmental Precautions	Prevent material from entering into soil, ditches, sewers, waterways, and/or groundwater. See Section 12, Ecological Information for more detailed information.

Methods for Containment Vacuum, shovel or pump waste into a drum and label contents for disposal. Avoid dust formation. Store in closed container.

Methods for cleaning up Clean up spill area and treat as special waste. Dispose of waste as indicated in Section 13.

7. HANDLING AND STORAGE

Handling Wear personal protective equipment. Use only in area provided with appropriate exhaust ventilation. Avoid dust formation. Handle product only in closed system or provide appropriate exhaust ventilation at machinery. Avoid contact with skin and eyes. Avoid breathing dust. Remove and wash contaminated clothing before re-use. Reference to other sections.

Storage Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat. Do not store near combustible materials. Avoid contamination of opened product. Keep away from food, drink and animal feedings. Avoid formation and deposition of dust.

Incompatible products Acids, alkalis, halides (fluorides, chlorides, bromides), combustible materials, reducing agents and organic compounds.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical name	ACGIH TLV	OSHA PEL	NIOSH	Mexico
Sodium Persulfate 7775-27-1	TWA: 0.1 mg/m ³	-	-	-
Potassium permanganate 7722-64-7	TWA: 0.02 mg/m ³ TWA: 0.1 mg/m ³	-	-	-
Chemical name	British Columbia	Quebec	Ontario TWAEV	Alberta
Sodium Persulfate 7775-27-1	TWA: 0.1 mg/m ³	-	TWA: 0.1 mg/m ³	TWA: 0.1 mg/m ³
Potassium permanganate 7722-64-7	TWA: 0.2 mg/m ³	TWA: 0.2 mg/m ³	TWA: 0.02 mg/m ³ respirable TWA: 0.1 mg/m ³ inhalable	TWA: 0.2 mg/m ³

Appropriate engineering controls

Engineering measures Provide local exhaust or general ventilation adequate to maintain exposures below permissible exposure limits.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Eye protection recommended. Chemical goggles consistent with EN 166 or equivalent.

Skin and Body Protection Wear long-sleeved shirt, long pants, socks, and shoes.

Hand Protection Protective gloves: Neoprene gloves, Polyvinylchloride, Natural Rubber.

Respiratory Protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn: particulate filtering facepiece respirators.

Hygiene measures Keep away from food, drink and animal feeding stuffs. Do not eat, drink or smoke when using this product. Wash hands before breaks and after shifts. Keep work clothes separate, remove contaminated clothing - launder after open handling of product.

General information Protective engineering solutions should be implemented and in use before personal protective equipment is considered.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Crystalline solid
Physical State	Solid
Color	Light tan
Odor	odorless
Odor threshold	Not applicable
pH	6.6 (1% solution)
Melting point/freezing point	180 °C (Decomposes)
Boiling Point/Range	Decomposes upon heating
Flash point	Not flammable
Evaporation Rate	No information available
Flammability (solid, gas)	Not flammable
Flammability Limit in Air	Not applicable
Upper flammability limit:	No information available
Lower flammability limit:	No information available
Vapor pressure	6.07E-30 mm Hg at 25°C
Vapor density	No information available
Density	2.59 g/cm ³ (crystal density)
Specific gravity	No information available
Water solubility	575 g/l @ 25 °C
Solubility in other solvents	No information available
Partition coefficient	No information available (inorganic)
Autoignition temperature	No evidence of combustion up to 600°C
Decomposition temperature	81 °C (SADT)
Viscosity, kinematic	No information available (Solid)
Viscosity, dynamic	No information available
Explosive properties	Not explosive
Oxidizing properties	oxidizer
Molecular weight	mixture
VOC content (%)	Not applicable
Bulk density	No information available

10. STABILITY AND REACTIVITY

Reactivity	Oxidizer. Contact with other material may cause fire
Chemical Stability	Stable under normal conditions.
Possibility of Hazardous Reactions	None under normal processing.
Hazardous polymerization	Hazardous polymerization does not occur.
Conditions to avoid	Heat. Moisture.
Incompatible materials	Acids, alkalis, halides (fluorides, chlorides, bromides), combustible materials, reducing agents and organic compounds. .
Hazardous Decomposition Products	Oxygen which supports combustion.

11. TOXICOLOGICAL INFORMATION

Product Information

Unknown acute toxicity	0% of the mixture consists of ingredient(s) of unknown toxicity
LD50 Oral	Sodium Persulfate: 895 mg/kg (rat)

LD50 Dermal	Sodium Persulfate: > 10 g/kg
LC50 Inhalation	Sodium Persulfate: >5.10 mg/L (4h) (rat)
Serious eye damage/eye irritation	Irritating to eyes.
Skin corrosion/irritation	Minimally irritating.
Sensitization	Sodium Persulfate: May cause sensitization by inhalation and skin contact.

Information on toxicological effects

Symptoms Symptoms of allergic reaction may include rash, itching, swelling and trouble breathing.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Irritation Irritating to eyes, respiratory system and skin.
corrosivity None.

Carcinogenicity Contains no ingredient listed as a carcinogen.

Mutagenicity Did not show mutagenic effects in animal experiments

Neurological effects Not neurotoxic

Reproductive toxicity This product is not recognized as reprotox by Research Agencies.
Developmental toxicity None known.
Teratogenicity Not teratogenic in animal studies.

STOT - single exposure May cause respiratory irritation.
STOT - repeated exposure Not classified.

Target organ effects Eyes, Lungs.

Aspiration hazard No information available.

12. ECOLOGICAL INFORMATION**Ecotoxicity**

Ecotoxicity effects Ecotoxicity effects of component substances

Sodium Persulfate (7775-27-1)				
Active Ingredient(s)	Duration	Species	Value	Units
Sodium Persulfate	96 h LC50	Rainbow trout	163	mg/L
Sodium Persulfate	48 h LC50	Daphnia magna	133	mg/L
Sodium Persulfate	96 h LC50	Grass shrimp	519	mg/L
Sodium Persulfate	72 h EC50	Algae Selenastrum capricornutum	116	mg/L

Chemical name	Toxicity to algae	Toxicity to fish	Toxicity to Microorganisms	Toxicity to daphnia and other aquatic invertebrates
Potassium permanganate	72 h EC50: 0.43-0.80 mg/L	96 h LC50: 2.97 - 3.11 mg/L (Cyprinus carpio) 96 h LC50: 3.16 - 3.77 mg/L (Cyprinus carpio) 96 h LC50: = 2.3 mg/L (Lepomis macrochirus) flow-through		48 h EC50: 0.06 mg/L (daphnia magna)

		96 h LC50: 1.8 - 5.6 mg/L (Lepomis macrochirus) static 96 h LC50: = 2.7 mg/L (Lepomis macrochirus) 96 h LC50: 1.08 - 1.38 mg/L (Oncorhynchus mykiss) 96 h LC50: 0.769 - 1.27 mg/L (Oncorhynchus mykiss) static 96 h LC50: 3.3 - 3.93 mg/L (Carassius auratus) static		
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Persistence and degradability Biodegradability does not pertain to inorganic substances. The organic components are biodegradable and can be expected to contribute to BOD.

Bioaccumulation Does not bioaccumulate.

Mobility Dissociates into ions.

Other Adverse Effects None known.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261). It must undergo special treatment, e.g. at suitable disposal site, to comply with local regulations.

Contaminated Packaging Empty remaining contents. Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

DOT

UN/ID no UN 1505
Proper Shipping Name Sodium Persulfate Mixture
Hazard class 5.1
Packing Group III

TDG

UN/ID no UN 1505
Proper Shipping Name Sodium Persulfate Mixture
Hazard class 5.1
Packing Group III

MEX

UN/ID no UN 1505
Proper Shipping Name Sodium Persulfate Mixture
Hazard class 5.1
Packing Group III

ICAO/IATA

UN/ID no UN 1505
Proper Shipping Name Sodium Persulfate Mixture
Hazard class 5.1
Packing Group III

IMDG/IMO

UN/ID no UN 1505
Proper Shipping Name Sodium Persulfate Mixture

Hazard class 5.1
Packing Group III

ADR/RID

UN/ID no UN 1505
Proper Shipping Name Sodium Persulfate Mixture
Hazard class 5.1
Packing Group III

15. REGULATORY INFORMATION**U.S. Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard Yes
Chronic health hazard No
Fire hazard Yes
Sudden release of pressure hazard No
Reactive Hazard No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Potassium permanganate 7722-64-7	100 lb			X

CERCLA/EPCRA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

Chemical name	CERCLA Hazardous Substances RQs (40 CFR 302.4)	SARA Sec 304 Extremely Hazardous Substance RQ (40 CFR 355 Appendix A)	SARA Section 302 EHS Threshold Planning Quantity (40 CFR 355)
Potassium permanganate 7722-64-7	100 lb		

US State Regulations**U.S. State Right-to-Know Regulations**

This product contains the following substances regulated under state Right-to-Know laws:

Chemical name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Sodium Persulfate		X			
Potassium permanganate	X	X	X		

California Proposition 65

This product does not contain any Proposition 65 chemicals

International Inventories

Component	TSCA (United States)	DSL (Canada)	EINECS/EL INCS (Europe)	ENCS (Japan)	China (IECSC)	KECL (Korea)	PICCS (Philippines)	AICS (Australia)	NZIoC (New Zealand)
Sodium Persulfate 7775-27-1 (95)	X	X	X	X	X	X	X	X	X
Potassium permanganate 7722-64-7 (< 1)	X	X	X	X	X	X	X	X	X
Trade secret (< 5)					X		X	X	X

Mexico

Mexico - Grade

Slight risk, Grade 1

16. OTHER INFORMATION

NFPA	Health Hazards 1	Flammability 0	Stability 1	Special Hazards OX
HMIS	Health Hazards 1	Flammability 0	Physical hazard 1	Special precautions J

NFPA/HMIS Ratings Legend

Special Hazards: OX = Oxidizer

Protection=J (Safety goggles, gloves, apron, combination dust and vapor respirator)

Revision date:

2017-01-31

Revision note

Initial Release

Issuing Date:

2017-05-01

Disclaimer

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Prepared By:

PeroxyChem

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End of Safety Data Sheet

SAFETY DATA SHEET
KLOZUR® CR

SDS # : 7775-27-1-2
Revision date: 2015-05-01
Format: NA
Version 1



1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name KLOZUR® CR

Other means of identification

Recommended use of the chemical and restrictions on use

Recommended Use: In situ and ex situ chemical oxidation of contaminants and compounds of concern for environmental remediation applications

Restrictions on Use: No uses to be advised against were identified.

Manufacturer/Supplier

PeroxyChem LLC
2005 Market Street
Suite 3200
Philadelphia, PA 19103
Phone: +1 267/ 422-2400 (General Information)
E-Mail: sdsinfo@peroxychem.com

Emergency telephone number

For leak, fire, spill or accident emergencies, call:
1 800 / 424 9300 (CHEMTREC - U.S.A.)
1 703 / 527 3887 (CHEMTREC - Collect - All Other Countries)
1 303/ 389-1409 (Medical - U.S. - Call Collect)

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Acute toxicity - Oral	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 1
Respiratory sensitization	Category 1
Skin sensitization	Category 1
Specific target organ toxicity (single exposure)	Category 3
Oxidizing Solids	Category 2

GHS Label elements, including precautionary statements

EMERGENCY OVERVIEW

Danger**Hazard Statements**

H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335 - May cause respiratory irritation
H318 - Causes serious eye damage
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H302 - Harmful if swallowed
H272 - May intensify fire; oxidizer

**Precautionary Statements - Prevention**

P261 - Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray
P271 - Use only outdoors or in a well-ventilated area
P285 - In case of inadequate ventilation wear respiratory protection
P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection
P270 - Do not eat, drink or smoke when using this product
P264 - Wash face, hands and any exposed skin thoroughly after handling
P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking
P220 - Keep/Store away from clothing/combustible materials
P221 - Take any precaution to avoid mixing with combustibles

Precautionary Statements - Response

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P310 - Immediately call a POISON CENTER or doctor
P302 + P352 - IF ON SKIN: Wash with plenty of water and soap
P333 + P313 - If skin irritation or rash occurs: Get medical advice/ attention
P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing
P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell
P370 + P378 - In case of fire: Use water for extinction

Precautionary Statements - Storage

P403 + P233 - Store in a well-ventilated place. Keep container tightly closed

Hazards not otherwise classified (HNOC)

No hazards not otherwise classified were identified.

Other Information

Risk of decomposition by heat or by contact with incompatible materials.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS-No	Weight %
Sodium Persulfate	7775-27-1	40-60
Proprietary ingredient	Proprietary	40-60
Calcium Hydroxide	1305-62-0	8 - 12

Synonyms are provided in Section 1.

4. FIRST AID MEASURES

General Advice	Remove from exposure, lie down. Show this material safety data sheet to the doctor in attendance.
Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids intermittently. Consult a physician. In case of contact, immediately flush eyes with plenty of water. If symptoms persist, call a physician.
Skin Contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention if irritation develops and persists.
Inhalation	Remove from exposure, lie down. If breathing is irregular or stopped, administer artificial respiration. Call a physician immediately.
Ingestion	Do NOT induce vomiting. Call a physician or poison control center immediately. Rinse mouth. Drink 1 or 2 glasses of water.
Most important symptoms and effects, both acute and delayed	Itching; Redness; Coughing and/ or wheezing
Indication of immediate medical attention and special treatment needed, if necessary	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Water. Cool containers with flooding quantities of water until well after fire is out.
Unsuitable extinguishing media	Do not use carbon dioxide or other gas filled fire extinguishers; they will have little effect on decomposing persulfate.
Specific Hazards Arising from the Chemical	Decomposes under fire conditions to release oxygen that intensifies the fire.
Explosion data	
Sensitivity to Mechanical Impact	Not sensitive.
Sensitivity to Static Discharge	Not sensitive.
Protective equipment and precautions for firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Keep off any unprotected persons. Avoid contact with the skin and the eyes. Avoid breathing dust. Wear personal protective equipment.
Other	Never add other substances or combustible waste to product residues. Containers of contaminated waste material should be monitored for signs of decomposition (fuming or smoking).

Environmental Precautions	Knock down dust with water spray. Avoid penetration into waterways, sewers, soil or groundwater. Local authorities should be advised if significant spillages cannot be contained.
Methods for Containment	Do not return product to the original storage container/tank due to risk of decomposition. Vacuum, shovel or pump waste into a drum and label contents for disposal. Store in closed container. Do not allow material to enter storm or sanitary sewer system.
Methods for cleaning up	Clean up spill area and treat as special waste.

7. HANDLING AND STORAGE

Handling	Wear personal protective equipment. Use only in area provided with appropriate exhaust ventilation. Avoid dust formation. Handle product only in closed system or provide appropriate exhaust ventilation at machinery. Avoid contact with skin and eyes. Avoid breathing dust. Remove and wash contaminated clothing before re-use. Reference to other sections.
Storage	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat. Do not store near combustible materials. Avoid contamination of opened product. Keep away from food, drink and animal feedingstuffs. Avoid formation and deposition of dust.
Incompatible products	Acids, Bases, Halides, Oxidizing agents, Strong reducing agents, Combustible materials,

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical name	ACGIH TLV	OSHA PEL	NIOSH	Mexico
Sodium Persulfate 7775-27-1	TWA: 0.1 mg/m ³	-	-	-
Calcium Hydroxide 1305-62-0	TWA: 5 mg/m ³	TWA: 15 mg/m ³ TWA: 5 mg/m ³	TWA: 5 mg/m ³	Mexico: TWA 5 mg/m ³
Chemical name	British Columbia	Quebec	Ontario TWAEV	Alberta
Sodium Persulfate 7775-27-1	TWA: 0.1 mg/m ³	-	TWA: 0.1 mg/m ³	TWA: 0.1 mg/m ³
Calcium Hydroxide 1305-62-0	TWA: 5 mg/m ³	TWA: 5 mg/m ³	TWA: 5 mg/m ³	TWA: 5 mg/m ³

Appropriate engineering controls

Engineering measures Ensure adequate ventilation.

Individual protection measures, such as personal protective equipment

Eye/Face Protection	Eye protection recommended: Tightly fitting safety goggles.
Skin and Body Protection	Wear suitable protective clothing. Protective shoes or boots.
Hand Protection	Protective gloves: Neoprene gloves, Polyvinylchloride, Natural Rubber
Respiratory Protection	Use only with adequate ventilation. Respirator must be worn if exposed to dust.
Hygiene measures	Keep away from food, drink and animal feeding stuffs. Do not eat, drink or smoke when using this product. Wash hands before breaks and after shifts. Keep work clothes separate, remove contaminated clothing - launder after open handling of product.
General information	Protective engineering solutions should be implemented and in use before personal protective equipment is considered.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Fine granules
Physical State	Solid
Color	Off-white
Odor	odorless
Odor threshold	Not applicable
pH	11.2 (1% solution)
Melting point/freezing point	Decomposes
Boiling Point/Range	No information available
Flash point	Not applicable
Evaporation Rate	No information available
Flammability (solid, gas)	Not flammable
Flammability Limit in Air	Not applicable
Upper flammability limit:	
Lower flammability limit:	
Vapor pressure	No information available
Vapor density	No information available
Density	No information available
Specific gravity	1.0 - 1.19 (5 to 30% slurries)
Water solubility	slightly soluble
Solubility in other solvents	No information available
Partition coefficient	No information available (inorganic)
Autoignition temperature	Product is not self-ignitable.
Decomposition temperature	> 100 °C (assume)
Viscosity, kinematic	No information available
Viscosity, dynamic	No information available
Explosive properties	Not explosive
Oxidizing properties	oxidizer
Molecular weight	No information available
Bulk density	51.8 lb/cu ft (loose)

10. STABILITY AND REACTIVITY

Reactivity	Strong oxidizer.
Chemical Stability	Stable under recommended storage conditions.
Possibility of Hazardous Reactions	Use of persulfates in chemical reactions requires appropriate precautions and design considerations for pressure and thermal relief. Decomposing persulfates will evolve large volumes of gas and/or vapor, can accelerate exponentially with heat generation, and create significant and hazardous pressures if contained and not properly controlled or mitigated. Use with alcohols in the presence of water has been demonstrated to generate conditions that require rigorous adherence to process safety methods and standards to prevent escalation to an uncontrolled reaction.
Hazardous polymerization	Hazardous polymerization does not occur.
Conditions to avoid	Heat (decomposes at temperatures >100 °C); Moisture
Incompatible materials	Acids, Bases, Halides, Oxidizing agents, Strong reducing agents, Combustible materials,
Hazardous Decomposition Products	None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Product Information

Proprietary ingredient and calcium hydroxide are not classified for acute toxicity

LD50 Oral No data available for the formulation. 895 mg/kg (rat) Sodium Persulfate
LD50 Dermal No data available for the formulation. > 10,000 mg/kg (rabbit) Sodium Persulfate
LC50 Inhalation No data available for the formulation. = > 5.1 mg/L (4-hr) (rat) Sodium Persulfate

Sensitization Sensitizing to skin and respiratory system. Positive in a local lymph node assay. (based on components).

Information on toxicological effects

Symptoms Dust is irritating eyes, nose, throat, and lungs.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity Not recognized as carcinogenic by Research Agencies (IARC, NTP, OSHA, ACGIH).

Mutagenicity This product is not recognized as mutagenic by Research Agencies

Reproductive toxicity This product is not recognized as reprotox by Research Agencies.

STOT - single exposure May cause respiratory irritation.
STOT - repeated exposure No information available.

Target organ effects Eyes, Skin, Respiratory System.

Aspiration hazard No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity effects

Sodium Persulfate (7775-27-1)				
Active Ingredient(s)	Duration	Species	Value	Units
Sodium Persulfate	96 h LC50	Rainbow trout	163	mg/L
Sodium Persulfate	48 h LC50	Daphnia magna	133	mg/L
Sodium Persulfate	96 h LC50	Grass shrimp	519	mg/L
Sodium Persulfate	72 h EC50	Algae Selenastrum capricornutum	116	mg/L

Persistence and degradability Biodegradability does not pertain to inorganic substances.

Bioaccumulation Does not bioaccumulate.

Mobility Dissociates into ions.

Other Adverse Effects None known.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261). It must undergo special treatment, e.g. at suitable disposal site, to comply with local

regulations. Containers of contaminated waste material should be monitored for signs of decomposition (fuming or smoking).

US EPA Waste Number D001
Contaminated Packaging Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

DOT

UN/ID no UN 1479
Proper Shipping Name OXIDIZING SOLID N.O.S. (sodium persulfate, calcium peroxide)
Hazard class 5.1 (Oxidizer)
Packing Group II
Reportable Quantity (RQ) not applicable

TDG

UN/ID no UN 1479
Proper Shipping Name OXIDIZING SOLID N.O.S. (sodium persulfate, calcium peroxide)
Hazard class 5.1
Packing Group II

ICAO/IATA

UN/ID no UN 1479
Proper Shipping Name OXIDIZING SOLID N.O.S. (sodium persulfate, calcium peroxide)
Hazard class 5.1
Packing Group II

IMDG/IMO

UN/ID no UN 1479
Proper Shipping Name OXIDIZING SOLID N.O.S. (sodium persulfate, calcium peroxide)
Hazard class 5.1
Packing Group II

15. REGULATORY INFORMATION

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic health hazard	No
Fire hazard	Yes
Sudden release of pressure hazard	No
Reactive Hazard	No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

International Inventories

Component	TSCA (United States)	DSL (Canada)	EINECS/EL INCS (Europe)	ENCS (Japan)	China (IECSC)	KECL (Korea)	PICCS (Philippines)	AICS (Australia)	NZIoC (New Zealand)
Sodium Persulfate 7775-27-1 (40-60)	X	X	X	X	X	X	X	X	X
Trade secret (40-60)	X	X	X	X	X	X	X	X	X
Calcium Hydroxide 1305-62-0 (8 - 12)	X	X	X	X	X	X	X	X	X

CANADA

WHMIS Hazard Class

C - Oxidizing materials
D2A - Very toxic materials
D2B - Toxic materials
E - Corrosive material



16. OTHER INFORMATION

NFPA	Health Hazards 2	Flammability 0	Stability 1	Special Hazards OX
HMIS	Health Hazards 2	Flammability 0	Physical hazard 0	Special precautions J

NFPA/HMIS Ratings Legend Severe = 4; Serious = 3; Moderate = 2; Slight = 1; Minimal = 0
Protection=J (Safety goggles, gloves, apron, combination dust and vapor respirator)

Revision date: 2015-05-01
Revision note: Initial Release

Disclaimer

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Prepared By:

PeroxyChem
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End of Safety Data Sheet

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Product name : Sodium Hydroxide, 2.5N (2.5M)
Product code : LC24400

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : For laboratory and manufacturing use only.

1.3. Details of the supplier of the safety data sheet

LabChem Inc
Jackson's Pointe Commerce Park Building 1000, 1010 Jackson's Pointe Court
Zelienople, PA 16063 - USA
T 412-826-5230 - F 724-473-0647
info@labchem.com - www.labchem.com

1.4. Emergency telephone number

Emergency number : CHEMTREC: 1-800-424-9300 or 011-703-527-3887

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Skin Corr. 1B H314
Eye Dam. 1 H318

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US) :



GHS05

Signal word (GHS-US) : Danger
Hazard statements (GHS-US) : H314 - Causes severe skin burns and eye damage
Precautionary statements (GHS-US) : P260 - Do not breathe mist, spray, vapours
P264 - Wash exposed skin thoroughly after handling
P280 - Wear eye protection, face protection, protective clothing, protective gloves
P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting
P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340 - IF INHALED: remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P310 - Immediately call a POISON CENTER or doctor/physician
P363 - Wash contaminated clothing before reuse
P405 - Store locked up
P501 - Dispose of contents/container to comply with local, state and federal regulations

2.3. Other hazards

Other hazards not contributing to the classification : None.

2.4. Unknown acute toxicity (GHS-US)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable
Full text of H-phrases: see section 16

3.2. Mixture

Name	Product identifier	%	GHS-US classification
Water	(CAS No) 7732-18-5	90.9	Not classified

Sodium Hydroxide, 2.5N (2.5M)

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Name	Product identifier	%	GHS-US classification
Sodium Hydroxide	(CAS No) 1310-73-2	9.1	Acute Tox. 4 (Dermal), H312 Skin Corr. 1A, H314 Eye Dam. 1, H318 Aquatic Acute 3, H402

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.
First-aid measures after skin contact	: Immediately call a POISON CENTER or doctor/physician. Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
First-aid measures after ingestion	: Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician. Rinse mouth.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries	: Causes severe skin burns and eye damage.
Symptoms/injuries after inhalation	: Coughing. Irritation of the respiratory tract. Irritation of the nasal mucous membranes.
Symptoms/injuries after skin contact	: Caustic burns/corrosion of the skin.
Symptoms/injuries after eye contact	: Causes serious eye damage.
Symptoms/injuries after ingestion	: Abdominal pain. Bleeding of the gastrointestinal tract. Burns to the gastric/intestinal mucosa. Nausea. Possible esophageal perforation.
Symptoms/injuries upon intravenous administration	: Not available.
Chronic symptoms	: Not available.

4.3. Indication of any immediate medical attention and special treatment needed

Obtain medical assistance.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Carbon dioxide. Dry powder. Water spray. Foam. Sand.
Unsuitable extinguishing media	: Not available. Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Not flammable.
Explosion hazard	: Not available.
Reactivity	: Reacts with (some) metals: release of highly flammable gases/vapours (hydrogen). Thermal decomposition generates : Corrosive vapours.

5.3. Advice for firefighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. In case of fire: stop leak if safe to do so. When cooling/extinguishing: no water in the substance. Avoid (reject) fire-fighting water to enter environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
Other information	: Not available.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Eliminate ignition sources. Ensure adequate ventilation. Wear self-contained breathing apparatus when entering area unless atmosphere is proved to be safe.
------------------	---

6.1.1. For non-emergency personnel

Protective equipment	: Wear chemically protective gloves, lab coat or apron to prevent prolonged or repeated skin contact.
Emergency procedures	: Wash contaminated clothes. Evacuate unnecessary personnel. Keep containers closed.

6.1.2. For emergency responders

Protective equipment	: Equip cleanup crew with proper protection.
Emergency procedures	: Stop leak if safe to do so. Ventilate area.

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

Sodium Hydroxide, 2.5N (2.5M)

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6.3. Methods and material for containment and cleaning up

- For containment : Take up liquid spill into inert absorbent material.
- Methods for cleaning up : Carefully collect the spill/leftovers. Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Additional hazards when processed : May be corrosive to metals.
- Precautions for safe handling : Do not get in eyes, on skin, or on clothing. Remove contaminated clothing immediately. Use corrosionproof equipment. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Do not breathe spray, vapours, mist.
- Hygiene measures : Wash exposed skin thoroughly after handling. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Comply with applicable regulations.
- Storage conditions : Keep container closed when not in use. Keep only in the original container in a cool, well ventilated place away from : incompatible materials.
- Incompatible products : Strong acids. metals.
- Incompatible materials : Sources of ignition. Direct sunlight.
- Storage temperature : 5 - 30 °C
- Prohibitions on mixed storage : KEEP SUBSTANCE AWAY FROM: (strong) acids. metals. metal powders.
- Storage area : Keep locked up. Store in a well-ventilated place. Keep only in the original container.
- Special rules on packaging : SPECIAL REQUIREMENTS: corrosion-proof.
- Packaging materials : Do not store in corrodable metal.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Sodium Hydroxide (1310-73-2)		
USA ACGIH	ACGIH Ceiling (mg/m ³)	2 mg/m ³
USA OSHA	OSHA PEL (TWA) (mg/m ³)	2 mg/m ³

8.2. Exposure controls

- Appropriate engineering controls : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
- Personal protective equipment : Gloves. Safety glasses. Protective clothing. Head/neck protection. Avoid all unnecessary exposure.



- Hand protection : Wear chemically resistant protective gloves. Wear protective gloves.
- Eye protection : Chemical goggles or face shield.
- Skin and body protection : Wear suitable protective clothing.
- Respiratory protection : In case of inadequate ventilation wear respiratory protection. Wear appropriate mask.
- Thermal hazard protection : None necessary.
- Other information : Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state : Liquid
- Appearance : Clear, colorless liquid.
- Colour : Colourless.
- Odour : odorless.
- Odour threshold : No data available

Sodium Hydroxide, 2.5N (2.5M)

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pH	: ≥ 14
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Self ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1.1 g/ml
Solubility	: Soluble in water.
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: 1.59 cSt
Viscosity, dynamic	: No data available
Explosive properties	: No data available.
Oxidising properties	: No data available.
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reacts with (some) metals: release of highly flammable gases/vapours (hydrogen). Thermal decomposition generates : Corrosive vapours.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Incompatible materials. Extremely high or low temperatures.

10.5. Incompatible materials

metals. Strong acids.

10.6. Hazardous decomposition products

Sodium oxide. Thermal decomposition generates : Corrosive vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Sodium Hydroxide, 2.5N (2.5M)	
LD50 dermal rabbit	14835 mg/kg

Water (7732-18-5)	
LD50 oral rat	≥ 90000 mg/kg

Sodium Hydroxide (1310-73-2)	
LD50 dermal rabbit	1350 mg/kg (Rabbit; Literature,Rabbit; Literature)

Skin corrosion/irritation	: Causes severe skin burns and eye damage. pH: ≥ 14
Serious eye damage/irritation	: Causes serious eye damage. pH: ≥ 14
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified Based on available data, the classification criteria are not met

Sodium Hydroxide, 2.5N (2.5M)

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Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified Based on available data, the classification criteria are not met
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified Based on available data, the classification criteria are not met
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.
Symptoms/injuries after inhalation	: Coughing. Irritation of the respiratory tract. Irritation of the nasal mucous membranes.
Symptoms/injuries after skin contact	: Caustic burns/corrosion of the skin.
Symptoms/injuries after eye contact	: Causes serious eye damage.
Symptoms/injuries after ingestion	: Abdominal pain. Bleeding of the gastrointestinal tract. Burns to the gastric/intestinal mucosa. Nausea. Possible esophageal perforation.
Symptoms/injuries upon intravenous administration	: Not available.
Chronic symptoms	: Not available.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Ecology - water	: Toxic to aquatic life.

Sodium Hydroxide, 2.5N (2.5M)	
LC50 fishes 1	499 mg/l
EC50 Daphnia 1	445 mg/l

Sodium Hydroxide (1310-73-2)	
LC50 fishes 1	45.4 mg/l (96 h; <i>Salmo gairdneri</i> (<i>Oncorhynchus mykiss</i>); SOLUTION >=50%)
EC50 Daphnia 1	40.4 mg/l (48 h; <i>Ceriodaphnia</i> sp.; NOMINAL CONCENTRATION)
LC50 fish 2	189 mg/l (48 h; <i>Leuciscus idus</i>)
TLM fish 1	99 mg/l (48 h; <i>Lepomis macrochirus</i>)
TLM fish 2	125 ppm (96 h; <i>Gambusia affinis</i>)

12.2. Persistence and degradability

Sodium Hydroxide, 2.5N (2.5M)	
Persistence and degradability	No data available.

Sodium Hydroxide (1310-73-2)	
Persistence and degradability	Biodegradability: not applicable. No (test)data on mobility of the substance available.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

12.3. Bioaccumulative potential

Sodium Hydroxide, 2.5N (2.5M)	
Bioaccumulative potential	No data available.

Sodium Hydroxide (1310-73-2)	
Bioaccumulative potential	Bioaccumulation: not applicable.

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other adverse effects	: May cause pH changes in aqueous ecological systems.
Other information	: Avoid release to the environment.

Sodium Hydroxide, 2.5N (2.5M)

Safety Data Sheet

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

- Waste disposal recommendations : Dispose of contents/container to Comply with applicable regulations. Dispose in a safe manner in accordance with local/national regulations.
- Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with DOT

14.1. UN number

- UN-No.(DOT) : 1824
- DOT NA no. : UN1824

14.2. UN proper shipping name

- DOT Proper Shipping Name : Sodium hydroxide solution
- Department of Transportation (DOT) Hazard Classes : 8 - Class 8 - Corrosive material 49 CFR 173.136
- Hazard labels (DOT) : 8 - Corrosive substances



- Packing group (DOT) : II - Medium Danger
- DOT Special Provisions (49 CFR 172.102) : B2 - MC 300, MC 301, MC 302, MC 303, MC 305, and MC 306 and DOT 406 cargo tanks are not authorized.
IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized.
N34 - Aluminum construction materials are not authorized for any part of a packaging which is normally in contact with the hazardous material.
T7 - 4 178.274(d)(2) Normal..... 178.275(d)(3)
TP2 - a. The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = $95 / (1 + a (tr - tf))$ Where: tr is the maximum mean bulk temperature during transport, tf is the temperature in degrees celsius of the liquid during filling, and is the mean coefficient of cubical expansion of the liquid between the mean temperature of the liquid during filling (tf) and the maximum mean bulk temperature during transportation (tr) both in degrees celsius. b. For liquids transported under ambient conditions may be calculated using the formula: $a = (d15 - d50) / 35 * d50$ Where: d15 and d50 are the densities (in units of mass per unit volume) of the liquid at 15 C (59 F) and 50 C (122 F), respectively.
- DOT Packaging Exceptions (49 CFR 173.xxx) : 154
- DOT Packaging Non Bulk (49 CFR 173.xxx) : 202
- DOT Packaging Bulk (49 CFR 173.xxx) : 242
- Marine pollutant : No

14.3. Additional information

- Other information : No supplementary information available.
- State during transport (ADR-RID) : as liquid.

Overland transport

No additional information available

Transport by sea

- DOT Vessel Stowage Location : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.
- DOT Vessel Stowage Other : 52 - Stow "separated from" acids

Air transport

- DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 1 L
- DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 30 L

SECTION 15: Regulatory information

15.1. US Federal regulations

Sodium Hydroxide, 2.5N (2.5M)

SARA Section 311/312 Hazard Classes : Immediate (acute) health hazard

Sodium Hydroxide, 2.5N (2.5M)

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Sodium Hydroxide (1310-73-2)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
RQ (Reportable quantity, section 304 of EPA's List of Lists) :	1000 lb
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard

15.2. International regulations

CANADA

Sodium Hydroxide, 2.5N (2.5M)	
WHMIS Classification	Class E - Corrosive Material

Sodium Hydroxide (1310-73-2)	
Listed on the Canadian DSL (Domestic Substances List) inventory.	
WHMIS Classification	Class E - Corrosive Material

EU-Regulations

No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Classification according to Directive 67/548/EEC or 1999/45/EC

Not classified

15.2.2. National regulations

Sodium Hydroxide (1310-73-2)	
Listed on the Canadian Ingredient Disclosure List	

15.3. US State regulations

Sodium Hydroxide (1310-73-2)	

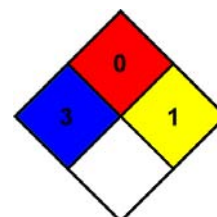
SECTION 16: Other information

Indication of changes : Revision - See : *.
Other information : None.

Full text of H-phrases: see section 16:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Aquatic Acute 3	Hazardous to the aquatic environment — AcuteHazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H402	Harmful to aquatic life

NFPA health hazard : 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.
NFPA fire hazard : 0 - Materials that will not burn.
NFPA reactivity : 1 - Normally stable, but can become unstable at elevated temperatures and pressures or may react with water with some release of energy, but not violently.



HMIS III Rating

Health : 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given

Sodium Hydroxide, 2.5N (2.5M)

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Flammability : 0 Minimal Hazard
Physical : 1 Slight Hazard
Personal Protection : D

SDS US (GHS HazCom 2012)

Information in this SDS is from available published sources and is believed to be accurate. No warranty, express or implied, is made and LabChem Inc assumes no liability resulting from the use of this SDS. The user must determine suitability of this information for his application.

Appendix B

Field Sampling Records

LANGAN

LOG OF BORING SR-40 / MW-40 SHEET 1 OF 2

PROJECT 714 East 241 st Street			PROJECT NO. 140115301		
LOCATION Bronx, NY			ELEVATION AND DATUM NA		
DRILLING AGENCY Lakewood Environmental			DATE STARTED 7/25/20		DATE FINISHED 7/25/20
DRILLING EQUIPMENT Geoprobe 6610 DT			COMPLETION DEPTH 25'		ROCK DEPTH
SIZE AND TYPE OF BIT			NO. SAMPLES	DIST.	UNDIST.
CASING			WATER LEVEL	FIRST 10.5'	COMPL.
CASING HAMMER	WEIGHT	DROP	FOREMAN Tim Kelly		
SAMPLER			LOGGED BY Kyle Twombly		
SAMPLER HAMMER	WEIGHT	DROP			

SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)	
		NO. LOC.	TYPE	RECOV. FT.	PENETRA. RESIST. BL/REV.		
(0-6") Asphalt, concrete R1 (6-25") Dark grey fine SAND, trace clay, trace silt (moist) [FILL]	1			9.8		Slight gasoline odor	
				11.4			
				27.1			
	2			5.2			
			R1	Macro	25/60"		
R2 (10-36") Grey fine SAND, trace clay, trace silt (moist) [FILL]	7			33.4		Install MW-40 to 18 ft. Screened 8-18 ft Strong gasoline odor. Grey staining	
				20.3			
				155			
	8			1626			
			R2	Macro	36/60"		
					610		
R2 (10-50") Brown fine SAND, trace silt, trace clay (wet)	10			1501		Strong gasoline odor. Grey staining	
	11			1800			
				1950			
				1060			
	12			1900		Strong gasoline odor. Grey staining	
				1400			
				338			
	13			120			
			R3	Macro	50/60"		

LANGAN

JOB NO. 140115301

LOG OF BORING NO. SB-40/MW-40

DATE 7/25/20

SHEET 2 OF 2

DEPTH SCALE	SAMPLE DESCRIPTION	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
		NO. LOC.	TYPE	RECOV. FT.	PENETR. RESIST. BL/6 IN.	
15	R4 (0-50") Brown fine SAND, trace silt, trace clay (wet)	R4	Macro	50/60"	123	Gasoline odor, Grey staining
16					165	
17					270	
18					550	
19					102	
20					99	
21					77	
22					85	
23					45	
24					260	
25	R5 (0-60") Brown fine SAND, trace medium sand, trace silt (wet)	R5	Macro	60/60"	500	Gasoline odor
26					1200	
27					180	
28					33	
29					28	
30					19	
31	19					
32	11	E.O.B.				

PROJECT <i>714 East 241st Street</i>			PROJECT NO <i>140115301</i>			
LOCATION <i>Bronx, NY</i>			ELEVATION AND DATUM <i>NA</i>			
DRILLING AGENCY <i>Lakewood</i>			DATE STARTED <i>7/25/20</i>		DATE FINISHED <i>7/25/20</i>	
DRILLING EQUIPMENT <i>Geoprobe 6610 DT</i>			COMPLETION DEPTH <i>25'</i>		ROCK DEPTH	
SIZE AND TYPE OF BIT			NO. SAMPLES	DIST.	UNDIST.	CORE
CASING			WATER LEVEL	FIRST <i>10.5</i>	COMPL.	24 HR.
CASING HAMMER	WEIGHT	DROP	FOREMAN <i>Tim Kelly</i>			
SAMPLER			LOGGED BY <i>Kyle Twombly</i>			
SAMPLER HAMMER	WEIGHT	DROP				

DEPTH SCALE	SAMPLE DESCRIPTION	SAMPLES					REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
		NO. LOC.	TYPE	REC. FT.	PENETRA. RESIST. BLOW IN.	<i>PSD</i>	
0-6"	Asphalt, concrete				0.8		
6-24"	Brown fine SAND, trace medium sand, trace silt, trace pebbles, red brick, concrete (moist) [FILL]	R1	Macro	24/60"	1.5 1.6 1.5		
0-44"	Grey fine SAND, trace medium sand, trace silt (moist) [FILL]	R2	Macro	44/60"	0.5 5.5 11.5 17 40 111 197 1200		MW-41 installed to 18 ft. Screened 8-18 ft. Strong gasoline-like odor
0-60"	Greyish brown fine SAND, trace silt, trace clay (wet)	R3	Macro	60/60"	38 78 46 44 41 22 27		

LANGAN

JOB NO. 140115301

LOG OF BORING NO. SB-41 (MW-41)

DATE 7/25/20

SHEET 2 OF 2

DEPTH SCALE	SAMPLE DESCRIPTION	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
		NO. LOC.	TYPE	REC. FT.	PENETR. RESIST. BLG IN.	
15	R4a (0-30") Grey medium SAND, trace fine sand, trace silt, trace pebbles (wet)				57	
					60	
16					13	
					57	
17					996	
					1200	
18	R4b (30-60") Brown fine SAND, trace medium sand, trace silt (wet)	R4	Macro	60/60"	1475	Strong gasoline-like odor. Grey staining
					1575	
19					191	
					106	
20						
21						
22						
23	R5 (0-26") Grey medium ^{silty} SAND, some silt, trace trace fine sand (wet)	R5	Macro	26/60"	76	E.O.B.
					74	
24					120	
					55	
25						

PROJECT 714 ^{East} 241 st Street		PROJECT NO 140	
LOCATION Bronx, NY		ELEVATION AND DATUM	
DRILLING AGENCY Lakewood		DATE STARTED 7/25/20	DATE FINISHED 7/25/20
DRILLING EQUIPMENT Geoprobe		COMPLETION DEPTH 25	ROCK DEPTH
SIZE AND TYPE OF BIT		NO. SAMPLES	DIST.
CASING		WATER LEVEL	FIRST 9' COMPL. 24 HR.
CASING HAMMER	WEIGHT	DROP	
SAMPLER		FOREMAN Tim Kelly	
SAMPLER HAMMER		WEIGHT	
		DROP	
		LOGGED BY Kyle Twombly	

DEPTH SCALE	SAMPLE DESCRIPTION	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
		NO. LOC.	TYPE	RECOV. FT.	RENER. RESIST. Blows/ft.	
0-1	(0-6") Concrete, asphalt				0.0	
1-2	R1 (6-22") Brown medium SAND, trace fine sand, trace silt, trace pebbles, red brick, concrete (moist) [FILL]				0.0	
2-3					0.0	
3-4		R1	Macro	22/60"	0.0	
4-5						
5-6						
6-7	R2a (0-6") Brown fine SAND, trace medium sand, trace pebbles (moist)				1.2	
7-8					0.3	MW-42 installed to 17 feet. Screened from 7-17 feet
8-9	R2b (6-40") Grey fine SAND, trace medium sand, trace silt (Moist-wet)				65	
9-10		R2	Macro	49/60"	31	
10-11					29.7	
11-12					30	Gasoline-like odor.
12-13					330	
13-14	R3 (0-35") Grey medium SAND, trace fine sand, trace silt (wet)				1830	
		R3	Macro	38/60"	1677	
					1691	Strong gasoline-like odor. Grey staining.
					995	

LANGAN

JOB NO. 140115301

DATE 7/25/20

LOG OF BORING NO. SB-42/MW-42

SHEET 2 OF 2

DEPTH SCALE	SAMPLE DESCRIPTION	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
		NO. LOC.	TYPE	RECOV. FT.	PENETR. RESIST. BL/6 IN.	
15					1230 1830	
16						
17						
18	R4a (0-17") Grey medium SAND, trace silt, trace fine sand (wet)	R4	Macro	33/60"	1200 1400	Gasoline-like odor.
19	R4b (17-33") Brown fine SAND, trace clay, trace silt (wet)				972 270 930	
20						
21	R5 (0-52") Dark grey medium SAND, trace fine sand, trace silt (wet)				920	Slight gasoline-like odor.
22					630	
23		R5	Macro	52/60"	291 234	
24					244 209	
25					All	E.O.B.

PROJECT 714 East 241 st Street		PROJECT NO. 140115301	
LOCATION Bronx, NY		ELEVATION AND DATUM NA	
DRILLING AGENCY Lakewood Environmental		DATE STARTED 7/25/20	DATE FINISHED 7/25/20
DRILLING EQUIPMENT Geoprobe 6610 DT		COMPLETION DEPTH 25'	ROCK DEPTH
SIZE AND TYPE OF BIT		NO. SAMPLES	DIST. UNDIST. CORE
CASING		WATER LEVEL	FIRST 12' COMPL. 24 HR.
CASING HAMMER	WEIGHT	DROP	
SAMPLER		FOREMAN Tim Kelly	
SAMPLER HAMMER		WEIGHT	
		DROP	
		LOGGED BY Kyle Twombly	

DEPTH SCALE	SAMPLE DESCRIPTION	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
		NO. LOC.	TYPE	RECOV. FT.	RENETR. / 100 FT. / 1006 IN.	
1	R1a (0-18") Brown medium SAND, trace fine sand, trace silt, trace pebbles, asphalt, concrete (moist) [FILL]				0.0	
2	R1b (18-36") Brown medium SAND, trace fine sand, trace pebbles (moist) [FILL]				0.0	
3		R1	Macro	40/60"	0.0	
4						
5						
6						
7	R2 (0-42") Brown fine SAND trace silt, trace medium sand (moist)				0.0	
8		R2	Macro	42/60"	0.0	
9					0.0	
10					0.0	
11	R3a (0-22") Brown fine SAND, trace silt, trace pebbles (moist)				0.0	Install MW-43 to 20 ft screened 10-20 ft
12					0.0	
13	R3b (22-50") Brown silty SAND, trace clay (wet)	R3	Macro	50/60"	0.0	∇
14					0.0	

LANGAN

JOB NO. 140115301

LOG OF BORING NO. SB-43/MW-43

DATE 7/25/20

SHEET 2 OF 2

SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
		NO. LOC.	TYPE	RECOV. FT.	PENETR. RESIST. BL/6 in.	
	15				0.0	
	16					
R4 (0-35") Brown silty SAND, trace clay (wet)	17	R4	Macro	35/60"	0.0	
	18				0.0	
	19				0.0	
	20				0.0	
R5a (0-42") Greyish brown clayey silt, trace fine sand (wet)	21	R5	Macro	60/60"	0.0	
	22				0.0	
	23				0.0	
	24				0.0	
R5b (42-60") Brown silty SAND, trace clay (wet)	25				0.0	
						E.O.B.

Project Information		Well Information		Equipment Information		Sampling Conditions		Sampling Information	
Project Name:	714 East 241st Street	Well No:	MW-08B	Water Quality Device Model:	Horiba U-52	Weather:	Clear, 80s	Sample(s):	MW-08B_080520
Project Number:	140115301	Well Depth:	17 feet	US Number:	N3K528PM	Background PID (ppm):	0.3		
Site Location:	Bronx, NY	Well Diameter:	2-inches	Pump Make and Model:	Peristaltic Pump	PID Beneath Inner Cap (ppm):	850		
Sampling Personnel:	Kyle Twombly	Well Screen Interval:	7 feet	US Number:	G6374U	Pump Intake Depth:	15 feet		
			17 feet	Tubing Diameter:	1/4" OD 1/6" ID	Depth to Water Before Purge:	10.43	Sample Date:	8/5/2020
				STABILIZATION = 3 successive readings within limits				Sample Time:	8:45

TIME	TEMP	PH	ORP	CONDUCTIVITY	TURBIDITY	DO	DTW	Flow Rate	Cumulative	NOTES	Stabilized?
	°Celsius		mV	mS/cm	ntu	mg/l	ft	(gpm)	Discharge	color, odor etc.	
	(+/- 3%)	(+/- 0.1)	(+/- 10mV)	(+/- 3%)	(+/- 10%) above 5 NTU	(+/- 10%) above 0.5 mg/l	Drawdown < 0.33 ft	<0.13 gpm)	Volume (Gal)		
BEGIN PURGING											
0:00	19.45	6.89	-201	2.240	423.0	4.97	11.40			Clear, strong gasoline odor	N/A
0:05	18.65	6.65	-197	2.010	161.0	2.56	11.40				N/A
0:10	18.33	6.64	-181	1.890	50.0	1.78	11.40				N
0:15	18.03	6.63	-173	1.880	17.5	1.43	11.40				N
0:20	17.76	6.63	-165	1.890	9.1	1.11	11.40				N
0:25	17.75	6.62	-167	1.910	4.6	0.89	11.40				N
0:30	17.76	6.61	-163	1.880	3.3	0.87	13.50				N
0:35	17.72	6.60	-161	1.870	2.5	0.84	13.50				Y

Notes:

- Well depths and groundwater depths were measured in feet below the top of well casing.
- Well and tubing diameters are measured in inches.
- PID = Photoionization Detector
- PPM = Parts per million
- pH = Hydrogen ion concentration
- ORP = Oxidation-reduction potential, measured in millivolts (mV)
- DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)
- DTW = Depth to water
- mS/cm = milli-Siemens per centimeter
- NTU = Nephelometric Turbidity Unit

Project Information		Well Information		Equipment Information		Sampling Conditions		Sampling Information	
Project Name:	714 East 241st Street	Well No:	MW-16B	Water Quality Device Model:	Horiba U-52	Weather:	Clear, 80s	Sample(s):	MW-16B_080520
Project Number:	140115301	Well Depth:	20 feet	US Number:	N3K528PM	Background PID (ppm):	0.3		
Site Location:	Bronx, NY	Well Diameter:	2-inches	Pump Make and Model:	Peristaltic Pump	PID Beneath Inner Cap (ppm):	0	Sample Date:	8/5/2020
Sampling Personnel:	Kyle Twombly	Well Screen Interval:	10.18 feet	US Number:	G6374U	Pump Intake Depth:	17 feet		
			20.18 feet	Tubing Diameter:	1/4" OD 1/6" ID	Depth to Water Before Purge:	11.87	Sample Time:	9:30

STABILIZATION = 3 successive readings within limits

TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5 NTU	DO mg/l (+/- 10%) above 0.5 mg/l	DTW ft Drawdown < 0.33 ft	Flow Rate (gpm) <0.13 gpm)	Cumulative Discharge Volume (Gal)	NOTES color, odor etc.	Stabilized?
BEGIN PURGING											
0:00	21.56	7.03	-3	0.893	124.0	3.54	13.40			Clear, no odor	N/A
0:05	20.55	7.03	-45	0.788	65.7	2.98	13.40				N/A
0:10	19.43	7.04	-56	0.760	33.4	2.45	13.40				N
0:15	18.02	7.05	-57	0.698	12.5	2.01	13.40				N
0:20	17.56	7.06	-57	0.686	4.9	1.98	13.40				N
0:25	16.98	7.07	-57	0.686	4.4	1.98	13.40				N
0:30	16.99	7.06	-56	0.686	2.3	1.93	13.40				N
0:35	16.95	7.06	-54	0.686	2.3	1.84	13.40				Y

- Notes:**
- 1. Well depths and groundwater depths were measured in feet below the top of well casing.
 - 2. Well and tubing diameters are measured in inches.
 - 3. PID = Photoionization Detector
 - 4. PPM = Parts per million
 - 5. pH = Hydrogen ion concentration
 - 6. ORP = Oxidation-reduction potential, measured in millivolts (mV)
 - 7. DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)
 - 8. DTW = Depth to water
 - 9. mS/cm = milli-Siemens per centimeter
 - 10. NTU = Nephelometric Turbidity Unit

Project Information		Well Information		Equipment Information		Sampling Conditions		Sampling Information	
Project Name:	714 East 241st Street	Well No:	MW-17B	Water Quality Device Model:	Horiba U-52	Weather:	Clear, 80s	Sample(s):	MW-17B_080520
Project Number:	140115301	Well Depth:	20 feet	US Number:	N3K528PM	Background PID (ppm):	0.3		
Site Location:	Bronx, NY	Well Diameter:	2-inches	Pump Make and Model:	Peristaltic Pump	PID Beneath Inner Cap (ppm):	0	Sample Date:	8/5/2020
Sampling Personnel:	Kyle Twombly	Well Screen Interval:	10 feet	US Number:	G6374U	Pump Intake Depth:	17 feet		
		Interval:	20 feet	Tubing Diameter:	1/4" OD 1/6" ID	Depth to Water Before Purge:	10.6	Sample Time:	10:30

STABILIZATION = 3 successive readings within limits

TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5 NTU	DO mg/l (+/- 10%) above 0.5 mg/l	DTW ft Drawdown < 0.33 ft	Flow Rate (gpm) <0.13 gpm)	Cumulative Discharge Volume (Gal)	NOTES color, odor etc.	Stabilized?
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BEGIN PURGING

0:00	20.67	6.82	-145	0.843	25.4	0.65	13.40			Clear, no odor	N/A
0:05	18.54	6.81	-155	0.854	9.2	0.00	13.40				N/A
0:10	17.54	6.79	-156	0.854	4.5	0.00	13.40				N
0:15	17.52	6.77	-156	0.854	3.9	0.00	13.40				N
0:20	17.48	6.75	-155	0.854	4.1	0.00	13.40				Y

- Notes:**
- Well depths and groundwater depths were measured in feet below the top of well casing.
 - Well and tubing diameters are measured in inches.
 - PID = Photoionization Detector
 - PPM = Parts per million
 - pH = Hydrogen ion concentration
 - ORP = Oxidation-reduction potential, measured in millivolts (mV)
 - DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)
 - DTW = Depth to water
 - mS/cm = milli-Siemens per centimeter
 - NTU = Nephelometric Turbidity Unit

Project Information		Well Information		Equipment Information		Sampling Conditions		Sampling Information	
Project Name:	714 East 241st Street	Well No:	MW-40	Water Quality Device Model:	Horiba U-52	Weather:	Overcast, 70-80s	Sample(s):	MW-40_080420
Project Number:	140115301	Well Depth:	17.97	US Number:	N3K528PM	Background PID (ppm):	0.3		
Site Location:	Bronx, NY	Well Diameter:	2-inches	Pump Make and Model:	Peristaltic Pump	PID Beneath Inner Cap (ppm):	1533	Sample Date:	8/4/2020
Sampling Personnel:	Kyle Twombly	Well Screen Interval:	7.97	US Number:	G6374U	Pump Intake Depth:	16 feet		Sample Time:
			17.97	Tubing Diameter:	1/4" OD 1/6" ID	Depth to Water Before Purge:	10.6		

STABILIZATION = 3 successive readings within limits

TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5 NTU	DO mg/l (+/- 10%) above 0.5 mg/l	DTW ft Drawdown < 0.33 ft	Flow Rate (gpm) <0.13 gpm	Cumulative Discharge Volume (Gal)	NOTES color, odor etc.	Stabilized?
BEGIN PURGING											
0:00	20.24	6.95	-204	1.230	1000.0	5.67	14.00			Muddy brown	N/A
0:05	19.03	7.03	-195	0.980	1000.0	3.56	17.00			Strong Gasoline	N/A
0:10	18.43	7.04	-186	0.950	867.0	2.11	17.00			odor	N
0:15	17.88	7.05	-167	0.950	678.0	0.86	16.50			Poor well recharge	N
0:20	17.22	7.05	-145	0.950	711.0	0.95	17.00				N
0:25	16.98	7.04	-139	0.950	567.0	1.45	17.00				N
0:30	16.75	7.03	-137	0.950	634.0	0.86	17.00				N
0:35	16.78	7.04	-131	0.950	456.0	1.34	17.00				N
0:40	16.73	7.04	-129	0.950	478.0	1.20	17.00				N
0:45	16.71	7.04	-130	0.950	511.0	1.02	16.50				N
0:50	16.70	7.04	-131	0.950	904.0	1.14	17.00				N
0:55	16.68	7.04	-130	0.950	1000.0	1.02	17.00				N
1:00	16.66	7.05	-130	0.950	1000.0	0.98	17.00				N
1:05											N
1:10											N
1:15											N
1:20											N
1:25											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N

- Notes:**
- Well depths and groundwater depths were measured in feet below the top of well casing.
 - Well and tubing diameters are measured in inches.
 - PID = Photoionization Detector
 - PPM = Parts per million
 - pH = Hydrogen ion concentration
 - ORP = Oxidation-reduction potential, measured in millivolts (mV)
 - DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)
 - DTW = Depth to water
 - mS/cm = milli-Siemens per centimeter
 - NTU = Nephelometric Turbidity Unit

Project Information		Well Information		Equipment Information		Sampling Conditions		Sampling Information	
Project Name:	714 East 241st Street	Well No:	MW-41	Water Quality Device Model:	Horiba U-52	Weather:	Overcast, 70-80s	Sample(s):	MW-41_080420
Project Number:	140115301	Well Depth:	18.02	US Number:	N3K528PM	Background PID (ppm):	0.3		
Site Location:	Bronx, NY	Well Diameter:	2-inches	Pump Make and Model:	Peristaltic Pump	PID Beneath Inner Cap (ppm):	1206		
Sampling Personnel:	Kyle Twombly	Well Screen Interval:	8.02	US Number:	G6374U	Pump Intake Depth:	16 feet	Sample Date:	8/4/2020
			18.02	Tubing Diameter:	1/4" OD 1/6" ID	Depth to Water Before Purge:	10.04	Sample Time:	10:30

STABILIZATION = 3 successive readings within limits

TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5 NTU	DO mg/l (+/- 10%) above 0.5 mg/l	DTW ft Drawdown < 0.33 ft	Flow Rate (gpm) <0.13 gpm)	Cumulative Discharge Volume (Gal)	NOTES color, odor etc.	Stabilized?
BEGIN PURGING											
0:00	20.35	7.05	-75	0.760	786.0	3.45	11.40			Clear	N/A
0:05	19.98	6.97	-67	0.760	233.0	1.22	11.40			Strong Gasoline odor	N/A
0:10	18.76	6.88	-54	0.760	87.0	0.86	11.40				N
0:15	17.65	6.85	-45	0.760	45.0	0.89	11.40				N
0:20	17.32	6.84	-43	0.760	20.0	0.90	11.40				N
0:25	17.11	6.82	-44	0.760	4.6	0.91	11.40				N
0:30	17.02	6.80	-39	0.760	4.7	0.98	11.40				N
0:35	17.01	6.78	-40	0.760	4.1	0.96	11.40				Y
0:40											
0:45											
0:50											
0:55											
1:00											
1:05											
1:10											
1:15											
1:20											
1:25											

- Notes:**
1. Well depths and groundwater depths were measured in feet below the top of well casing.
 2. Well and tubing diameters are measured in inches.
 3. PID = Photoionization Detector
 4. PPM = Parts per million
 5. pH = Hydrogen ion concentration
 6. ORP = Oxidation-reduction potential, measured in millivolts (mV)
 7. DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)
 8. DTW = Depth to water
 9. mS/cm = milli-Siemens per centimeter
 10. NTU = Nephelometric Turbidity Unit

Project Information		Well Information		Equipment Information		Sampling Conditions		Sampling Information			
Project Name:	714 East 241st Street	Well No:	MW-42	Water Quality Device Model:	Horiba U-52	Weather:	Overcast, 70-80s	Sample(s):	MW-42_080420		
Project Number:	140115301	Well Depth:	18.05	US Number:	N3K528PM	Background PID (ppm):	0.3				
Site Location:	Bronx, NY	Well Diameter:	2-inches	Pump Make and Model:	Peristaltic Pump	PID Beneath Inner Cap (ppm):	1003	Sample Date:	8/4/2020		
Sampling Personnel:	Kyle Twombly	Well Screen Interval:	8.05	US Number:	G6374U	Pump Intake Depth:	16 feet		Sample Time:	10:30	
			18.05	Tubing Diameter:	1/4" OD 1/6" ID	Depth to Water Before Purge:	9.82				
STABILIZATION = 3 successive readings within limits											
TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5 NTU	DO mg/l (+/- 10%) above 0.5 mg/l	DTW ft Drawdown < 0.33 ft	Flow Rate (gpm) <0.13 gpm	Cumulative Discharge Volume (Gal)	NOTES color, odor etc.	Stabilized?
BEGIN PURGING											
0:00	20.65	7.00	-101	1.230	102.0	1.15	12.00			Clear	N/A
0:05	19.91	6.97	-102	1.210	87.7	0.71	12.00			Strong Gasoline odor	N/A
0:10	19.45	6.89	-98	1.190	34.5	1.27	12.00				N
0:15	19.03	6.76	-93	1.180	12.3	1.23	12.00				N
0:20	18.43	6.78	-86	1.180	7.5	1.16	12.00				N
0:25	17.65	6.79	-81	1.180	3.4	1.20	12.00				N
0:30	17.63	6.80	-81	1.180	2.3	1.17	12.00				N
0:35	17.59	6.78	-80	1.180	1.9	1.10	12.00				Y
0:40											
0:45											
0:50											
0:55											
1:00											
1:05											
1:10											
1:15											
1:20											
1:25											

- Notes:**
1. Well depths and groundwater depths were measured in feet below the top of well casing.
 2. Well and tubing diameters are measured in inches.
 3. PID = Photoionization Detector
 4. PPM = Parts per million
 5. pH = Hydrogen ion concentration
 6. ORP = Oxidation-reduction potential, measured in millivolts (mV)
 7. DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)
 8. DTW = Depth to water
 9. mS/cm = milli-Siemens per centimeter
 10. NTU = Nephelometric Turbidity Unit

Project Information		Well Information		Equipment Information			Sampling Conditions			Sampling Information	
Project Name:	714 East 241st Street	Well No:	MW-43	Water Quality Device Model:	Horiba U-52	Weather:	Overcast, 70-80s	Sample(s):	MW-43_080520		
Project Number:	140115301	Well Depth:	20.03	US Number:	N3K528PM	Background PID (ppm):	0.3	Sample(s):	DUP01_080520		
Site Location:	Bronx, NY	Well Diameter:	2-inches	Pump Make and Model:	Peristaltic Pump	PID Beneath Inner Cap (ppm):	5.5	Sample Date:	8/5/2020		
Sampling Personnel:	Kyle Twombly	Well Screen Interval:	10.03	US Number:	G6374U	Pump Intake Depth:	18 Feet	Sample Time:	8:00		
STABILIZATION = 3 successive readings within limits											
TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5 NTU	DO mg/l (+/- 10%) above 0.5 mg/l	DTW ft Drawdown < 0.33 ft	Flow Rate (gpm) <0.13 gpm	Cumulative Discharge Volume (Gal)	NOTES color, odor etc.	Stabilized?
BEGIN PURGING											
0:00	19.88	7.08	-98	0.670	87.6	2.11	12.00			Clear	N/A
0:05	18.76	7.10	-87	0.680	34.5	1.76	12.00			Strong Gasoline	N/A
0:10	18.02	7.11	-88	0.680	10.3	1.45	12.00			odor	N
0:15	17.55	7.13	-88	0.680	10.4	1.23	12.00				N
0:20	17.56	7.13	-89	0.680	10.8	1.16	12.00				N
0:25	17.60	7.12	-88	0.680	10.4	1.20	12.00				Y
0:30											
0:35											
0:40											
0:45											
0:50											
0:55											
1:00											
1:05											
1:10											
1:15											
1:20											
1:25											

Notes:
1. Well depths and groundwater depths were measured in feet below the top of well casing.
2. Well and tubing diameters are measured in inches.
3. PID = Photoionization Detector
4. PPM = Parts per million
5. pH = Hydrogen ion concentration
6. ORP = Oxidation-reduction potential, measured in millivolts (mV)
7. DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)
8. DTW = Depth to water
9. mS/cm = milli-Siemens per centimeter
10. NTU = Nephelometric Turbidity Unit

WELL CONSTRUCTION AND DEVELOPMENT SUMMARY

Well No.

MW-40

PROJECT		PROJECT NO.	
714 East 241st Street		140115301	
LOCATION		ELEVATION AND DATUM	
Bronx, NY		el. NA NAVD88	
DRILLING AGENCY		DATE STARTED	DATE FINISHED
Lakewood Environmental Solutions		7/25/2020	7/25/2020
DRILLING EQUIPMENT		DRILLER	
Geoprobe® 6610 DT		Tim Kelly	
SIZE AND TYPE OF BIT		INSPECTOR	
2-inch Direct Push		Kyle Twombly	
BOREHOLE DIAMETER		TYPE OF WELL (OVERBURDEN / BEDROCK)	
2-inches		Overburden	
RISER MATERIAL	DIAMETER	TYPE OF BACKFILL MATERIAL	
PVC	2-inches	No. 2 Sand	
TYPE OF SCREEN	DIAMETER	TYPE OF WELL PACK	TYPE OF SEAL MATERIAL
PVC No. 10 Slot	2-inches	No. 2 Sand	Neat Grout
METHOD OF INSTALLATION			
<p>Geoprobe 6610 DT was used to advance the well to approximately 17.97 feet bgs. A two-inch (2") PVC monitoring well was installed which consisted of 10' of 10 slot (0.010-inch) well screen, and a solid 2" PVC riser. Well screen was installed from approximately 7.97 to 17.97 feet bgs with riser from 7.97 feet bgs to surface. Wells were finished with a flush mounted road box and concrete pad.</p>			
WELL DEVELOPMENT DATA			
SURGE BLOCK DIAMETER	2-inches	TYPE PUMP	Submersible
DRILLER OR LANGAN	Driller	MAX PUMP RATE	1 LPM
NUMBER OF SURGE CYCLES	3	TOTAL VOLUME	3 gallons
Well developed from 10:30-10:50 AM until purged groundwater was no longer turbid.			
TOP OF CASING	ELEVATION	DEPTH (ft)	
	NA	0	
TOP OF SEAL	ELEVATION	DEPTH (ft)	
		1	
TOP OF FILTER	ELEVATION	DEPTH (ft)	
		NA	
TOP OF SCREEN	ELEVATION	DEPTH (ft)	
		7.97	
BOTTOM OF WELL	ELEVATION	DEPTH (ft)	
		17.97	
SCREEN LENGTH			
		10	
SLOT SIZE			
	No. 10 Slot; 0.010 Inches		
			1
			NA
			8
			18
GROUNDWATER ELEVATIONS			
ELEVATION	DATE	DEPTH TO WATER	
	8/4/2020	9.57 ft	
ELEVATION	DATE	DEPTH TO WATER	
		ft	
ELEVATION	DATE	DEPTH TO WATER	
ELEVATION	DATE	DEPTH TO WATER	
ELEVATION	DATE	DEPTH TO WATER	
ELEVATION	DATE	DEPTH TO WATER	
LANGAN Engineering, Inc.			
555 Long Warf Drive, New Haven, CT 06511			

WELL CONSTRUCTION AND DEVELOPMENT SUMMARY

Well No.

MW-41

PROJECT			PROJECT NO.			
714 East 241st Street			140115301			
LOCATION			ELEVATION AND DATUM			
Bronx, NY			el. NA		NAVD88	
DRILLING AGENCY			DATE STARTED		DATE FINISHED	
Lakewood Environmental Solutions			7/25/2020		7/25/2020	
DRILLING EQUIPMENT			DRILLER			
Geoprobe® 6610 DT			Tim Kelly			
SIZE AND TYPE OF BIT			INSPECTOR			
2-inch Direct Push			Kyle Twombly			
BOREHOLE DIAMETER			TYPE OF WELL (OVERBURDEN / BEDROCK)			
2-inches			Overburden			
RISER MATERIAL		DIAMETER	TYPE OF BACKFILL MATERIAL			
PVC		2-inches	No. 2 Sand			
TYPE OF SCREEN		DIAMETER	TYPE OF WELL PACK		TYPE OF SEAL MATERIAL	
PVC No. 10 Slot		2-inches	No. 2 Sand		Neat Grout	
METHOD OF INSTALLATION						
<p>Geoprobe 6610 DT was used to advance the well to approximately 18.02 feet bgs. A two-inch (2") PVC monitoring well was installed which consisted of 10' of 10 slot (0.010-inch) well screen, and a solid 2" PVC riser. Well screen was installed from approximately 8.02 to 18.02 feet bgs with riser from 8.02 feet bgs to surface. Wells were finished with a flush mounted road box and concrete pad.</p>						
WELL DEVELOPMENT DATA						
SURGE BLOCK DIAMETER		2-inches	TYPE PUMP		Submersible	
DRILLER OR LANGAN		Driller	MAX PUMP RATE		1 LPM	
NUMBER OF SURGE CYCLES		3	TOTAL VOLUME		3 gallons	
Well developed from 12:00-12:30 PM until purged groundwater was no longer turbid.						
TOP OF CASING	ELEVATION	DEPTH (ft)			SUMMARY SOIL CLASSIFICATION	
	NA	0			DEPTH (FT)	
TOP OF SEAL	ELEVATION	DEPTH (ft)			0	
		1				
TOP OF FILTER	ELEVATION	DEPTH (ft)				
		NA				
TOP OF SCREEN	ELEVATION	DEPTH (ft)				
		8.02				
BOTTOM OF WELL	ELEVATION	DEPTH (ft)				
		18.02				
SCREEN LENGTH						1
		10				
SLOT SIZE						NA
		No. 10 Slot; 0.010 Inches		8		
GROUNDWATER ELEVATIONS						
ELEVATION	DATE	DEPTH TO WATER				
	8/4/2020	10.04 ft				
ELEVATION	DATE	DEPTH TO WATER				
		ft				
ELEVATION	DATE	DEPTH TO WATER				
ELEVATION	DATE	DEPTH TO WATER				
ELEVATION	DATE	DEPTH TO WATER				
					18	
ELEVATION	DATE	DEPTH TO WATER				
LANGAN Engineering, Inc.						
555 Long Warf Drive, New Haven, CT 06511						

WELL CONSTRUCTION AND DEVELOPMENT SUMMARY

Well No.

MW-42

PROJECT			PROJECT NO.			
714 East 241st Street			140115301			
LOCATION			ELEVATION AND DATUM			
Bronx, NY			el. NA		NAVD88	
DRILLING AGENCY			DATE STARTED		DATE FINISHED	
Lakewood Environmental Solutions			7/25/2020		7/25/2020	
DRILLING EQUIPMENT			DRILLER			
Geoprobe® 6610 DT			Tim Kelly			
SIZE AND TYPE OF BIT			INSPECTOR			
2-inch Direct Push			Kyle Twombly			
BOREHOLE DIAMETER			TYPE OF WELL (OVERBURDEN / BEDROCK)			
2-inches			Overburden			
RISER MATERIAL		DIAMETER	TYPE OF BACKFILL MATERIAL			
PVC		2-inches	No. 2 Sand			
TYPE OF SCREEN		DIAMETER	TYPE OF WELL PACK		TYPE OF SEAL MATERIAL	
PVC No. 10 Slot		2-inches	No. 2 Sand		Neat Grout	
METHOD OF INSTALLATION						
<p>Geoprobe 6610 DT was used to advance the well to approximately 18.05 feet bgs. A two-inch (2") PVC monitoring well was installed which consisted of 10' of 10 slot (0.010-inch) well screen, and a solid 2" PVC riser. Well screen was installed from approximately 8.05 to 18.05 feet bgs with riser from 8.05 feet bgs to surface. Wells were finished with a flush mounted road box and concrete pad.</p>						
WELL DEVELOPMENT DATA						
SURGE BLOCK DIAMETER		2-inches	TYPE PUMP		Submersible	
DRILLER OR LANGAN		Driller	MAX PUMP RATE		1 LPM	
NUMBER OF SURGE CYCLES		3	TOTAL VOLUME		3 gallons	
Well developed from 9:00-9:30 AM until purged groundwater was no longer turbid.						
TOP OF CASING	ELEVATION	DEPTH (ft)			SUMMARY SOIL CLASSIFICATION	
	NA	0			DEPTH (FT)	
TOP OF SEAL	ELEVATION	DEPTH (ft)			0	
		1				
TOP OF FILTER	ELEVATION	DEPTH (ft)				
		NA				
TOP OF SCREEN	ELEVATION	DEPTH (ft)				
		8.05				
BOTTOM OF WELL	ELEVATION	DEPTH (ft)				
		18.05				
SCREEN LENGTH		10				
SLOT SIZE	No. 10 Slot; 0.010 Inches					
						1
				NA		
				8		
GROUNDWATER ELEVATIONS						
ELEVATION	DATE	DEPTH TO WATER				
	8/4/2020	10.04 ft				
ELEVATION	DATE	DEPTH TO WATER				
		ft				
ELEVATION	DATE	DEPTH TO WATER				
ELEVATION	DATE	DEPTH TO WATER				
ELEVATION	DATE	DEPTH TO WATER				
					18	
ELEVATION	DATE	DEPTH TO WATER				
LANGAN Engineering, Inc.						
555 Long Warf Drive, New Haven, CT 06511						

WELL CONSTRUCTION AND DEVELOPMENT SUMMARY

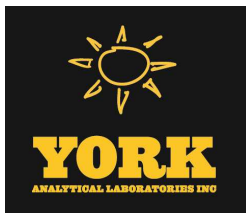
Well No.

MW-43

PROJECT			PROJECT NO.				
714 East 241st Street			140115301				
LOCATION			ELEVATION AND DATUM				
Bronx, NY			el. NA		NAVD88		
DRILLING AGENCY			DATE STARTED		DATE FINISHED		
Lakewood Environmental Solutions			7/25/2020		7/25/2020		
DRILLING EQUIPMENT			DRILLER				
Geoprobe® 6610 DT			Tim Kelly				
SIZE AND TYPE OF BIT			INSPECTOR				
2-inch Direct Push			Kyle Twombly				
BOREHOLE DIAMETER			TYPE OF WELL (OVERBURDEN / BEDROCK)				
2-inches			Overburden				
RISER MATERIAL		DIAMETER	TYPE OF BACKFILL MATERIAL				
PVC		2-inches	No. 2 Sand				
TYPE OF SCREEN		DIAMETER	TYPE OF WELL PACK		TYPE OF SEAL MATERIAL		
PVC No. 10 Slot		2-inches	No. 2 Sand		Neat Grout		
METHOD OF INSTALLATION							
<p>Geoprobe 6610 DT was used to advance the well to approximately 20.03 feet bgs. A two-inch (2") PVC monitoring well was installed which consisted of 12' of 10 slot (0.010-inch) well screen, and a solid 2" PVC riser. Well screen was installed from approximately 8.03 to 20.03 feet bgs with riser from 8.05 feet bgs to surface. Wells were finished with a flush mounted road box and concrete pad.</p>							
WELL DEVELOPMENT DATA							
SURGE BLOCK DIAMETER		2-inches	TYPE PUMP		Submersible		
DRILLER OR LANGAN		Driller	MAX PUMP RATE		1 LPM		
NUMBER OF SURGE CYCLES		3	TOTAL VOLUME		3 gallons		
Well developed from 2:00-2:30 PM until purged groundwater was no longer turbid.							
TOP OF CASING	ELEVATION	DEPTH (ft)	<p>The diagram illustrates a vertical well construction. At the top is a 'Cover'. Below it is a 'Riser' pipe. A 'Seal' is located at a depth of 1 foot. Below the seal is a 'PVC Screen' section. The well extends to a depth of 20.03 feet. Arrows point to the 'Cover', 'Riser', 'Seal', and 'PVC Screen' components.</p>		SUMMARY SOIL CLASSIFICATION	DEPTH (FT)	
	NA	0					
TOP OF SEAL	ELEVATION	DEPTH (ft)					0
		1					
TOP OF FILTER	ELEVATION	DEPTH (ft)					
		NA					
TOP OF SCREEN	ELEVATION	DEPTH (ft)					
		8.03					
BOTTOM OF WELL	ELEVATION	DEPTH (ft)					
		20.03					
SCREEN LENGTH		12					1
SLOT SIZE	No. 10 Slot; 0.010 Inches						NA
							8
GROUNDWATER ELEVATIONS							
ELEVATION	DATE	DEPTH TO WATER					
	8/5/2020	10.91 ft					
ELEVATION	DATE	DEPTH TO WATER					
		ft					
ELEVATION	DATE	DEPTH TO WATER					
ELEVATION	DATE	DEPTH TO WATER					
ELEVATION	DATE	DEPTH TO WATER					
					20		
ELEVATION	DATE	DEPTH TO WATER					
LANGAN Engineering, Inc.							
555 Long Warf Drive, New Haven, CT 06511							

Appendix C

Laboratory Analytical Reports



Technical Report

prepared for:

Langan Engineering & Environmental Services (CT)

Long Wharf Maritime Center, 555 Long Wharf Drive

New Haven CT, 06511-6107

Attention: Ryan Wohlstrom

Report Date: 08/05/2020

Client Project ID: 140115301

York Project (SDG) No.: 20G0969



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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RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 08/05/2020
Client Project ID: 140115301
York Project (SDG) No.: 20G0969

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

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 July 27, 2020 and listed below. The project was identified as your project: **140115301**.

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>
20G0969-01	SB-40_11-20	Soil	07/25/2020	07/27/2020
20G0969-02	SB-40_20-23	Soil	07/25/2020	07/27/2020
20G0969-03	SB-41_11-20	Soil	07/25/2020	07/27/2020
20G0969-04	SB-41_20-23	Soil	07/25/2020	07/27/2020
20G0969-05	SB-42_12-15	Soil	07/25/2020	07/27/2020
20G0969-06	SB-42_17-20	Soil	07/25/2020	07/27/2020
20G0969-07	SB-43_8-18	Soil	07/25/2020	07/27/2020
20G0969-08	DUP01_072520	Soil	07/25/2020	07/27/2020

General Notes for York Project (SDG) No.: 20G0969

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

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 08/05/2020





Sample Information

Client Sample ID: SB-40_11-20

York Sample ID: 20G0969-01

<u>York Project (SDG) No.</u> 20G0969	<u>Client Project ID</u> 140115301	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 25, 2020 10:30 am	<u>Date Received</u> 07/27/2020
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	4700	9400	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	4700	9400	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	4700	9400	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	4700	9400	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	4700	9400	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	4700	9400	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	4700	9400	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	4700	9400	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	4700	9400	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	4700	9400	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP
95-63-6	1,2,4-Trimethylbenzene	97000		ug/kg dry	4700	9400	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	4700	9400	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	4700	9400	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	4700	9400	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	4700	9400	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	4700	9400	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP
108-67-8	1,3,5-Trimethylbenzene	24000		ug/kg dry	4700	9400	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	4700	9400	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	4700	9400	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP
123-91-1	1,4-Dioxane	ND		ug/kg dry	94000	190000	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP
78-93-3	2-Butanone	ND		ug/kg dry	4700	9400	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP



Sample Information

Client Sample ID: SB-40_11-20

York Sample ID: 20G0969-01

<u>York Project (SDG) No.</u> 20G0969	<u>Client Project ID</u> 140115301	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 25, 2020 10:30 am	<u>Date Received</u> 07/27/2020
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/kg dry	4700	9400	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	4700	9400	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP
67-64-1	Acetone	ND		ug/kg dry	9400	19000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP
107-02-8	Acrolein	ND		ug/kg dry	9400	19000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP
107-13-1	Acrylonitrile	ND		ug/kg dry	4700	9400	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP
71-43-2	Benzene	8700	J	ug/kg dry	4700	9400	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP
74-97-5	Bromochloromethane	ND		ug/kg dry	4700	9400	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP
75-27-4	Bromodichloromethane	ND		ug/kg dry	4700	9400	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP
75-25-2	Bromoform	ND		ug/kg dry	4700	9400	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP
74-83-9	Bromomethane	ND		ug/kg dry	4700	9400	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP
75-15-0	Carbon disulfide	ND		ug/kg dry	4700	9400	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP
56-23-5	Carbon tetrachloride	ND		ug/kg dry	4700	9400	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP
108-90-7	Chlorobenzene	ND		ug/kg dry	4700	9400	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP
75-00-3	Chloroethane	ND		ug/kg dry	4700	9400	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP
67-66-3	Chloroform	ND		ug/kg dry	4700	9400	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP
74-87-3	Chloromethane	ND		ug/kg dry	4700	9400	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	4700	9400	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	4700	9400	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP
110-82-7	Cyclohexane	15000	ICV-E, QL-02	ug/kg dry	4700	9400	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP
124-48-1	Dibromochloromethane	ND		ug/kg dry	4700	9400	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP
74-95-3	Dibromomethane	ND		ug/kg dry	4700	9400	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	4700	9400	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP



Sample Information

Client Sample ID: SB-40_11-20

York Sample ID: 20G0969-01

<u>York Project (SDG) No.</u> 20G0969	<u>Client Project ID</u> 140115301	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 25, 2020 10:30 am	<u>Date Received</u> 07/27/2020
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	54000		ug/kg dry	4700	9400	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	4700	9400	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP
98-82-8	Isopropylbenzene	ND		ug/kg dry	4700	9400	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP
79-20-9	Methyl acetate	ND		ug/kg dry	4700	9400	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	4700	9400	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP
108-87-2	Methylcyclohexane	53000		ug/kg dry	4700	9400	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP
75-09-2	Methylene chloride	ND		ug/kg dry	9400	19000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP
104-51-8	n-Butylbenzene	ND		ug/kg dry	4700	9400	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP
103-65-1	n-Propylbenzene	14000		ug/kg dry	4700	9400	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP
95-47-6	o-Xylene	88000		ug/kg dry	4700	9400	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	07/31/2020 06:22	07/31/2020 18:11	TMP
179601-23-1	p- & m- Xylenes	200000		ug/kg dry	9400	19000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	07/31/2020 06:22	07/31/2020 18:11	TMP
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	4700	9400	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP
135-98-8	sec-Butylbenzene	ND		ug/kg dry	4700	9400	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP
100-42-5	Styrene	ND		ug/kg dry	4700	9400	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	4700	9400	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	4700	9400	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP
127-18-4	Tetrachloroethylene	ND		ug/kg dry	4700	9400	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP
108-88-3	Toluene	200000		ug/kg dry	4700	9400	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	4700	9400	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	4700	9400	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP
79-01-6	Trichloroethylene	ND		ug/kg dry	4700	9400	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	4700	9400	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP



Sample Information

Client Sample ID: SB-40_11-20

York Sample ID: 20G0969-01

<u>York Project (SDG) No.</u> 20G0969	<u>Client Project ID</u> 140115301	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 25, 2020 10:30 am	<u>Date Received</u> 07/27/2020
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/kg dry	4700	9400	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP
1330-20-7	Xylenes, Total	290000		ug/kg dry	14000	28000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	07/31/2020 06:22	07/31/2020 18:11	TMP
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	93.7 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	98.6 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	97.9 %			76-130						

Total Petroleum Hydrocarbons-GRO (C5-C10)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	Total Petroleum Hydrocarbons-GRO	1660	B	mg/kg dry	18.0	100	EPA 8015D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2020 09:30	07/29/2020 18:07	SS	
Surrogate Recoveries		Result			Acceptance Range						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	225 %	S-08		70-130						

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	8210		mg/kg dry	5.61	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:29	KML
7440-36-0	Antimony	ND		mg/kg dry	2.80	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:29	KML
7440-38-2	Arsenic	ND		mg/kg dry	1.68	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:29	KML
7440-39-3	Barium	55.0		mg/kg dry	2.80	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:29	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.056	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:29	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.337	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:29	KML
7440-70-2	Calcium	2940		mg/kg dry	5.61	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:29	KML
7440-47-3	Chromium	16.6		mg/kg dry	0.561	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:29	KML
7440-48-4	Cobalt	8.80		mg/kg dry	0.449	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:29	KML



Sample Information

Client Sample ID: SB-40_11-20

York Sample ID: 20G0969-01

<u>York Project (SDG) No.</u> 20G0969	<u>Client Project ID</u> 140115301	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 25, 2020 10:30 am	<u>Date Received</u> 07/27/2020
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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	20.4	B	mg/kg dry	2.24	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:29	KML
7439-89-6	Iron	15800		mg/kg dry	28.0	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:29	KML
7439-92-1	Lead	6.77		mg/kg dry	0.561	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:29	KML
7439-95-4	Magnesium	3930		mg/kg dry	5.61	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:29	KML
7439-96-5	Manganese	418		mg/kg dry	0.561	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:29	KML
7440-02-0	Nickel	20.7		mg/kg dry	1.12	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:29	KML
7440-09-7	Potassium	1650	B	mg/kg dry	5.61	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:29	KML
7782-49-2	Selenium	ND		mg/kg dry	2.80	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:29	KML
7440-22-4	Silver	ND		mg/kg dry	0.561	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:29	KML
7440-23-5	Sodium	348		mg/kg dry	56.1	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:29	KML
7440-28-0	Thallium	ND		mg/kg dry	2.80	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:29	KML
7440-62-2	Vanadium	21.7		mg/kg dry	1.12	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:29	KML
7440-66-6	Zinc	37.7		mg/kg dry	2.80	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:29	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0337	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	07/27/2020 14:52	07/27/2020 19:53	MAO

Chemical Oxygen Demand (COD)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Chemical Oxygen Demand (COD)	3500		mg/kg dry	11	1	SM 5220 D Certifications:	08/03/2020 10:08	08/03/2020 14:43	JAG



Sample Information

Client Sample ID: SB-40_11-20

York Sample ID: 20G0969-01

York Project (SDG) No.
20G0969

Client Project ID
140115301

Matrix
Soil

Collection Date/Time
July 25, 2020 10:30 am

Date Received
07/27/2020

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	89.1		%	0.100	1	SM 2540G Certifications: CTDOH	07/27/2020 20:13	07/28/2020 10:52	WJM

Analyzed by: Phoenix Environmental Laboratories, Inc. S

Total Organic Carbon (TOC-SUB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: *** DEFAULT PREP ***

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	362		mg/kg	100	1	SW9060A Certifications:	07/28/2020 00:00	07/28/2020 00:00	PHO



Sample Information

Client Sample ID: SB-40_20-23

York Sample ID: 20G0969-02

<u>York Project (SDG) No.</u> 20G0969	<u>Client Project ID</u> 140115301	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 25, 2020 10:45 am	<u>Date Received</u> 07/27/2020
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Chemical Oxygen Demand (COD)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Chemical Oxygen Demand (COD)	700		mg/kg dry	11	1	SM 5220 D	08/03/2020 10:08	08/03/2020 14:43	JAG
Certifications:										

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	92.0		%	0.100	1	SM 2540G	07/27/2020 20:13	07/28/2020 10:52	WJM
Certifications: CTDOH										

Analyzed by: Phoenix Environmental Laboratories, Inc. S

Total Organic Carbon (TOC-SUB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: *** DEFAULT PREP ***

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	2150		mg/kg	100	1	SW9060A	07/28/2020 00:00	07/28/2020 00:00	PHO
Certifications:										



Sample Information

Client Sample ID: SB-41_11-20

York Sample ID: 20G0969-03

<u>York Project (SDG) No.</u> 20G0969	<u>Client Project ID</u> 140115301	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 25, 2020 12:15 pm	<u>Date Received</u> 07/27/2020
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	5600	11000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	5600	11000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	5600	11000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	5600	11000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	5600	11000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	5600	11000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	5600	11000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	5600	11000	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	5600	11000	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	5600	11000	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP
95-63-6	1,2,4-Trimethylbenzene	280000		ug/kg dry	5600	11000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	5600	11000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	5600	11000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	5600	11000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	5600	11000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	5600	11000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP
108-67-8	1,3,5-Trimethylbenzene	67000		ug/kg dry	5600	11000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	5600	11000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	5600	11000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP
123-91-1	1,4-Dioxane	ND		ug/kg dry	110000	220000	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP
78-93-3	2-Butanone	ND		ug/kg dry	5600	11000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP



Sample Information

Client Sample ID: SB-41_11-20

York Sample ID: 20G0969-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0969

140115301

Soil

July 25, 2020 12:15 pm

07/27/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/kg dry	5600	11000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	5600	11000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP
67-64-1	Acetone	11000	CCV-E, J	ug/kg dry	11000	22000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP
107-02-8	Acrolein	ND		ug/kg dry	11000	22000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP
107-13-1	Acrylonitrile	ND		ug/kg dry	5600	11000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP
71-43-2	Benzene	ND		ug/kg dry	5600	11000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP
74-97-5	Bromochloromethane	ND		ug/kg dry	5600	11000	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP
75-27-4	Bromodichloromethane	ND		ug/kg dry	5600	11000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP
75-25-2	Bromoform	ND		ug/kg dry	5600	11000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP
74-83-9	Bromomethane	ND		ug/kg dry	5600	11000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP
75-15-0	Carbon disulfide	ND		ug/kg dry	5600	11000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP
56-23-5	Carbon tetrachloride	ND		ug/kg dry	5600	11000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP
108-90-7	Chlorobenzene	ND		ug/kg dry	5600	11000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP
75-00-3	Chloroethane	ND		ug/kg dry	5600	11000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP
67-66-3	Chloroform	ND		ug/kg dry	5600	11000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP
74-87-3	Chloromethane	ND		ug/kg dry	5600	11000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	5600	11000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	5600	11000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP
110-82-7	Cyclohexane	9100	ICV-E, QL-02, J	ug/kg dry	5600	11000	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP
124-48-1	Dibromochloromethane	ND		ug/kg dry	5600	11000	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP
74-95-3	Dibromomethane	ND		ug/kg dry	5600	11000	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP



Sample Information

Client Sample ID: SB-41_11-20

York Sample ID: 20G0969-03

<u>York Project (SDG) No.</u> 20G0969	<u>Client Project ID</u> 140115301	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 25, 2020 12:15 pm	<u>Date Received</u> 07/27/2020
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	5600	11000	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP
100-41-4	Ethyl Benzene	110000		ug/kg dry	5600	11000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	5600	11000	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP
98-82-8	Isopropylbenzene	15000		ug/kg dry	5600	11000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP
79-20-9	Methyl acetate	ND		ug/kg dry	5600	11000	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	5600	11000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP
108-87-2	Methylcyclohexane	61000		ug/kg dry	5600	11000	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP
75-09-2	Methylene chloride	ND		ug/kg dry	11000	22000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP
104-51-8	n-Butylbenzene	8200	J	ug/kg dry	5600	11000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP
103-65-1	n-Propylbenzene	45000		ug/kg dry	5600	11000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP
95-47-6	o-Xylene	170000		ug/kg dry	5600	11000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	07/31/2020 06:22	07/31/2020 19:04	TMP
179601-23-1	p- & m- Xylenes	440000		ug/kg dry	11000	22000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	07/31/2020 06:22	07/31/2020 19:04	TMP
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	5600	11000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP
135-98-8	sec-Butylbenzene	ND		ug/kg dry	5600	11000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP
100-42-5	Styrene	ND		ug/kg dry	5600	11000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	5600	11000	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	5600	11000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP
127-18-4	Tetrachloroethylene	ND		ug/kg dry	5600	11000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP
108-88-3	Toluene	33000		ug/kg dry	5600	11000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	5600	11000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	5600	11000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP
79-01-6	Trichloroethylene	ND		ug/kg dry	5600	11000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP



Sample Information

Client Sample ID: SB-41_11-20

York Sample ID: 20G0969-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0969

140115301

Soil

July 25, 2020 12:15 pm

07/27/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	5600	11000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP
75-01-4	Vinyl Chloride	ND		ug/kg dry	5600	11000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP
1330-20-7	Xylenes, Total	610000		ug/kg dry	17000	34000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	07/31/2020 06:22	07/31/2020 19:04	TMP
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	87.6 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	96.8 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	101 %			76-130						

Total Petroleum Hydrocarbons-GRO (C5-C10)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	Total Petroleum Hydrocarbons-GRO	106	B	mg/kg dry	18.2	100	EPA 8015D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2020 09:30	07/29/2020 18:44	SS	
Surrogate Recoveries		Result			Acceptance Range						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	134 %	S-08		70-130						

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	7190		mg/kg dry	5.70	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:32	KML
7440-36-0	Antimony	ND		mg/kg dry	2.85	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:32	KML
7440-38-2	Arsenic	1.84		mg/kg dry	1.71	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:32	KML
7440-39-3	Barium	42.7		mg/kg dry	2.85	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:32	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.057	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:32	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.342	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:32	KML
7440-70-2	Calcium	2230		mg/kg dry	5.70	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:32	KML
7440-47-3	Chromium	15.0		mg/kg dry	0.570	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:32	KML



Sample Information

Client Sample ID: SB-41_11-20

York Sample ID: 20G0969-03

<u>York Project (SDG) No.</u> 20G0969	<u>Client Project ID</u> 140115301	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 25, 2020 12:15 pm	<u>Date Received</u> 07/27/2020
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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
7440-48-4	Cobalt	7.97		mg/kg dry	0.456	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:32	KML
7440-50-8	Copper	16.3	B	mg/kg dry	2.28	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:32	KML
7439-89-6	Iron	16200		mg/kg dry	28.5	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:32	KML
7439-92-1	Lead	5.45		mg/kg dry	0.570	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:32	KML
7439-95-4	Magnesium	2980		mg/kg dry	5.70	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:32	KML
7439-96-5	Manganese	212		mg/kg dry	0.570	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:32	KML
7440-02-0	Nickel	17.8		mg/kg dry	1.14	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:32	KML
7440-09-7	Potassium	1630	B	mg/kg dry	5.70	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:32	KML
7782-49-2	Selenium	ND		mg/kg dry	2.85	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:32	KML
7440-22-4	Silver	ND		mg/kg dry	0.570	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:32	KML
7440-23-5	Sodium	155		mg/kg dry	57.0	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:32	KML
7440-28-0	Thallium	ND		mg/kg dry	2.85	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:32	KML
7440-62-2	Vanadium	18.4		mg/kg dry	1.14	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:32	KML
7440-66-6	Zinc	33.5		mg/kg dry	2.85	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:32	KML

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	0.0342	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	07/27/2020 14:52	07/27/2020 20:03	MAO

Chemical Oxygen Demand (COD)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Chemical Oxygen Demand (COD)	1200		mg/kg dry	11	1	SM 5220 D Certifications:	08/03/2020 10:08	08/03/2020 14:43	JAG



Sample Information

Client Sample ID: SB-41_11-20

York Sample ID: 20G0969-03

York Project (SDG) No.
20G0969

Client Project ID
140115301

Matrix
Soil

Collection Date/Time
July 25, 2020 12:15 pm

Date Received
07/27/2020

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
solids	* % Solids	87.8		%	0.100	1	SM 2540G	07/27/2020 20:13	07/28/2020 10:52	WJM	
							Certifications: CTDOH				

Analyzed by: Phoenix Environmental Laboratories, Inc. S

Total Organic Carbon (TOC-SUB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: *** DEFAULT PREP ***

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	Total Organic Carbon (TOC)	367		mg/kg	100	1	SW9060A	07/28/2020 00:00	07/28/2020 00:00	PHO	
							Certifications:				



Sample Information

Client Sample ID: SB-41_20-23

York Sample ID: 20G0969-04

<u>York Project (SDG) No.</u> 20G0969	<u>Client Project ID</u> 140115301	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 25, 2020 12:30 pm	<u>Date Received</u> 07/27/2020
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Chemical Oxygen Demand (COD)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Chemical Oxygen Demand (COD)	1800		mg/kg dry	11	1	SM 5220 D	08/03/2020 10:08	08/03/2020 14:43	JAG
Certifications:										

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	89.0		%	0.100	1	SM 2540G	07/27/2020 20:13	07/28/2020 10:52	WJM
Certifications: CTDOH										

Analyzed by: Phoenix Environmental Laboratories, Inc. S

Total Organic Carbon (TOC-SUB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: *** DEFAULT PREP ***

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	1740		mg/kg	100	1	SW9060A	07/28/2020 00:00	07/28/2020 00:00	PHO
Certifications:										



Sample Information

Client Sample ID: SB-42_12-15

York Sample ID: 20G0969-05

<u>York Project (SDG) No.</u> 20G0969	<u>Client Project ID</u> 140115301	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 25, 2020 8:30 am	<u>Date Received</u> 07/27/2020
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	11000	23000	10000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	11000	23000	10000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	11000	23000	10000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	11000	23000	10000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	11000	23000	10000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	11000	23000	10000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	11000	23000	10000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	11000	23000	10000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	11000	23000	10000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	11000	23000	10000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP
95-63-6	1,2,4-Trimethylbenzene	2000000	VOA-E	ug/kg dry	11000	23000	10000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	11000	23000	10000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	11000	23000	10000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	11000	23000	10000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	11000	23000	10000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	11000	23000	10000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP
108-67-8	1,3,5-Trimethylbenzene	730000		ug/kg dry	11000	23000	10000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	11000	23000	10000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	11000	23000	10000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP
123-91-1	1,4-Dioxane	ND		ug/kg dry	230000	460000	10000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP
78-93-3	2-Butanone	ND		ug/kg dry	11000	23000	10000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP



Sample Information

Client Sample ID: SB-42_12-15

York Sample ID: 20G0969-05

<u>York Project (SDG) No.</u> 20G0969	<u>Client Project ID</u> 140115301	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 25, 2020 8:30 am	<u>Date Received</u> 07/27/2020
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/kg dry	11000	23000	10000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	11000	23000	10000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP
67-64-1	Acetone	ND		ug/kg dry	23000	46000	10000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP
107-02-8	Acrolein	ND		ug/kg dry	23000	46000	10000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP
107-13-1	Acrylonitrile	ND		ug/kg dry	11000	23000	10000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP
71-43-2	Benzene	150000		ug/kg dry	11000	23000	10000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP
74-97-5	Bromochloromethane	ND		ug/kg dry	11000	23000	10000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP
75-27-4	Bromodichloromethane	ND		ug/kg dry	11000	23000	10000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP
75-25-2	Bromoform	ND		ug/kg dry	11000	23000	10000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP
74-83-9	Bromomethane	ND		ug/kg dry	11000	23000	10000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP
75-15-0	Carbon disulfide	ND		ug/kg dry	11000	23000	10000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP
56-23-5	Carbon tetrachloride	ND		ug/kg dry	11000	23000	10000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP
108-90-7	Chlorobenzene	ND		ug/kg dry	11000	23000	10000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP
75-00-3	Chloroethane	ND		ug/kg dry	11000	23000	10000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP
67-66-3	Chloroform	ND		ug/kg dry	11000	23000	10000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP
74-87-3	Chloromethane	ND		ug/kg dry	11000	23000	10000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	11000	23000	10000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	11000	23000	10000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP
110-82-7	Cyclohexane	ND		ug/kg dry	11000	23000	10000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP
124-48-1	Dibromochloromethane	ND		ug/kg dry	11000	23000	10000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP
74-95-3	Dibromomethane	ND		ug/kg dry	11000	23000	10000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	11000	23000	10000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP



Sample Information

Client Sample ID: SB-42_12-15

York Sample ID: 20G0969-05

<u>York Project (SDG) No.</u> 20G0969	<u>Client Project ID</u> 140115301	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 25, 2020 8:30 am	<u>Date Received</u> 07/27/2020
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	110000	VOA-E	ug/kg dry	11000	23000	10000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	11000	23000	10000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP
98-82-8	Isopropylbenzene	110000		ug/kg dry	11000	23000	10000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP
79-20-9	Methyl acetate	ND		ug/kg dry	11000	23000	10000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	11000	23000	10000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP
108-87-2	Methylcyclohexane	250000		ug/kg dry	11000	23000	10000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP
75-09-2	Methylene chloride	ND		ug/kg dry	23000	46000	10000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP
104-51-8	n-Butylbenzene	130000		ug/kg dry	11000	23000	10000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP
103-65-1	n-Propylbenzene	330000		ug/kg dry	11000	23000	10000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP
95-47-6	o-Xylene	1800000	VOA-E	ug/kg dry	11000	23000	10000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/04/2020 06:25	08/05/2020 13:32	TMP
179601-23-1	p- & m- Xylenes	2700000	VOA-E	ug/kg dry	23000	46000	10000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/04/2020 06:25	08/05/2020 13:32	TMP
99-87-6	p-Isopropyltoluene	17000	J	ug/kg dry	11000	23000	10000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP
135-98-8	sec-Butylbenzene	32000		ug/kg dry	11000	23000	10000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP
100-42-5	Styrene	ND		ug/kg dry	11000	23000	10000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	11000	23000	10000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	11000	23000	10000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP
127-18-4	Tetrachloroethylene	ND		ug/kg dry	11000	23000	10000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP
108-88-3	Toluene	1600000	VOA-E	ug/kg dry	11000	23000	10000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	11000	23000	10000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	11000	23000	10000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP
79-01-6	Trichloroethylene	ND		ug/kg dry	11000	23000	10000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	11000	23000	10000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP



Sample Information

Client Sample ID: SB-42_12-15

York Sample ID: 20G0969-05

<u>York Project (SDG) No.</u> 20G0969	<u>Client Project ID</u> 140115301	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 25, 2020 8:30 am	<u>Date Received</u> 07/27/2020
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/kg dry	11000	23000	10000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP
1330-20-7	Xylenes, Total	4500000	VOA-E	ug/kg dry	34000	69000	10000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/04/2020 06:25	08/05/2020 13:32	TMP
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	110 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	99.8 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	106 %			76-130						

Total Petroleum Hydrocarbons-GRO (C5-C10)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	Total Petroleum Hydrocarbons-GRO	14100	B	mg/kg dry	19.2	100	EPA 8015D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2020 09:30	07/29/2020 19:21	SS	
Surrogate Recoveries		Result			Acceptance Range						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	425 %	S-08		70-130						

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	2280		mg/kg dry	5.99	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:34	KML
7440-36-0	Antimony	ND		mg/kg dry	2.99	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:34	KML
7440-38-2	Arsenic	ND		mg/kg dry	1.80	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:34	KML
7440-39-3	Barium	11.3		mg/kg dry	2.99	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:34	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.060	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:34	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.359	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:34	KML
7440-70-2	Calcium	1310		mg/kg dry	5.99	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:34	KML
7440-47-3	Chromium	5.78		mg/kg dry	0.599	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:34	KML
7440-48-4	Cobalt	3.00		mg/kg dry	0.479	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:34	KML



Sample Information

Client Sample ID: SB-42_12-15

York Sample ID: 20G0969-05

<u>York Project (SDG) No.</u> 20G0969	<u>Client Project ID</u> 140115301	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 25, 2020 8:30 am	<u>Date Received</u> 07/27/2020
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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	8.57	B	mg/kg dry	2.40	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:34	KML
7439-89-6	Iron	5000		mg/kg dry	29.9	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:34	KML
7439-92-1	Lead	7.46		mg/kg dry	0.599	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:34	KML
7439-95-4	Magnesium	1190		mg/kg dry	5.99	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:34	KML
7439-96-5	Manganese	54.4		mg/kg dry	0.599	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:34	KML
7440-02-0	Nickel	5.95		mg/kg dry	1.20	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:34	KML
7440-09-7	Potassium	329	B	mg/kg dry	5.99	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:34	KML
7782-49-2	Selenium	ND		mg/kg dry	2.99	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:34	KML
7440-22-4	Silver	ND		mg/kg dry	0.599	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:34	KML
7440-23-5	Sodium	168		mg/kg dry	59.9	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:34	KML
7440-28-0	Thallium	ND		mg/kg dry	2.99	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:34	KML
7440-62-2	Vanadium	8.39		mg/kg dry	1.20	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:34	KML
7440-66-6	Zinc	14.2		mg/kg dry	2.99	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:34	KML

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	0.0359	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	07/27/2020 14:52	07/27/2020 20:12	MAO

Chemical Oxygen Demand (COD)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Chemical Oxygen Demand (COD)	2300		mg/kg dry	12	1	SM 5220 D Certifications:	08/03/2020 10:08	08/03/2020 14:43	JAG



Sample Information

Client Sample ID: SB-42_12-15

York Sample ID: 20G0969-05

York Project (SDG) No.
20G0969

Client Project ID
140115301

Matrix
Soil

Collection Date/Time
July 25, 2020 8:30 am

Date Received
07/27/2020

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	83.5		%	0.100	1	SM 2540G Certifications: CTDOH	07/27/2020 20:13	07/28/2020 10:52	WJM

Analyzed by: Phoenix Environmental Laboratories, Inc. S

Total Organic Carbon (TOC-SUB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: *** DEFAULT PREP ***

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	1990		mg/kg	100	1	SW9060A Certifications:	07/28/2020 00:00	07/29/2020 00:00	PHO



Sample Information

Client Sample ID: SB-42_17-20

York Sample ID: 20G0969-06

<u>York Project (SDG) No.</u> 20G0969	<u>Client Project ID</u> 140115301	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 25, 2020 8:45 am	<u>Date Received</u> 07/27/2020
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Chemical Oxygen Demand (COD)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Chemical Oxygen Demand (COD)	790		mg/kg dry	12	1	SM 5220 D	08/03/2020 10:08	08/03/2020 14:43	JAG
Certifications:										

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	86.2		%	0.100	1	SM 2540G	07/27/2020 20:13	07/28/2020 10:52	WJM
Certifications: CTDOH										

Analyzed by: Phoenix Environmental Laboratories, Inc. S

Total Organic Carbon (TOC-SUB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: *** DEFAULT PREP ***

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	1940		mg/kg	100	1	SW9060A	07/28/2020 00:00	07/29/2020 00:00	PHO
Certifications:										



Sample Information

Client Sample ID: SB-43_8-18

York Sample ID: 20G0969-07

<u>York Project (SDG) No.</u> 20G0969	<u>Client Project ID</u> 140115301	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 25, 2020 1:30 pm	<u>Date Received</u> 07/27/2020
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.1	2.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	1.1	2.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.1	2.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.1	2.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.1	2.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.1	2.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	1.1	2.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1.1	2.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	1.1	2.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.1	2.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.1	2.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	1.1	2.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.1	2.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.1	2.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.1	2.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	1.1	2.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	1.1	2.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.1	2.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.1	2.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP
123-91-1	1,4-Dioxane	ND		ug/kg dry	22	44	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP
78-93-3	2-Butanone	ND		ug/kg dry	1.1	2.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP



Sample Information

Client Sample ID: SB-43_8-18

York Sample ID: 20G0969-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0969

140115301

Soil

July 25, 2020 1:30 pm

07/27/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/kg dry	1.1	2.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	1.1	2.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP
67-64-1	Acetone	47		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP
107-02-8	Acrolein	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP
107-13-1	Acrylonitrile	ND		ug/kg dry	1.1	2.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP
71-43-2	Benzene	ND		ug/kg dry	1.1	2.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP
74-97-5	Bromochloromethane	ND		ug/kg dry	1.1	2.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.1	2.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP
75-25-2	Bromoform	ND		ug/kg dry	1.1	2.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP
74-83-9	Bromomethane	ND		ug/kg dry	1.1	2.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP
75-15-0	Carbon disulfide	ND		ug/kg dry	1.1	2.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP
56-23-5	Carbon tetrachloride	ND		ug/kg dry	1.1	2.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP
108-90-7	Chlorobenzene	ND		ug/kg dry	1.1	2.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP
75-00-3	Chloroethane	ND		ug/kg dry	1.1	2.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP
67-66-3	Chloroform	ND		ug/kg dry	1.1	2.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP
74-87-3	Chloromethane	ND		ug/kg dry	1.1	2.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	1.1	2.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	1.1	2.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP
110-82-7	Cyclohexane	ND		ug/kg dry	1.1	2.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.1	2.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP
74-95-3	Dibromomethane	ND		ug/kg dry	1.1	2.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	1.1	2.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP



Sample Information

Client Sample ID: SB-43_8-18

York Sample ID: 20G0969-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0969

140115301

Soil

July 25, 2020 1:30 pm

07/27/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/kg dry	1.1	2.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.1	2.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.1	2.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP
79-20-9	Methyl acetate	ND		ug/kg dry	1.1	2.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	1.1	2.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP
108-87-2	Methylcyclohexane	ND		ug/kg dry	1.1	2.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP
75-09-2	Methylene chloride	33		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP
104-51-8	n-Butylbenzene	ND		ug/kg dry	1.1	2.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.1	2.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP
95-47-6	o-Xylene	ND		ug/kg dry	1.1	2.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	07/29/2020 06:00	07/30/2020 02:27	TMP
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	07/29/2020 06:00	07/30/2020 02:27	TMP
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	1.1	2.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.1	2.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP
100-42-5	Styrene	ND		ug/kg dry	1.1	2.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	1.1	2.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.1	2.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.1	2.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP
108-88-3	Toluene	1.5	J	ug/kg dry	1.1	2.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.1	2.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.1	2.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP
79-01-6	Trichloroethylene	ND		ug/kg dry	1.1	2.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	1.1	2.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP



Sample Information

Client Sample ID: SB-43_8-18

York Sample ID: 20G0969-07

<u>York Project (SDG) No.</u> 20G0969	<u>Client Project ID</u> 140115301	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 25, 2020 1:30 pm	<u>Date Received</u> 07/27/2020
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/kg dry	1.1	2.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP
1330-20-7	Xylenes, Total	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	07/29/2020 06:00	07/30/2020 02:27	TMP
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	127 %	S-01		77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	95.4 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	98.3 %			76-130						

Total Petroleum Hydrocarbons-GRO (C5-C10)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Petroleum Hydrocarbons-GRO	74.7	B	mg/kg dry	17.5	100	EPA 8015D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2020 09:30	07/29/2020 19:58	SS
Surrogate Recoveries		Result			Acceptance Range					
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	131 %	S-08		70-130					

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	8420		mg/kg dry	5.48	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:36	KML
7440-36-0	Antimony	ND		mg/kg dry	2.74	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:36	KML
7440-38-2	Arsenic	ND		mg/kg dry	1.64	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:36	KML
7440-39-3	Barium	56.4		mg/kg dry	2.74	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:36	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.055	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:36	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.329	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:36	KML
7440-70-2	Calcium	15600		mg/kg dry	5.48	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:36	KML
7440-47-3	Chromium	20.3		mg/kg dry	0.548	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:36	KML
7440-48-4	Cobalt	8.56		mg/kg dry	0.438	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:36	KML



Sample Information

Client Sample ID: SB-43_8-18

York Sample ID: 20G0969-07

<u>York Project (SDG) No.</u> 20G0969	<u>Client Project ID</u> 140115301	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 25, 2020 1:30 pm	<u>Date Received</u> 07/27/2020
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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	19.0	B	mg/kg dry	2.19	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:36	KML
7439-89-6	Iron	15100		mg/kg dry	27.4	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:36	KML
7439-92-1	Lead	3.76		mg/kg dry	0.548	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:36	KML
7439-95-4	Magnesium	7680		mg/kg dry	5.48	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:36	KML
7439-96-5	Manganese	287		mg/kg dry	0.548	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:36	KML
7440-02-0	Nickel	19.7		mg/kg dry	1.10	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:36	KML
7440-09-7	Potassium	1910	B	mg/kg dry	5.48	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:36	KML
7782-49-2	Selenium	ND		mg/kg dry	2.74	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:36	KML
7440-22-4	Silver	ND		mg/kg dry	0.548	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:36	KML
7440-23-5	Sodium	182		mg/kg dry	54.8	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:36	KML
7440-28-0	Thallium	ND		mg/kg dry	2.74	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:36	KML
7440-62-2	Vanadium	27.1		mg/kg dry	1.10	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:36	KML
7440-66-6	Zinc	34.0		mg/kg dry	2.74	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:36	KML

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	0.0329	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	07/27/2020 14:52	07/27/2020 20:21	MAO

Chemical Oxygen Demand (COD)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Chemical Oxygen Demand (COD)	1400		mg/kg dry	11	1	SM 5220 D Certifications:	08/03/2020 10:08	08/03/2020 14:43	JAG



Sample Information

Client Sample ID: SB-43_8-18

York Sample ID: 20G0969-07

York Project (SDG) No.
20G0969

Client Project ID
140115301

Matrix
Soil

Collection Date/Time
July 25, 2020 1:30 pm

Date Received
07/27/2020

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	91.3		%	0.100	1	SM 2540G Certifications: CTDOH	07/27/2020 20:13	07/28/2020 10:52	WJM

Analyzed by: Phoenix Environmental Laboratories, Inc. S

Total Organic Carbon (TOC-SUB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: *** DEFAULT PREP ***

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	2150		mg/kg	100	1	SW9060A Certifications:	07/28/2020 00:00	07/29/2020 00:00	PHO



Sample Information

Client Sample ID: DUP01_072520

York Sample ID: 20G0969-08

<u>York Project (SDG) No.</u> 20G0969	<u>Client Project ID</u> 140115301	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 25, 2020 12:00 am	<u>Date Received</u> 07/27/2020
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	4700	9300	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	4700	9300	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	4700	9300	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	4700	9300	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	4700	9300	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	4700	9300	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	4700	9300	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	4700	9300	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	4700	9300	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	4700	9300	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP
95-63-6	1,2,4-Trimethylbenzene	250000		ug/kg dry	4700	9300	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	4700	9300	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	4700	9300	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	4700	9300	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	4700	9300	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	4700	9300	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP
108-67-8	1,3,5-Trimethylbenzene	59000		ug/kg dry	4700	9300	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	4700	9300	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	4700	9300	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP
123-91-1	1,4-Dioxane	ND		ug/kg dry	93000	190000	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP
78-93-3	2-Butanone	ND		ug/kg dry	4700	9300	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP



Sample Information

Client Sample ID: DUP01_072520

York Sample ID: 20G0969-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0969

140115301

Soil

July 25, 2020 12:00 am

07/27/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/kg dry	4700	9300	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	4700	9300	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP
67-64-1	Acetone	ND		ug/kg dry	9300	19000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP
107-02-8	Acrolein	ND		ug/kg dry	9300	19000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP
107-13-1	Acrylonitrile	ND		ug/kg dry	4700	9300	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP
71-43-2	Benzene	12000		ug/kg dry	4700	9300	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP
74-97-5	Bromochloromethane	ND		ug/kg dry	4700	9300	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP
75-27-4	Bromodichloromethane	ND		ug/kg dry	4700	9300	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP
75-25-2	Bromoform	ND		ug/kg dry	4700	9300	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP
74-83-9	Bromomethane	ND		ug/kg dry	4700	9300	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP
75-15-0	Carbon disulfide	ND		ug/kg dry	4700	9300	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP
56-23-5	Carbon tetrachloride	ND		ug/kg dry	4700	9300	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP
108-90-7	Chlorobenzene	ND		ug/kg dry	4700	9300	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP
75-00-3	Chloroethane	ND		ug/kg dry	4700	9300	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP
67-66-3	Chloroform	ND		ug/kg dry	4700	9300	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP
74-87-3	Chloromethane	ND		ug/kg dry	4700	9300	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	4700	9300	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	4700	9300	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP
110-82-7	Cyclohexane	6000	ICV-E, QL-02, J	ug/kg dry	4700	9300	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP
124-48-1	Dibromochloromethane	ND		ug/kg dry	4700	9300	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP
74-95-3	Dibromomethane	ND		ug/kg dry	4700	9300	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP



Sample Information

Client Sample ID: DUP01_072520

York Sample ID: 20G0969-08

<u>York Project (SDG) No.</u> 20G0969	<u>Client Project ID</u> 140115301	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 25, 2020 12:00 am	<u>Date Received</u> 07/27/2020
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	4700	9300	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP
100-41-4	Ethyl Benzene	120000		ug/kg dry	4700	9300	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	4700	9300	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP
98-82-8	Isopropylbenzene	12000		ug/kg dry	4700	9300	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP
79-20-9	Methyl acetate	ND		ug/kg dry	4700	9300	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	4700	9300	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP
108-87-2	Methylcyclohexane	77000		ug/kg dry	4700	9300	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP
75-09-2	Methylene chloride	ND		ug/kg dry	9300	19000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP
104-51-8	n-Butylbenzene	7000	J	ug/kg dry	4700	9300	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP
103-65-1	n-Propylbenzene	39000		ug/kg dry	4700	9300	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP
95-47-6	o-Xylene	190000		ug/kg dry	4700	9300	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/03/2020 06:38	08/03/2020 14:53	TMP
179601-23-1	p- & m- Xylenes	470000		ug/kg dry	9300	19000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/03/2020 06:38	08/03/2020 14:53	TMP
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	4700	9300	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP
135-98-8	sec-Butylbenzene	ND		ug/kg dry	4700	9300	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP
100-42-5	Styrene	ND		ug/kg dry	4700	9300	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	4700	9300	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	4700	9300	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP
127-18-4	Tetrachloroethylene	ND		ug/kg dry	4700	9300	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP
108-88-3	Toluene	340000		ug/kg dry	4700	9300	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	4700	9300	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	4700	9300	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP
79-01-6	Trichloroethylene	ND		ug/kg dry	4700	9300	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP



Sample Information

Client Sample ID: DUP01_072520

York Sample ID: 20G0969-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0969

140115301

Soil

July 25, 2020 12:00 am

07/27/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	4700	9300	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP
75-01-4	Vinyl Chloride	ND		ug/kg dry	4700	9300	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP
1330-20-7	Xylenes, Total	660000		ug/kg dry	14000	28000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/03/2020 06:38	08/03/2020 14:53	TMP
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	84.1 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	99.6 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	100 %			76-130						

Total Petroleum Hydrocarbons-GRO (C5-C10)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	Total Petroleum Hydrocarbons-GRO	956	B	mg/kg dry	18.0	100	EPA 8015D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2020 09:30	07/29/2020 20:35	SS	
Surrogate Recoveries		Result			Acceptance Range						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	178 %	S-08		70-130						

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	8630		mg/kg dry	5.62	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:39	KML
7440-36-0	Antimony	ND		mg/kg dry	2.81	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:39	KML
7440-38-2	Arsenic	ND		mg/kg dry	1.69	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:39	KML
7440-39-3	Barium	57.1		mg/kg dry	2.81	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:39	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.056	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:39	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.337	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:39	KML
7440-70-2	Calcium	2700		mg/kg dry	5.62	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:39	KML
7440-47-3	Chromium	15.9		mg/kg dry	0.562	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:39	KML



Sample Information

Client Sample ID: DUP01_072520

York Sample ID: 20G0969-08

<u>York Project (SDG) No.</u> 20G0969	<u>Client Project ID</u> 140115301	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 25, 2020 12:00 am	<u>Date Received</u> 07/27/2020
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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
7440-48-4	Cobalt	9.06		mg/kg dry	0.450	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:39	KML
7440-50-8	Copper	18.2	B	mg/kg dry	2.25	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:39	KML
7439-89-6	Iron	17300		mg/kg dry	28.1	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:39	KML
7439-92-1	Lead	7.99		mg/kg dry	0.562	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:39	KML
7439-95-4	Magnesium	3600		mg/kg dry	5.62	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:39	KML
7439-96-5	Manganese	448		mg/kg dry	0.562	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:39	KML
7440-02-0	Nickel	20.9		mg/kg dry	1.12	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:39	KML
7440-09-7	Potassium	1730	B	mg/kg dry	5.62	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:39	KML
7782-49-2	Selenium	ND		mg/kg dry	2.81	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:39	KML
7440-22-4	Silver	ND		mg/kg dry	0.562	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:39	KML
7440-23-5	Sodium	332		mg/kg dry	56.2	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:39	KML
7440-28-0	Thallium	ND		mg/kg dry	2.81	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:39	KML
7440-62-2	Vanadium	21.0		mg/kg dry	1.12	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:39	KML
7440-66-6	Zinc	36.5		mg/kg dry	2.81	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2020 16:44	07/28/2020 12:39	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0337	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	07/27/2020 14:52	07/27/2020 20:30	MAO

Chemical Oxygen Demand (COD)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Chemical Oxygen Demand (COD)	2400		mg/kg dry	11	1	SM 5220 D Certifications:	08/03/2020 10:08	08/03/2020 14:43	JAG



Sample Information

Client Sample ID: DUP01_072520

York Sample ID: 20G0969-08

York Project (SDG) No.
20G0969

Client Project ID
140115301

Matrix
Soil

Collection Date/Time
July 25, 2020 12:00 am

Date Received
07/27/2020

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
solids	* % Solids	89.0		%	0.100	1	SM 2540G	07/27/2020 20:13	07/28/2020 10:52	WJM	
							Certifications:	CTDOH			

Analyzed by: Phoenix Environmental Laboratories, Inc. S

Total Organic Carbon (TOC-SUB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: *** DEFAULT PREP ***

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	Total Organic Carbon (TOC)	339		mg/kg	100	1	SW9060A	07/28/2020 00:00	07/29/2020 00:00	PHO	
							Certifications:				



Analytical Batch Summary

Batch ID: 7/28/2020

Preparation Method: *** DEFAULT PREP ***

Prepared By:

YORK Sample ID	Client Sample ID	Preparation Date
20G0969-01	SB-40_11-20	07/28/20
20G0969-02	SB-40_20-23	07/28/20
20G0969-03	SB-41_11-20	07/28/20
20G0969-04	SB-41_20-23	07/28/20

Batch ID: 7/29/2020

Preparation Method: *** DEFAULT PREP ***

Prepared By:

YORK Sample ID	Client Sample ID	Preparation Date
20G0969-05	SB-42_12-15	07/28/20
20G0969-06	SB-42_17-20	07/28/20
20G0969-07	SB-43_8-18	07/28/20
20G0969-08	DUP01_072520	07/28/20

Batch ID: BG01325

Preparation Method: EPA 7473 soil

Prepared By: SY

YORK Sample ID	Client Sample ID	Preparation Date
20G0969-01	SB-40_11-20	07/27/20
20G0969-03	SB-41_11-20	07/27/20
20G0969-05	SB-42_12-15	07/27/20
20G0969-07	SB-43_8-18	07/27/20
20G0969-08	DUP01_072520	07/27/20
BG01325-BLK1	Blank	07/27/20
BG01325-SRM1	Reference	07/27/20

Batch ID: BG01346

Preparation Method: EPA 3050B

Prepared By: SY

YORK Sample ID	Client Sample ID	Preparation Date
20G0969-01	SB-40_11-20	07/27/20
20G0969-03	SB-41_11-20	07/27/20
20G0969-05	SB-42_12-15	07/27/20
20G0969-07	SB-43_8-18	07/27/20
20G0969-08	DUP01_072520	07/27/20
BG01346-BLK1	Blank	07/27/20
BG01346-DUP1	Duplicate	07/27/20
BG01346-PS1	Post Spike	07/27/20
BG01346-SRM1	Reference	07/27/20

Batch ID: BG01357

Preparation Method: % Solids Prep

Prepared By: MAO

YORK Sample ID	Client Sample ID	Preparation Date
20G0969-01	SB-40_11-20	07/27/20
20G0969-02	SB-40_20-23	07/27/20
20G0969-03	SB-41_11-20	07/27/20



20G0969-04	SB-41_20-23	07/27/20
20G0969-05	SB-42_12-15	07/27/20
20G0969-06	SB-42_17-20	07/27/20
20G0969-07	SB-43_8-18	07/27/20
20G0969-08	DUP01_072520	07/27/20

Batch ID: BG01453 **Preparation Method:** EPA 5035A **Prepared By:** CLO

YORK Sample ID	Client Sample ID	Preparation Date
20G0969-01	SB-40_11-20	07/29/20
20G0969-03	SB-41_11-20	07/29/20
20G0969-05	SB-42_12-15	07/29/20
20G0969-07	SB-43_8-18	07/29/20
20G0969-08	DUP01_072520	07/29/20
BG01453-BLK1	Blank	07/29/20
BG01453-SRM1	Reference	07/29/20

Batch ID: BG01544 **Preparation Method:** EPA 5035A **Prepared By:** TMP

YORK Sample ID	Client Sample ID	Preparation Date
20G0969-07	SB-43_8-18	07/29/20
BG01544-BLK1	Blank	07/29/20
BG01544-BS1	LCS	07/29/20
BG01544-BSD1	LCS Dup	07/29/20

Batch ID: BG01637 **Preparation Method:** EPA 5035A **Prepared By:** TMP

YORK Sample ID	Client Sample ID	Preparation Date
20G0969-01	SB-40_11-20	07/31/20
20G0969-03	SB-41_11-20	07/31/20
BG01637-BLK1	Blank	07/31/20
BG01637-BS1	LCS	07/31/20
BG01637-BSD1	LCS Dup	07/31/20

Batch ID: BH00036 **Preparation Method:** Analysis Preparation **Prepared By:** JAG

YORK Sample ID	Client Sample ID	Preparation Date
20G0969-01	SB-40_11-20	08/03/20
20G0969-02	SB-40_20-23	08/03/20
20G0969-03	SB-41_11-20	08/03/20
20G0969-04	SB-41_20-23	08/03/20
20G0969-05	SB-42_12-15	08/03/20
20G0969-06	SB-42_17-20	08/03/20
20G0969-07	SB-43_8-18	08/03/20
20G0969-08	DUP01_072520	08/03/20
BH00036-BLK1	Blank	08/03/20
BH00036-BS1	LCS	08/03/20
BH00036-DUP1	Duplicate	08/03/20
BH00036-MS1	Matrix Spike	08/03/20



Batch ID: BH00080

Preparation Method: EPA 5035A

Prepared By: TMP

YORK Sample ID	Client Sample ID	Preparation Date
20G0969-08	DUP01_072520	08/03/20
BH00080-BLK1	Blank	08/03/20
BH00080-BLK2	Blank	08/03/20
BH00080-BS1	LCS	08/03/20
BH00080-BSD1	LCS Dup	08/03/20

Batch ID: BH00223

Preparation Method: EPA 5035A

Prepared By: TMP

YORK Sample ID	Client Sample ID	Preparation Date
20G0969-05	SB-42_12-15	08/04/20
BH00223-BLK1	Blank	08/04/20
BH00223-BLK2	Blank	08/04/20
BH00223-BS1	LCS	08/04/20
BH00223-BSD1	LCS Dup	08/04/20



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG01544 - EPA 5035A

Blank (BG01544-BLK1) Blank Prepared: 07/29/2020 Analyzed: 07/30/2020

1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2-Butanone	ND	5.0	"								
2-Hexanone	ND	5.0	"								
4-Methyl-2-pentanone	ND	5.0	"								
Acetone	ND	10	"								
Acrolein	ND	10	"								
Acrylonitrile	ND	5.0	"								
Benzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon disulfide	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	3.5	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Cyclohexane	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl acetate	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylcyclohexane	ND	5.0	"								
Methylene chloride	ND	10	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BG01544 - EPA 5035A

Blank (BG01544-BLK1)		Blank		Prepared: 07/29/2020 Analyzed: 07/30/2020							
n-Butylbenzene	ND	5.0	ug/kg wet								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butyl alcohol (TBA)	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
<hr/>											
Surrogate: SURRE: 1,2-Dichloroethane-d4	61.2		ug/L	50.0		122	77-125				
Surrogate: SURRE: Toluene-d8	48.0		"	50.0		96.0	85-120				
Surrogate: SURRE: p-Bromofluorobenzene	49.7		"	50.0		99.3	76-130				

LCS (BG01544-BS1)		LCS		Prepared: 07/29/2020 Analyzed: 07/30/2020							
1,1,1,2-Tetrachloroethane	51		ug/L	50.0		102	75-129				
1,1,1-Trichloroethane	59		"	50.0		119	71-137				
1,1,2,2-Tetrachloroethane	47		"	50.0		95.0	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	51		"	50.0		102	58-146				
1,1,2-Trichloroethane	49		"	50.0		98.4	83-123				
1,1-Dichloroethane	52		"	50.0		104	75-130				
1,1-Dichloroethylene	53		"	50.0		107	64-137				
1,2,3-Trichlorobenzene	51		"	50.0		101	81-140				
1,2,3-Trichloropropane	53		"	50.0		106	81-126				
1,2,4-Trichlorobenzene	48		"	50.0		95.7	80-141				
1,2,4-Trimethylbenzene	48		"	50.0		96.8	84-125				
1,2-Dibromo-3-chloropropane	56		"	50.0		112	74-142				
1,2-Dibromoethane	50		"	50.0		101	86-123				
1,2-Dichlorobenzene	50		"	50.0		99.3	85-122				
1,2-Dichloroethane	65		"	50.0		130	71-133				
1,2-Dichloropropane	46		"	50.0		92.7	81-122				
1,3,5-Trimethylbenzene	56		"	50.0		112	82-126				
1,3-Dichlorobenzene	46		"	50.0		92.5	84-124				
1,4-Dichlorobenzene	46		"	50.0		92.7	84-124				
1,4-Dioxane	1000		"	1050		95.3	10-228				
2-Butanone	54		"	50.0		107	58-147				
2-Hexanone	51		"	50.0		102	70-139				
4-Methyl-2-pentanone	42		"	50.0		84.2	72-132				
Acetone	58		"	50.0		116	36-155				
Acrolein	30		"	50.0		59.3	10-238				
Acrylonitrile	56		"	50.0		112	66-141				
Benzene	52		"	50.0		104	77-127				
Bromochloromethane	55		"	50.0		110	74-129				
Bromodichloromethane	53		"	50.0		106	81-124				



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

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

Batch BG01544 - EPA 5035A

LCS (BG01544-BS1)	LCS	Prepared: 07/29/2020 Analyzed: 07/30/2020											
Bromoform	55		ug/L	50.0		111		80-136					
Bromomethane	49		"	50.0		97.2		32-177					
Carbon disulfide	47		"	50.0		94.6		10-136					
Carbon tetrachloride	59		"	50.0		118		66-143					
Chlorobenzene	49		"	50.0		98.2		86-120					
Chloroethane	47		"	50.0		93.3		51-142					
Chloroform	58		"	50.0		116		76-131					
Chloromethane	64		"	50.0		128		49-132					
cis-1,2-Dichloroethylene	55		"	50.0		110		74-132					
cis-1,3-Dichloropropylene	48		"	50.0		95.9		81-129					
Cyclohexane	21		"	50.0		42.0		70-130	Low Bias				
Dibromochloromethane	52		"	50.0		104		10-200					
Dibromomethane	51		"	50.0		101		83-124					
Dichlorodifluoromethane	42		"	50.0		83.2		28-158					
Ethyl Benzene	49		"	50.0		98.3		84-125					
Hexachlorobutadiene	50		"	50.0		99.3		83-133					
Isopropylbenzene	46		"	50.0		91.7		81-127					
Methyl acetate	55		"	50.0		109		41-143					
Methyl tert-butyl ether (MTBE)	59		"	50.0		117		74-131					
Methylcyclohexane	45		"	50.0		89.3		70-130					
Methylene chloride	55		"	50.0		110		57-141					
n-Butylbenzene	47		"	50.0		94.8		80-130					
n-Propylbenzene	45		"	50.0		90.1		74-136					
o-Xylene	49		"	50.0		98.7		83-123					
p- & m- Xylenes	97		"	100		97.0		82-128					
p-Isopropyltoluene	48		"	50.0		95.8		85-125					
sec-Butylbenzene	49		"	50.0		98.4		83-125					
Styrene	51		"	50.0		101		86-126					
tert-Butyl alcohol (TBA)	260		"	250		104		70-130					
tert-Butylbenzene	42		"	50.0		83.8		80-127					
Tetrachloroethylene	44		"	50.0		88.6		80-129					
Toluene	46		"	50.0		92.3		85-121					
trans-1,2-Dichloroethylene	55		"	50.0		111		72-132					
trans-1,3-Dichloropropylene	52		"	50.0		103		78-132					
Trichloroethylene	47		"	50.0		94.5		84-123					
Trichlorofluoromethane	55		"	50.0		109		62-140					
Vinyl Chloride	42		"	50.0		84.8		52-130					
Surrogate: SURRE: 1,2-Dichloroethane-d4	62.9		"	50.0		126		77-125					
Surrogate: SURRE: Toluene-d8	47.6		"	50.0		95.2		85-120					
Surrogate: SURRE: p-Bromofluorobenzene	48.9		"	50.0		97.7		76-130					



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG01544 - EPA 5035A											
LCS Dup (BG01544-BS01)	LCS Dup										Prepared: 07/29/2020 Analyzed: 07/30/2020
1,1,1,2-Tetrachloroethane	54		ug/L	50.0		107	75-129		5.22	30	
1,1,1-Trichloroethane	60		"	50.0		120	71-137		1.49	30	
1,1,2,2-Tetrachloroethane	48		"	50.0		96.8	79-129		1.90	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	53		"	50.0		105	58-146		2.60	30	
1,1,2-Trichloroethane	50		"	50.0		100	83-123		1.99	30	
1,1-Dichloroethane	53		"	50.0		105	75-130		1.74	30	
1,1-Dichloroethylene	56		"	50.0		112	64-137		5.12	30	
1,2,3-Trichlorobenzene	54		"	50.0		107	81-140		5.81	30	
1,2,3-Trichloropropane	54		"	50.0		107	81-126		1.14	30	
1,2,4-Trichlorobenzene	53		"	50.0		106	80-141		9.82	30	
1,2,4-Trimethylbenzene	49		"	50.0		98.6	84-125		1.90	30	
1,2-Dibromo-3-chloropropane	57		"	50.0		114	74-142		2.06	30	
1,2-Dibromoethane	53		"	50.0		107	86-123		5.81	30	
1,2-Dichlorobenzene	51		"	50.0		102	85-122		2.76	30	
1,2-Dichloroethane	65		"	50.0		130	71-133		0.384	30	
1,2-Dichloropropane	48		"	50.0		95.7	81-122		3.23	30	
1,3,5-Trimethylbenzene	57		"	50.0		114	82-126		2.23	30	
1,3-Dichlorobenzene	49		"	50.0		97.5	84-124		5.31	30	
1,4-Dichlorobenzene	50		"	50.0		99.3	84-124		6.90	30	
1,4-Dioxane	1100		"	1050		104	10-228		8.84	30	
2-Butanone	61		"	50.0		123	58-147		13.2	30	
2-Hexanone	53		"	50.0		106	70-139		4.10	30	
4-Methyl-2-pentanone	44		"	50.0		87.1	72-132		3.36	30	
Acetone	56		"	50.0		113	36-155		2.80	30	
Acrolein	30		"	50.0		60.0	10-238		1.11	30	
Acrylonitrile	55		"	50.0		109	66-141		2.62	30	
Benzene	53		"	50.0		105	77-127		1.86	30	
Bromochloromethane	56		"	50.0		112	74-129		1.86	30	
Bromodichloromethane	55		"	50.0		110	81-124		4.35	30	
Bromoform	57		"	50.0		115	80-136		3.68	30	
Bromomethane	57		"	50.0		113	32-177		15.3	30	
Carbon disulfide	49		"	50.0		97.7	10-136		3.16	30	
Carbon tetrachloride	61		"	50.0		121	66-143		2.56	30	
Chlorobenzene	50		"	50.0		99.7	86-120		1.58	30	
Chloroethane	49		"	50.0		98.3	51-142		5.16	30	
Chloroform	58		"	50.0		117	76-131		1.10	30	
Chloromethane	66		"	50.0		132	49-132		3.06	30	
cis-1,2-Dichloroethylene	55		"	50.0		110	74-132		0.327	30	
cis-1,3-Dichloropropylene	52		"	50.0		103	81-129		7.25	30	
Cyclohexane	22		"	50.0		43.4	70-130	Low Bias	3.42	30	
Dibromochloromethane	56		"	50.0		113	10-200		7.92	30	
Dibromomethane	54		"	50.0		108	83-124		6.39	30	
Dichlorodifluoromethane	43		"	50.0		85.8	28-158		3.03	30	
Ethyl Benzene	51		"	50.0		102	84-125		3.52	30	
Hexachlorobutadiene	51		"	50.0		103	83-133		3.50	30	
Isopropylbenzene	47		"	50.0		94.6	81-127		3.16	30	
Methyl acetate	55		"	50.0		110	41-143		0.620	30	
Methyl tert-butyl ether (MTBE)	59		"	50.0		117	74-131		0.0852	30	
Methylcyclohexane	48		"	50.0		95.6	70-130		6.77	30	
Methylene chloride	56		"	50.0		113	57-141		2.76	30	
n-Butylbenzene	50		"	50.0		101	80-130		6.05	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	
		Limit			Result					RPD	Limit
Batch BG01544 - EPA 5035A											
LCS Dup (BG01544-bsd1)	LCS Dup	Prepared: 07/29/2020 Analyzed: 07/30/2020									
n-Propylbenzene	47		ug/L	50.0		93.7	74-136			3.90	30
o-Xylene	52		"	50.0		103	83-123			4.48	30
p- & m- Xylenes	100		"	100		102	82-128			4.86	30
p-Isopropyltoluene	50		"	50.0		100	85-125			4.45	30
sec-Butylbenzene	51		"	50.0		102	83-125			3.18	30
Styrene	53		"	50.0		106	86-126			5.20	30
tert-Butyl alcohol (TBA)	250		"	250		98.8	70-130			4.70	30
tert-Butylbenzene	43		"	50.0		85.2	80-127			1.61	30
Tetrachloroethylene	46		"	50.0		92.3	80-129			4.09	30
Toluene	48		"	50.0		96.0	85-121			3.84	30
trans-1,2-Dichloroethylene	57		"	50.0		113	72-132			2.00	30
trans-1,3-Dichloropropylene	54		"	50.0		108	78-132			4.81	30
Trichloroethylene	49		"	50.0		97.9	84-123			3.58	30
Trichlorofluoromethane	57		"	50.0		114	62-140			4.24	30
Vinyl Chloride	43		"	50.0		86.0	52-130			1.40	30
Surrogate: SURR: 1,2-Dichloroethane-d4	61.2		"	50.0		122	77-125				
Surrogate: SURR: Toluene-d8	48.8		"	50.0		97.6	85-120				
Surrogate: SURR: p-Bromofluorobenzene	49.9		"	50.0		99.8	76-130				

Batch BG01637 - EPA 5035A

Blank (BG01637-BLK1)	Blank	Prepared & Analyzed: 07/31/2020									
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2-Butanone	ND	5.0	"								
2-Hexanone	ND	5.0	"								
4-Methyl-2-pentanone	ND	5.0	"								
Acetone	ND	10	"								
Acrolein	ND	10	"								
Acrylonitrile	ND	5.0	"								
Benzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BG01637 - EPA 5035A

Blank (BG01637-BLK1) Blank Prepared & Analyzed: 07/31/2020

Bromoform	ND	5.0	ug/kg wet										
Bromomethane	ND	5.0	"										
Carbon disulfide	ND	5.0	"										
Carbon tetrachloride	ND	5.0	"										
Chlorobenzene	ND	5.0	"										
Chloroethane	ND	5.0	"										
Chloroform	ND	5.0	"										
Chloromethane	4.7	5.0	"										
cis-1,2-Dichloroethylene	ND	5.0	"										
cis-1,3-Dichloropropylene	ND	5.0	"										
Cyclohexane	ND	5.0	"										
Dibromochloromethane	ND	5.0	"										
Dibromomethane	ND	5.0	"										
Dichlorodifluoromethane	ND	5.0	"										
Ethyl Benzene	ND	5.0	"										
Hexachlorobutadiene	ND	5.0	"										
Isopropylbenzene	ND	5.0	"										
Methyl acetate	ND	5.0	"										
Methyl tert-butyl ether (MTBE)	ND	5.0	"										
Methylcyclohexane	ND	5.0	"										
Methylene chloride	ND	10	"										
n-Butylbenzene	ND	5.0	"										
n-Propylbenzene	ND	5.0	"										
o-Xylene	ND	5.0	"										
p- & m- Xylenes	ND	10	"										
p-Isopropyltoluene	ND	5.0	"										
sec-Butylbenzene	ND	5.0	"										
Styrene	ND	5.0	"										
tert-Butyl alcohol (TBA)	ND	5.0	"										
tert-Butylbenzene	ND	5.0	"										
Tetrachloroethylene	ND	5.0	"										
Toluene	ND	5.0	"										
trans-1,2-Dichloroethylene	ND	5.0	"										
trans-1,3-Dichloropropylene	ND	5.0	"										
Trichloroethylene	ND	5.0	"										
Trichlorofluoromethane	ND	5.0	"										
Vinyl Chloride	ND	5.0	"										
Xylenes, Total	ND	15	"										

<i>Surrogate: SURRE: 1,2-Dichloroethane-d4</i>	63.7		ug/L	50.0		127	77-125						
<i>Surrogate: SURRE: Toluene-d8</i>	48.1		"	50.0		96.2	85-120						
<i>Surrogate: SURRE: p-Bromofluorobenzene</i>	49.2		"	50.0		98.3	76-130						



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG01637 - EPA 5035A

LCS (BG01637-BS1)	LCS										
Prepared & Analyzed: 07/31/2020											
1,1,1,2-Tetrachloroethane	53		ug/L	50.0		106	75-129				
1,1,1-Trichloroethane	64		"	50.0		127	71-137				
1,1,2,2-Tetrachloroethane	46		"	50.0		91.0	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	59		"	50.0		118	58-146				
1,1,2-Trichloroethane	48		"	50.0		96.0	83-123				
1,1-Dichloroethane	54		"	50.0		109	75-130				
1,1-Dichloroethylene	63		"	50.0		126	64-137				
1,2,3-Trichlorobenzene	52		"	50.0		105	81-140				
1,2,3-Trichloropropane	52		"	50.0		104	81-126				
1,2,4-Trichlorobenzene	52		"	50.0		103	80-141				
1,2,4-Trimethylbenzene	51		"	50.0		102	84-125				
1,2-Dibromo-3-chloropropane	57		"	50.0		114	74-142				
1,2-Dibromoethane	51		"	50.0		102	86-123				
1,2-Dichlorobenzene	50		"	50.0		99.3	85-122				
1,2-Dichloroethane	65		"	50.0		130	71-133				
1,2-Dichloropropane	48		"	50.0		95.7	81-122				
1,3,5-Trimethylbenzene	60		"	50.0		120	82-126				
1,3-Dichlorobenzene	50		"	50.0		100	84-124				
1,4-Dichlorobenzene	50		"	50.0		99.1	84-124				
1,4-Dioxane	1000		"	1050		96.2	10-228				
2-Butanone	52		"	50.0		105	58-147				
2-Hexanone	52		"	50.0		105	70-139				
4-Methyl-2-pentanone	42		"	50.0		83.4	72-132				
Acetone	58		"	50.0		116	36-155				
Acrolein	20		"	50.0		39.3	10-238				
Acrylonitrile	56		"	50.0		112	66-141				
Benzene	54		"	50.0		109	77-127				
Bromochloromethane	55		"	50.0		110	74-129				
Bromodichloromethane	55		"	50.0		111	81-124				
Bromoform	54		"	50.0		109	80-136				
Bromomethane	71		"	50.0		142	32-177				
Carbon disulfide	58		"	50.0		115	10-136				
Carbon tetrachloride	66		"	50.0		131	66-143				
Chlorobenzene	50		"	50.0		101	86-120				
Chloroethane	56		"	50.0		111	51-142				
Chloroform	59		"	50.0		119	76-131				
Chloromethane	95		"	50.0		190	49-132	High Bias			
cis-1,2-Dichloroethylene	57		"	50.0		114	74-132				
cis-1,3-Dichloropropylene	52		"	50.0		103	81-129				
Cyclohexane	25		"	50.0		50.2	70-130	Low Bias			
Dibromochloromethane	53		"	50.0		107	10-200				
Dibromomethane	51		"	50.0		102	83-124				
Dichlorodifluoromethane	100		"	50.0		202	28-158	High Bias			
Ethyl Benzene	52		"	50.0		105	84-125				
Hexachlorobutadiene	54		"	50.0		108	83-133				
Isopropylbenzene	49		"	50.0		98.5	81-127				
Methyl acetate	53		"	50.0		106	41-143				
Methyl tert-butyl ether (MTBE)	62		"	50.0		123	74-131				
Methylcyclohexane	54		"	50.0		109	70-130				
Methylene chloride	59		"	50.0		118	57-141				
n-Butylbenzene	53		"	50.0		106	80-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG01637 - EPA 5035A											
LCS (BG01637-BS1)	LCS										Prepared & Analyzed: 07/31/2020
n-Propylbenzene	48		ug/L	50.0		96.7	74-136				
o-Xylene	53		"	50.0		105	83-123				
p- & m- Xylenes	100		"	100		103	82-128				
p-Isopropyltoluene	52		"	50.0		103	85-125				
sec-Butylbenzene	52		"	50.0		104	83-125				
Styrene	53		"	50.0		105	86-126				
tert-Butyl alcohol (TBA)	280		"	250		111	70-130				
tert-Butylbenzene	44		"	50.0		88.1	80-127				
Tetrachloroethylene	49		"	50.0		97.3	80-129				
Toluene	51		"	50.0		101	85-121				
trans-1,2-Dichloroethylene	60		"	50.0		120	72-132				
trans-1,3-Dichloropropylene	53		"	50.0		106	78-132				
Trichloroethylene	52		"	50.0		103	84-123				
Trichlorofluoromethane	70		"	50.0		141	62-140	High Bias			
Vinyl Chloride	63		"	50.0		126	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	63.4		"	50.0		127	77-125				
Surrogate: SURR: Toluene-d8	48.0		"	50.0		96.0	85-120				
Surrogate: SURR: p-Bromofluorobenzene	49.0		"	50.0		98.0	76-130				
LCS Dup (BG01637-BSD1)	LCS Dup										Prepared & Analyzed: 07/31/2020
1,1,1,2-Tetrachloroethane	52		ug/L	50.0		104	75-129		2.63	30	
1,1,1-Trichloroethane	64		"	50.0		128	71-137		0.626	30	
1,1,2,2-Tetrachloroethane	45		"	50.0		90.4	79-129		0.617	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	59		"	50.0		118	58-146		0.135	30	
1,1,2-Trichloroethane	47		"	50.0		94.9	83-123		1.19	30	
1,1-Dichloroethane	54		"	50.0		109	75-130		0.331	30	
1,1-Dichloroethylene	61		"	50.0		123	64-137		2.30	30	
1,2,3-Trichlorobenzene	51		"	50.0		102	81-140		2.09	30	
1,2,3-Trichloropropane	50		"	50.0		101	81-126		2.99	30	
1,2,4-Trichlorobenzene	50		"	50.0		100	80-141		3.15	30	
1,2,4-Trimethylbenzene	49		"	50.0		98.6	84-125		3.09	30	
1,2-Dibromo-3-chloropropane	56		"	50.0		111	74-142		2.34	30	
1,2-Dibromoethane	49		"	50.0		97.7	86-123		4.37	30	
1,2-Dichlorobenzene	49		"	50.0		97.1	85-122		2.24	30	
1,2-Dichloroethane	67		"	50.0		134	71-133	High Bias	2.79	30	
1,2-Dichloropropane	45		"	50.0		90.7	81-122		5.37	30	
1,3,5-Trimethylbenzene	58		"	50.0		116	82-126		3.40	30	
1,3-Dichlorobenzene	48		"	50.0		95.2	84-124		5.06	30	
1,4-Dichlorobenzene	48		"	50.0		96.3	84-124		2.82	30	
1,4-Dioxane	1000		"	1050		99.9	10-228		3.73	30	
2-Butanone	53		"	50.0		106	58-147		1.18	30	
2-Hexanone	50		"	50.0		101	70-139		3.84	30	
4-Methyl-2-pentanone	41		"	50.0		82.9	72-132		0.553	30	
Acetone	59		"	50.0		117	36-155		1.22	30	
Acrolein	22		"	50.0		44.7	10-238		12.7	30	
Acrylonitrile	56		"	50.0		111	66-141		0.806	30	
Benzene	54		"	50.0		107	77-127		1.47	30	
Bromochloromethane	54		"	50.0		109	74-129		1.12	30	
Bromodichloromethane	54		"	50.0		107	81-124		3.01	30	
Bromoform	53		"	50.0		107	80-136		1.65	30	
Bromomethane	67		"	50.0		133	32-177		6.52	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG01637 - EPA 5035A											
LCS Dup (BG01637-BSD1)	LCS Dup	Prepared & Analyzed: 07/31/2020									
Carbon disulfide	57		ug/L	50.0		114	10-136		1.40	30	
Carbon tetrachloride	64		"	50.0		127	66-143		2.91	30	
Chlorobenzene	50		"	50.0		99.7	86-120		0.879	30	
Chloroethane	53		"	50.0		105	51-142		5.31	30	
Chloroform	60		"	50.0		120	76-131		0.637	30	
Chloromethane	96		"	50.0		191	49-132	High Bias	0.451	30	
cis-1,2-Dichloroethylene	57		"	50.0		113	74-132		0.772	30	
cis-1,3-Dichloropropylene	49		"	50.0		98.1	81-129		4.87	30	
Cyclohexane	24		"	50.0		48.8	70-130	Low Bias	2.83	30	
Dibromochloromethane	53		"	50.0		106	10-200		0.751	30	
Dibromomethane	50		"	50.0		99.4	83-124		2.60	30	
Dichlorodifluoromethane	99		"	50.0		197	28-158	High Bias	2.45	30	
Ethyl Benzene	51		"	50.0		103	84-125		1.91	30	
Hexachlorobutadiene	51		"	50.0		102	83-133		5.81	30	
Isopropylbenzene	47		"	50.0		93.8	81-127		4.85	30	
Methyl acetate	55		"	50.0		109	41-143		3.28	30	
Methyl tert-butyl ether (MTBE)	63		"	50.0		126	74-131		1.78	30	
Methylcyclohexane	52		"	50.0		104	70-130		4.59	30	
Methylene chloride	57		"	50.0		113	57-141		3.74	30	
n-Butylbenzene	51		"	50.0		102	80-130		3.58	30	
n-Propylbenzene	47		"	50.0		94.4	74-136		2.39	30	
o-Xylene	51		"	50.0		103	83-123		2.37	30	
p- & m- Xylenes	100		"	100		102	82-128		1.77	30	
p-Isopropyltoluene	50		"	50.0		99.8	85-125		3.54	30	
sec-Butylbenzene	51		"	50.0		102	83-125		2.78	30	
Styrene	51		"	50.0		103	86-126		2.42	30	
tert-Butyl alcohol (TBA)	290		"	250		114	70-130		2.56	30	
tert-Butylbenzene	42		"	50.0		83.5	80-127		5.34	30	
Tetrachloroethylene	47		"	50.0		94.1	80-129		3.39	30	
Toluene	48		"	50.0		96.7	85-121		4.65	30	
trans-1,2-Dichloroethylene	59		"	50.0		118	72-132		1.36	30	
trans-1,3-Dichloropropylene	52		"	50.0		104	78-132		1.37	30	
Trichloroethylene	49		"	50.0		97.6	84-123		5.65	30	
Trichlorofluoromethane	69		"	50.0		137	62-140		2.59	30	
Vinyl Chloride	62		"	50.0		125	52-130		1.29	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	63.8		"	50.0		128	77-125				
Surrogate: SURR: Toluene-d8	49.0		"	50.0		98.1	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.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH00080 - EPA 5035A

Blank (BH00080-BLK1)

Blank

Prepared & Analyzed: 08/03/2020

1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2-Butanone	ND	5.0	"								
2-Hexanone	ND	5.0	"								
4-Methyl-2-pentanone	ND	5.0	"								
Acetone	ND	10	"								
Acrolein	ND	10	"								
Acrylonitrile	ND	5.0	"								
Benzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon disulfide	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	4.6	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Cyclohexane	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl acetate	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylcyclohexane	ND	5.0	"								
Methylene chloride	ND	10	"								
n-Butylbenzene	ND	5.0	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH00080 - EPA 5035A

Blank (BH00080-BLK1)		Prepared & Analyzed: 08/03/2020									
n-Propylbenzene	ND	5.0	ug/kg wet								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butyl alcohol (TBA)	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Surrogate: SURRE: 1,2-Dichloroethane-d4	58.7		ug/L	50.0		117	77-125				
Surrogate: SURRE: Toluene-d8	48.4		"	50.0		96.7	85-120				
Surrogate: SURRE: p-Bromofluorobenzene	48.9		"	50.0		97.8	76-130				

Blank (BH00080-BLK2)		Prepared & Analyzed: 08/03/2020									
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2-Butanone	ND	5.0	"								
2-Hexanone	ND	5.0	"								
4-Methyl-2-pentanone	ND	5.0	"								
Acetone	5.1	10	"								
Acrolein	ND	10	"								
Acrylonitrile	ND	5.0	"								
Benzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH00080 - EPA 5035A

Blank (BH00080-BLK2) Blank

Prepared & Analyzed: 08/03/2020

Bromomethane	ND	5.0	ug/kg wet								
Carbon disulfide	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Cyclohexane	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl acetate	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylcyclohexane	ND	5.0	"								
Methylene chloride	ND	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butyl alcohol (TBA)	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	56.8		ug/L	50.0		114	77-125				
<i>Surrogate: SURR: Toluene-d8</i>	48.8		"	50.0		97.5	85-120				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	49.8		"	50.0		99.6	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH00080 - EPA 5035A

LCS (BH00080-BS1)	LCS										
											Prepared & Analyzed: 08/03/2020
1,1,1,2-Tetrachloroethane	53		ug/L	50.0		106	75-129				
1,1,1-Trichloroethane	62		"	50.0		124	71-137				
1,1,2,2-Tetrachloroethane	48		"	50.0		95.8	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	61		"	50.0		121	58-146				
1,1,2-Trichloroethane	50		"	50.0		100	83-123				
1,1-Dichloroethane	54		"	50.0		108	75-130				
1,1-Dichloroethylene	62		"	50.0		123	64-137				
1,2,3-Trichlorobenzene	50		"	50.0		99.5	81-140				
1,2,3-Trichloropropane	50		"	50.0		101	81-126				
1,2,4-Trichlorobenzene	50		"	50.0		99.5	80-141				
1,2,4-Trimethylbenzene	50		"	50.0		100	84-125				
1,2-Dibromo-3-chloropropane	55		"	50.0		111	74-142				
1,2-Dibromoethane	51		"	50.0		102	86-123				
1,2-Dichlorobenzene	49		"	50.0		98.6	85-122				
1,2-Dichloroethane	58		"	50.0		117	71-133				
1,2-Dichloropropane	50		"	50.0		99.3	81-122				
1,3,5-Trimethylbenzene	58		"	50.0		117	82-126				
1,3-Dichlorobenzene	48		"	50.0		95.3	84-124				
1,4-Dichlorobenzene	48		"	50.0		96.8	84-124				
1,4-Dioxane	970		"	1050		92.3	10-228				
2-Butanone	51		"	50.0		102	58-147				
2-Hexanone	51		"	50.0		102	70-139				
4-Methyl-2-pentanone	43		"	50.0		86.7	72-132				
Acetone	54		"	50.0		109	36-155				
Acrolein	22		"	50.0		43.6	10-238				
Acrylonitrile	56		"	50.0		112	66-141				
Benzene	54		"	50.0		108	77-127				
Bromochloromethane	52		"	50.0		104	74-129				
Bromodichloromethane	54		"	50.0		109	81-124				
Bromoform	57		"	50.0		114	80-136				
Bromomethane	70		"	50.0		140	32-177				
Carbon disulfide	59		"	50.0		118	10-136				
Carbon tetrachloride	61		"	50.0		121	66-143				
Chlorobenzene	50		"	50.0		100	86-120				
Chloroethane	58		"	50.0		115	51-142				
Chloroform	57		"	50.0		115	76-131				
Chloromethane	95		"	50.0		190	49-132	High Bias			
cis-1,2-Dichloroethylene	55		"	50.0		111	74-132				
cis-1,3-Dichloropropylene	52		"	50.0		104	81-129				
Cyclohexane	26		"	50.0		51.4	70-130	Low Bias			
Dibromochloromethane	56		"	50.0		112	10-200				
Dibromomethane	52		"	50.0		104	83-124				
Dichlorodifluoromethane	83		"	50.0		167	28-158	High Bias			
Ethyl Benzene	53		"	50.0		106	84-125				
Hexachlorobutadiene	53		"	50.0		105	83-133				
Isopropylbenzene	49		"	50.0		97.4	81-127				
Methyl acetate	54		"	50.0		107	41-143				
Methyl tert-butyl ether (MTBE)	60		"	50.0		119	74-131				
Methylcyclohexane	56		"	50.0		112	70-130				
Methylene chloride	56		"	50.0		113	57-141				
n-Butylbenzene	53		"	50.0		106	80-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	
		Limit			Result					RPD	Limit
Batch BH00080 - EPA 5035A											
LCS (BH00080-BS1)	LCS	Prepared & Analyzed: 08/03/2020									
n-Propylbenzene	48		ug/L	50.0		95.8	74-136				
o-Xylene	52		"	50.0		104	83-123				
p- & m- Xylenes	100		"	100		103	82-128				
p-Isopropyltoluene	50		"	50.0		101	85-125				
sec-Butylbenzene	52		"	50.0		103	83-125				
Styrene	53		"	50.0		105	86-126				
tert-Butyl alcohol (TBA)	260		"	250		103	70-130				
tert-Butylbenzene	43		"	50.0		85.3	80-127				
Tetrachloroethylene	49		"	50.0		97.1	80-129				
Toluene	50		"	50.0		99.2	85-121				
trans-1,2-Dichloroethylene	60		"	50.0		120	72-132				
trans-1,3-Dichloropropylene	53		"	50.0		107	78-132				
Trichloroethylene	54		"	50.0		108	84-123				
Trichlorofluoromethane	64		"	50.0		127	62-140				
Vinyl Chloride	63		"	50.0		126	52-130				
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>55.9</i>		<i>"</i>	<i>50.0</i>		<i>112</i>	<i>77-125</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>49.2</i>		<i>"</i>	<i>50.0</i>		<i>98.4</i>	<i>85-120</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>49.3</i>		<i>"</i>	<i>50.0</i>		<i>98.6</i>	<i>76-130</i>				
LCS Dup (BH00080-BSD1)	LCS Dup	Prepared & Analyzed: 08/03/2020									
1,1,1,2-Tetrachloroethane	51		ug/L	50.0		102	75-129		3.76	30	
1,1,1-Trichloroethane	60		"	50.0		119	71-137		3.52	30	
1,1,2,2-Tetrachloroethane	47		"	50.0		93.1	79-129		2.79	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	60		"	50.0		120	58-146		0.663	30	
1,1,2-Trichloroethane	48		"	50.0		96.6	83-123		3.98	30	
1,1-Dichloroethane	54		"	50.0		109	75-130		0.0737	30	
1,1-Dichloroethylene	61		"	50.0		122	64-137		1.36	30	
1,2,3-Trichlorobenzene	50		"	50.0		101	81-140		1.42	30	
1,2,3-Trichloropropane	52		"	50.0		104	81-126		2.84	30	
1,2,4-Trichlorobenzene	51		"	50.0		102	80-141		2.58	30	
1,2,4-Trimethylbenzene	50		"	50.0		99.8	84-125		0.460	30	
1,2-Dibromo-3-chloropropane	55		"	50.0		110	74-142		0.308	30	
1,2-Dibromoethane	50		"	50.0		99.2	86-123		3.08	30	
1,2-Dichlorobenzene	48		"	50.0		96.5	85-122		2.21	30	
1,2-Dichloroethane	59		"	50.0		117	71-133		0.769	30	
1,2-Dichloropropane	49		"	50.0		97.4	81-122		1.93	30	
1,3,5-Trimethylbenzene	59		"	50.0		118	82-126		0.529	30	
1,3-Dichlorobenzene	48		"	50.0		96.1	84-124		0.878	30	
1,4-Dichlorobenzene	50		"	50.0		99.0	84-124		2.27	30	
1,4-Dioxane	930		"	1050		88.9	10-228		3.74	30	
2-Butanone	49		"	50.0		98.2	58-147		4.17	30	
2-Hexanone	48		"	50.0		96.2	70-139		6.15	30	
4-Methyl-2-pentanone	39		"	50.0		78.6	72-132		9.75	30	
Acetone	52		"	50.0		104	36-155		5.01	30	
Acrolein	20		"	50.0		40.0	10-238		8.57	30	
Acrylonitrile	53		"	50.0		106	66-141		5.65	30	
Benzene	53		"	50.0		105	77-127		2.30	30	
Bromochloromethane	53		"	50.0		106	74-129		1.45	30	
Bromodichloromethane	54		"	50.0		107	81-124		1.52	30	
Bromoform	55		"	50.0		109	80-136		3.70	30	
Bromomethane	72		"	50.0		145	32-177		3.13	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	
		Limit								RPD	Limit
Batch BH00080 - EPA 5035A											
LCS Dup (BH00080-BSD1)	LCS Dup	Prepared & Analyzed: 08/03/2020									
Carbon disulfide	57		ug/L	50.0		113		10-136		4.59	30
Carbon tetrachloride	59		"	50.0		117		66-143		3.32	30
Chlorobenzene	48		"	50.0		96.0		86-120		4.40	30
Chloroethane	55		"	50.0		111		51-142		3.66	30
Chloroform	56		"	50.0		113		76-131		1.88	30
Chloromethane	92		"	50.0		185		49-132	High Bias	2.93	30
cis-1,2-Dichloroethylene	56		"	50.0		111		74-132		0.702	30
cis-1,3-Dichloropropylene	50		"	50.0		100		81-129		4.00	30
Cyclohexane	25		"	50.0		49.4		70-130	Low Bias	3.85	30
Dibromochloromethane	53		"	50.0		106		10-200		4.98	30
Dibromomethane	51		"	50.0		101		83-124		3.23	30
Dichlorodifluoromethane	82		"	50.0		164		28-158	High Bias	1.63	30
Ethyl Benzene	50		"	50.0		99.6		84-125		6.23	30
Hexachlorobutadiene	52		"	50.0		103		83-133		1.98	30
Isopropylbenzene	47		"	50.0		94.3		81-127		3.19	30
Methyl acetate	52		"	50.0		103		41-143		3.67	30
Methyl tert-butyl ether (MTBE)	59		"	50.0		118		74-131		0.792	30
Methylcyclohexane	54		"	50.0		108		70-130		4.09	30
Methylene chloride	56		"	50.0		112		57-141		0.427	30
n-Butylbenzene	51		"	50.0		101		80-130		4.27	30
n-Propylbenzene	47		"	50.0		94.6		74-136		1.28	30
o-Xylene	50		"	50.0		99.4		83-123		4.68	30
p- & m- Xylenes	98		"	100		98.4		82-128		4.93	30
p-Isopropyltoluene	49		"	50.0		98.8		85-125		1.98	30
sec-Butylbenzene	51		"	50.0		101		83-125		1.57	30
Styrene	50		"	50.0		100		86-126		4.48	30
tert-Butyl alcohol (TBA)	260		"	250		104		70-130		0.767	30
tert-Butylbenzene	42		"	50.0		85.0		80-127		0.329	30
Tetrachloroethylene	47		"	50.0		93.0		80-129		4.27	30
Toluene	48		"	50.0		95.1		85-121		4.22	30
trans-1,2-Dichloroethylene	58		"	50.0		115		72-132		3.62	30
trans-1,3-Dichloropropylene	52		"	50.0		103		78-132		3.33	30
Trichloroethylene	50		"	50.0		101		84-123		7.24	30
Trichlorofluoromethane	62		"	50.0		125		62-140		2.03	30
Vinyl Chloride	61		"	50.0		122		52-130		2.79	30
Surrogate: SURR: 1,2-Dichloroethane-d4	56.3		"	50.0		113		77-125			
Surrogate: SURR: Toluene-d8	49.2		"	50.0		98.5		85-120			
Surrogate: SURR: p-Bromofluorobenzene	49.9		"	50.0		99.7		76-130			



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH00223 - EPA 5035A

Blank (BH00223-BLK1) Blank

Prepared: 08/04/2020 Analyzed: 08/05/2020

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



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

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

Batch BH00223 - EPA 5035A

Blank (BH00223-BLK1)		Blank		Prepared: 08/04/2020 Analyzed: 08/05/2020							
n-Propylbenzene	ND	5.0	ug/kg wet								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butyl alcohol (TBA)	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>		49.8	ug/L	50.0		99.6	77-125				
<i>Surrogate: SURR: Toluene-d8</i>		49.9	"	50.0		99.8	85-120				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>		53.7	"	50.0		107	76-130				

Blank (BH00223-BLK2)		MEOH BLANK		Prepared: 08/04/2020 Analyzed: 08/05/2020							
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2-Butanone	ND	5.0	"								
2-Hexanone	ND	5.0	"								
4-Methyl-2-pentanone	ND	5.0	"								
Acetone	ND	10	"								
Acrolein	ND	10	"								
Acrylonitrile	ND	5.0	"								
Benzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH00223 - EPA 5035A

Blank (BH00223-BLK2) MEOH BLANK

Prepared: 08/04/2020 Analyzed: 08/05/2020

Bromomethane	ND	5.0	ug/kg wet								
Carbon disulfide	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Cyclohexane	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl acetate	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylcyclohexane	ND	5.0	"								
Methylene chloride	ND	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butyl alcohol (TBA)	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	49.9		ug/L	50.0		99.8	77-125				
<i>Surrogate: SURR: Toluene-d8</i>	50.5		"	50.0		101	85-120				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	53.9		"	50.0		108	76-130				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH00223 - EPA 5035A

LCS (BH00223-BS1)	LCS										
											Prepared: 08/04/2020 Analyzed: 08/05/2020
1,1,1,2-Tetrachloroethane	37		ug/L	50.0		74.4	75-129	Low Bias			
1,1,1-Trichloroethane	49		"	50.0		98.2	71-137				
1,1,2,2-Tetrachloroethane	50		"	50.0		99.4	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	46		"	50.0		91.9	58-146				
1,1,2-Trichloroethane	46		"	50.0		91.5	83-123				
1,1-Dichloroethane	45		"	50.0		90.8	75-130				
1,1-Dichloroethylene	48		"	50.0		96.4	64-137				
1,2,3-Trichlorobenzene	51		"	50.0		102	81-140				
1,2,3-Trichloropropane	49		"	50.0		98.2	81-126				
1,2,4-Trichlorobenzene	50		"	50.0		101	80-141				
1,2,4-Trimethylbenzene	46		"	50.0		92.0	84-125				
1,2-Dibromo-3-chloropropane	52		"	50.0		104	74-142				
1,2-Dibromoethane	48		"	50.0		95.6	86-123				
1,2-Dichlorobenzene	47		"	50.0		94.8	85-122				
1,2-Dichloroethane	48		"	50.0		95.3	71-133				
1,2-Dichloropropane	46		"	50.0		91.8	81-122				
1,3,5-Trimethylbenzene	48		"	50.0		95.1	82-126				
1,3-Dichlorobenzene	46		"	50.0		92.5	84-124				
1,4-Dichlorobenzene	47		"	50.0		93.6	84-124				
1,4-Dioxane	1100		"	1050		105	10-228				
2-Butanone	45		"	50.0		90.7	58-147				
2-Hexanone	50		"	50.0		99.7	70-139				
4-Methyl-2-pentanone	51		"	50.0		102	72-132				
Acetone	33		"	50.0		66.4	36-155				
Acrolein	38		"	50.0		76.9	10-238				
Acrylonitrile	51		"	50.0		102	66-141				
Benzene	47		"	50.0		94.4	77-127				
Bromochloromethane	47		"	50.0		94.3	74-129				
Bromodichloromethane	49		"	50.0		98.0	81-124				
Bromoform	39		"	50.0		78.0	80-136	Low Bias			
Bromomethane	56		"	50.0		112	32-177				
Carbon disulfide	51		"	50.0		103	10-136				
Carbon tetrachloride	49		"	50.0		98.3	66-143				
Chlorobenzene	47		"	50.0		94.5	86-120				
Chloroethane	48		"	50.0		95.1	51-142				
Chloroform	48		"	50.0		95.4	76-131				
Chloromethane	56		"	50.0		112	49-132				
cis-1,2-Dichloroethylene	47		"	50.0		93.5	74-132				
cis-1,3-Dichloropropylene	48		"	50.0		96.8	81-129				
Cyclohexane	49		"	50.0		99.0	70-130				
Dibromochloromethane	51		"	50.0		103	10-200				
Dibromomethane	47		"	50.0		93.4	83-124				
Dichlorodifluoromethane	47		"	50.0		93.5	28-158				
Ethyl Benzene	47		"	50.0		94.0	84-125				
Hexachlorobutadiene	50		"	50.0		99.1	83-133				
Isopropylbenzene	46		"	50.0		92.1	81-127				
Methyl acetate	46		"	50.0		91.1	41-143				
Methyl tert-butyl ether (MTBE)	50		"	50.0		100	74-131				
Methylcyclohexane	50		"	50.0		101	70-130				
Methylene chloride	49		"	50.0		97.9	57-141				
n-Butylbenzene	46		"	50.0		91.7	80-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	
		Limit			Result					RPD	Limit
Batch BH00223 - EPA 5035A											
LCS (BH00223-BS1)	LCS	Prepared: 08/04/2020 Analyzed: 08/05/2020									
n-Propylbenzene	47		ug/L	50.0		93.9		74-136			
o-Xylene	46		"	50.0		92.0		83-123			
p- & m- Xylenes	94		"	100		94.1		82-128			
p-Isopropyltoluene	48		"	50.0		96.2		85-125			
sec-Butylbenzene	50		"	50.0		99.3		83-125			
Styrene	47		"	50.0		94.4		86-126			
tert-Butyl alcohol (TBA)	260		"	250		105		70-130			
tert-Butylbenzene	46		"	50.0		92.5		80-127			
Tetrachloroethylene	43		"	50.0		86.7		80-129			
Toluene	47		"	50.0		93.9		85-121			
trans-1,2-Dichloroethylene	49		"	50.0		98.1		72-132			
trans-1,3-Dichloropropylene	48		"	50.0		96.6		78-132			
Trichloroethylene	49		"	50.0		97.3		84-123			
Trichlorofluoromethane	46		"	50.0		92.7		62-140			
Vinyl Chloride	52		"	50.0		104		52-130			
Surrogate: SURR: 1,2-Dichloroethane-d4	50.1		"	50.0		100		77-125			
Surrogate: SURR: Toluene-d8	49.9		"	50.0		99.8		85-120			
Surrogate: SURR: p-Bromofluorobenzene	51.1		"	50.0		102		76-130			
LCS Dup (BH00223-BSD1)	LCS Dup	Prepared: 08/04/2020 Analyzed: 08/05/2020									
1,1,1,2-Tetrachloroethane	40		ug/L	50.0		79.9		75-129		7.08	30
1,1,1-Trichloroethane	53		"	50.0		105		71-137		6.71	30
1,1,2,2-Tetrachloroethane	51		"	50.0		102		79-129		2.09	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	56		"	50.0		112		58-146		19.9	30
1,1,2-Trichloroethane	49		"	50.0		97.4		83-123		6.20	30
1,1-Dichloroethane	50		"	50.0		99.7		75-130		9.35	30
1,1-Dichloroethylene	53		"	50.0		107		64-137		9.99	30
1,2,3-Trichlorobenzene	46		"	50.0		92.9		81-140		9.04	30
1,2,3-Trichloropropane	49		"	50.0		98.5		81-126		0.305	30
1,2,4-Trichlorobenzene	41		"	50.0		81.4		80-141		21.4	30
1,2,4-Trimethylbenzene	44		"	50.0		88.6		84-125		3.76	30
1,2-Dibromo-3-chloropropane	54		"	50.0		109		74-142		3.92	30
1,2-Dibromoethane	50		"	50.0		99.4		86-123		3.94	30
1,2-Dichlorobenzene	46		"	50.0		91.8		85-122		3.22	30
1,2-Dichloroethane	51		"	50.0		102		71-133		6.36	30
1,2-Dichloropropane	49		"	50.0		98.0		81-122		6.54	30
1,3,5-Trimethylbenzene	47		"	50.0		94.4		82-126		0.781	30
1,3-Dichlorobenzene	44		"	50.0		87.4		84-124		5.74	30
1,4-Dichlorobenzene	43		"	50.0		86.4		84-124		7.91	30
1,4-Dioxane	1200		"	1050		117		10-228		10.6	30
2-Butanone	48		"	50.0		95.4		58-147		5.14	30
2-Hexanone	51		"	50.0		102		70-139		2.20	30
4-Methyl-2-pentanone	52		"	50.0		105		72-132		2.96	30
Acetone	37		"	50.0		73.3		36-155		9.96	30
Acrolein	30		"	50.0		59.6		10-238		25.4	30
Acrylonitrile	52		"	50.0		104		66-141		2.23	30
Benzene	51		"	50.0		101		77-127		6.85	30
Bromochloromethane	51		"	50.0		101		74-129		7.38	30
Bromodichloromethane	52		"	50.0		104		81-124		6.40	30
Bromoform	41		"	50.0		81.3		80-136		4.14	30
Bromomethane	57		"	50.0		115		32-177		2.42	30



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH00223 - EPA 5035A

LCS Dup (BH00223-bsd1)	LCS Dup	Prepared: 08/04/2020 Analyzed: 08/05/2020									
Carbon disulfide	56	ug/L	50.0	112	10-136	8.46	30				
Carbon tetrachloride	52	"	50.0	104	66-143	5.31	30				
Chlorobenzene	48	"	50.0	95.5	86-120	1.07	30				
Chloroethane	53	"	50.0	106	51-142	11.3	30				
Chloroform	51	"	50.0	102	76-131	6.90	30				
Chloromethane	66	"	50.0	131	49-132	15.6	30				
cis-1,2-Dichloroethylene	50	"	50.0	100	74-132	6.74	30				
cis-1,3-Dichloropropylene	49	"	50.0	98.3	81-129	1.58	30				
Cyclohexane	53	"	50.0	106	70-130	6.83	30				
Dibromochloromethane	53	"	50.0	107	10-200	3.89	30				
Dibromomethane	50	"	50.0	100	83-124	7.14	30				
Dichlorodifluoromethane	60	"	50.0	120	28-158	25.3	30				
Ethyl Benzene	48	"	50.0	95.6	84-125	1.71	30				
Hexachlorobutadiene	48	"	50.0	95.3	83-133	3.95	30				
Isopropylbenzene	47	"	50.0	93.7	81-127	1.64	30				
Methyl acetate	48	"	50.0	95.0	41-143	4.15	30				
Methyl tert-butyl ether (MTBE)	54	"	50.0	107	74-131	6.65	30				
Methylcyclohexane	53	"	50.0	107	70-130	5.58	30				
Methylene chloride	53	"	50.0	107	57-141	8.41	30				
n-Butylbenzene	43	"	50.0	85.5	80-130	7.06	30				
n-Propylbenzene	45	"	50.0	90.7	74-136	3.42	30				
o-Xylene	47	"	50.0	94.4	83-123	2.55	30				
p- & m- Xylenes	95	"	100	94.7	82-128	0.593	30				
p-Isopropyltoluene	46	"	50.0	91.3	85-125	5.20	30				
sec-Butylbenzene	50	"	50.0	99.9	83-125	0.602	30				
Styrene	48	"	50.0	96.5	86-126	2.22	30				
tert-Butyl alcohol (TBA)	270	"	250	110	70-130	4.76	30				
tert-Butylbenzene	48	"	50.0	95.4	80-127	3.02	30				
Tetrachloroethylene	43	"	50.0	86.4	80-129	0.324	30				
Toluene	48	"	50.0	97.0	85-121	3.21	30				
trans-1,2-Dichloroethylene	53	"	50.0	106	72-132	8.15	30				
trans-1,3-Dichloropropylene	49	"	50.0	97.5	78-132	0.866	30				
Trichloroethylene	51	"	50.0	102	84-123	4.66	30				
Trichlorofluoromethane	51	"	50.0	102	62-140	9.73	30				
Vinyl Chloride	59	"	50.0	118	52-130	12.8	30				
Surrogate: SURR: 1,2-Dichloroethane-d4	50.5	"	50.0	101	77-125						
Surrogate: SURR: Toluene-d8	50.4	"	50.0	101	85-120						
Surrogate: SURR: p-Bromofluorobenzene	50.8	"	50.0	102	76-130						



Gas Chromatography/Flame Ionization Detector - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG01453 - EPA 5035A											
Blank (BG01453-BLK1)	Blank										Prepared & Analyzed: 07/29/2020
Total Petroleum Hydrocarbons-GRO	29.9	16.0	mg/kg wet								
Surrogate: SURR: p-Bromofluorobenzene	319		ug/L	200		159	70-130				
Reference (BG01453-SRM1)	Reference										Prepared & Analyzed: 07/29/2020
Total Petroleum Hydrocarbons-GRO	530	4.00	mg/kg wet	237		223	24.9-274				
Surrogate: SURR: p-Bromofluorobenzene	425		ug/L	200		212	70-130				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG01346 - EPA 3050B

Blank (BG01346-BLK1) Blank Prepared: 07/27/2020 Analyzed: 07/28/2020

Aluminum	ND	5.00	mg/kg wet								
Antimony	ND	2.50	"								
Arsenic	ND	1.50	"								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Calcium	ND	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.400	"								
Copper	4.96	2.00	"								
Iron	ND	25.0	"								
Lead	ND	0.500	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	1.00	"								
Potassium	6.10	5.00	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Sodium	ND	50.0	"								
Thallium	ND	2.50	"								
Vanadium	ND	1.00	"								
Zinc	ND	2.50	"								

Duplicate (BG01346-DUP1) Duplicate Prepared: 07/27/2020 Analyzed: 07/28/2020
 *Source sample: 20G0969-08 (DUP01_072520)

Aluminum	7540	5.62	mg/kg dry		8630				13.5	35	
Antimony	ND	2.81	"		ND					35	
Arsenic	ND	1.69	"		ND					35	
Barium	47.6	2.81	"		57.1				18.3	35	
Beryllium	ND	0.056	"		ND					35	
Cadmium	ND	0.337	"		ND					35	
Calcium	2790	5.62	"		2700				3.45	35	
Chromium	15.1	0.562	"		15.9				4.75	35	
Cobalt	8.30	0.450	"		9.06				8.74	35	
Copper	17.8	2.25	"		18.2				2.14	35	
Iron	15400	28.1	"		17300				11.5	35	
Lead	5.49	0.562	"		7.99				37.0	35	Non-dir.
Magnesium	3260	5.62	"		3600				9.92	35	
Manganese	429	0.562	"		448				4.39	35	
Nickel	18.6	1.12	"		20.9				11.5	35	
Potassium	1540	5.62	"		1730				12.1	35	
Selenium	ND	2.81	"		ND					35	
Silver	ND	0.562	"		ND					35	
Sodium	326	56.2	"		332				1.60	35	
Thallium	ND	2.81	"		ND					35	
Vanadium	19.3	1.12	"		21.0				8.49	35	
Zinc	32.6	2.81	"		36.5				11.2	35	



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

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

Batch BG01346 - EPA 3050B

Post Spike (BG01346-PS1)	Post Spike	*Source sample: 20G0969-08 (DUP01_072520)					Prepared: 07/27/2020 Analyzed: 07/28/2020				
Aluminum	80.4		ug/mL	2.00	76.8	177	75-125	High Bias			
Antimony	0.248		"	0.250	-0.010	99.1	75-125				
Arsenic	1.88		"	2.00	0.010	93.6	75-125				
Barium	2.46		"	2.00	0.508	97.6	75-125				
Beryllium	0.025		"	0.0500	-0.023	49.8	75-125	Low Bias			
Cadmium	0.046		"	0.0500	-0.002	92.6	75-125				
Calcium	25.1		"	1.00	24.0	112	75-125				
Chromium	0.331		"	0.200	0.141	94.8	75-125				
Cobalt	0.573		"	0.500	0.081	98.6	75-125				
Copper	0.422		"	0.250	0.162	104	75-125				
Iron	157		"	1.00	154	272	75-125	High Bias			
Lead	0.548		"	0.500	0.071	95.4	75-125				
Magnesium	33.4		"	1.00	32.0	134	75-125	High Bias			
Manganese	4.51		"	0.500	3.99	103	75-125				
Nickel	0.682		"	0.500	0.186	99.2	75-125				
Potassium	17.0		"	1.00	15.4	157	75-125	High Bias			
Selenium	1.57		"	2.00	-0.103	78.6	75-125				
Silver	0.022		"	0.0500	-0.016	43.7	75-125	Low Bias			
Sodium	4.06		"	1.00	2.95	111	75-125				
Thallium	1.88		"	2.00	-0.029	93.8	75-125				
Vanadium	0.661		"	0.500	0.187	94.9	75-125				
Zinc	0.792		"	0.500	0.325	93.4	75-125				

Reference (BG01346-SRM1)	Reference	Prepared: 07/27/2020 Analyzed: 07/28/2020									
Aluminum	9080	5.00	mg/kg wet	8460		107	50.5-150.1				
Antimony	64.3	2.50	"	120		53.6	19-251.7				
Arsenic	101	1.50	"	95.5		105	70.1-129.8				
Barium	315	2.50	"	300		105	75-125				
Beryllium	104	0.050	"	103		101	75-125.2				
Cadmium	136	0.300	"	135		101	74.8-125.2				
Calcium	4840	5.00	"	4720		103	72.7-127.5				
Chromium	150	0.500	"	147		102	70.1-129.9				
Cobalt	46.1	0.400	"	43.2		107	75-125				
Copper	174	2.00	"	150		116	75.3-125.3				
Iron	14800	25.0	"	14400		103	35.8-164.6				
Lead	95.5	0.500	"	92.3		104	70-130				
Magnesium	2400	5.00	"	2300		105	61.7-137.8				
Manganese	688	0.500	"	677		102	78.1-122				
Nickel	70.6	1.00	"	59.8		118	70.1-130.1				
Potassium	2090	5.00	"	2030		103	59.1-140.9				
Selenium	28.4	2.50	"	42.0		67.6	55.7-144.5				
Silver	41.4	0.500	"	40.3		103	69.2-130.8				
Sodium	133	50.0	"	139		95.4	36.1-163.3				
Thallium	82.0	2.50	"	83.1		98.7	65.3-146.8				
Vanadium	98.6	1.00	"	96.9		102	67-133.1				
Zinc	371	2.50	"	369		100	69.9-130.1				



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG01325 - EPA 7473 soil											
Blank (BG01325-BLK1)	Blank								Prepared & Analyzed: 07/27/2020		
Mercury	ND	0.0300	mg/kg wet								
Reference (BG01325-SRM1)	Reference								Prepared & Analyzed: 07/27/2020		
Mercury	3.6151		mg/kg	3.71		97.4	65-135				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH00036 - Analysis Preparation											
Blank (BH00036-BLK1)	Blank								Prepared & Analyzed: 08/03/2020		
Chemical Oxygen Demand (COD)	ND	10	mg/kg wet								
LCS (BH00036-BS1)	LCS								Prepared & Analyzed: 08/03/2020		
Chemical Oxygen Demand (COD)	100	10	mg/kg wet	100		102	0-200				
Duplicate (BH00036-DUP1)	Duplicate		*Source sample: 20G0969-05 (SB-42_12-15)						Prepared & Analyzed: 08/03/2020		
Chemical Oxygen Demand (COD)	2200	12	mg/kg dry		2300				3.57	25	
Matrix Spike (BH00036-MS1)	Matrix Spike		*Source sample: 20G0969-05 (SB-42_12-15)						Prepared & Analyzed: 08/03/2020		
Chemical Oxygen Demand (COD)	3400	12	mg/kg dry	24.0	2300	NR	0-200	High Bias			



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
20G0969-01	SB-40_11-20	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
20G0969-01	SB-40_11-20	4 oz. WM Clear Glass Cool to 4° C
20G0969-03	SB-41_11-20	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
20G0969-03	SB-41_11-20	4 oz. WM Clear Glass Cool to 4° C
20G0969-05	SB-42_12-15	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
20G0969-05	SB-42_12-15	4 oz. WM Clear Glass Cool to 4° C
20G0969-07	SB-43_8-18	40mL Vial with Stir Bar-Cool 4° C
20G0969-07	SB-43_8-18	4 oz. WM Clear Glass Cool to 4° C
20G0969-08	DUP01_072520	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
20G0969-08	DUP01_072520	4 oz. WM Clear Glass Cool to 4° C

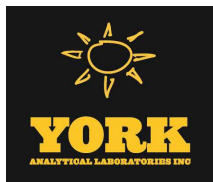


Sample and Data Qualifiers Relating to This Work Order

VOA-E	The concentration reported for this analyte is an estimated value above the linear range of the instrument for EPA SW846-5035/8260 (>200ppb). Re-analysis using 5035/8260 medium level prep. resulted in a detection below the reporting limit (<500ppb).
S-08	The recovery of this surrogate was outside of QC limits.
S-01	The surrogate recovery for this sample may not be available due to sample dilution required from high analyte concentration and/or matrix interferences.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-SRD1	The serial dilution for this element was outside control limits.
M-ICV2	The recovery for this element in the ICV was outside the 90-110% recovery criteria.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
M-CRL	The RL check for this element recovered outside of control limits.
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.
ICV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

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



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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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



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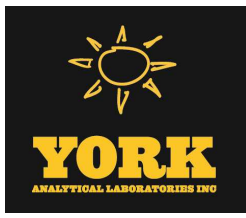
Field Chain-of-Custody Record

YORK Project No.
 2050969

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 1

YOUR INFORMATION		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company:	Langan Engineering	Company:	4	Company:	11	/ 40115301		RUSH - Next Day	
Address:	555 Long Wolf Drive, New Haven, CT	Address:	4	Address:	4	YOUR Project Name		RUSH - Two Day	
Phone:	203-784-3061	Phone:	4	Phone:	4	714 East 241st Street		RUSH - Three Day	
Contact:	Ryan Wohlstrom	Contact:	4	Contact:	4	YOUR PO#:		RUSH - Four Day	
E-mail:	rwohlstrom@langan.com	E-mail:	4	E-mail:	4			Standard (5-7 Day)	<input checked="" type="checkbox"/>
<p>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.</p> <p>Kyle Twombly Samples Collected by: (print your name above and sign below) </p>									
Sample Identification	Sample Matrix	Matrix Codes	Samples From	Report / EDD Type (circle selections)	Analysis Requested	Container Description	YORK Reg. Comp.		
SB-40 - 11-20	Soil	S - soil / solid	New York	<input checked="" type="checkbox"/> Summary Report	VOG, metals, TOC, TPH-GRO, COD		Compared to the following Regulation(s): (please fill in)		
SB-40 - 20-23		GW - groundwater	New Jersey	<input checked="" type="checkbox"/> C/A Report	TOC, COD		Standard Excel EDD		
SB-41 - 11-20		DW - drinking water	Connecticut	NY ASP A Package	VOG, metals, TOC, TPH-GRO, COD		EQUIS (Standard)		
SB-41 - 20-23		WW - wastewater	Pennsylvania	NY ASP B Package	TOC, COD		NYSDEC EQUIS		
SB-42 - 12-15		O - Oil ; Other	Other		VOG, metals, TOC, TPH-GRO, COD		NJDEP SRP HazSite		
SB-42 - 17-20					TOC, COD		Other:		
SB-43 - 8-18					VOG, metals, TOC, TPH-GRO, COD				
DUP01-072520					VOG, metals, TOC, TPH-GRO, COD				
<p>Comments:</p> <p>HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other: ___</p>									
Samples Relinquished by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Field Filtered Lab to Filter	Special Instruction		
Kyle Twombly / Langan	7/27/20/1105								
Samples Received by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time	Temp. Received at Lab	Temp. Received at Lab		
				A. Blawie	7/10/20 1105	2.9			



Technical Report

prepared for:

Langan Engineering & Environmental Services (CT)

Long Wharf Maritime Center, 555 Long Wharf Drive

New Haven CT, 06511-6107

Attention: Ryan Wohlstrom

Report Date: 08/07/2020

Client Project ID: 140115301

York Project (SDG) No.: 20G1211



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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RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 08/07/2020
Client Project ID: 140115301
York Project (SDG) No.: 20G1211

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

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 July 31, 2020 and listed below. The project was identified as your project: **140115301**.

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>
20G1211-01	MW42_E	Soil	07/30/2020	07/31/2020
20G1211-02	MW42_BE	Soil	07/30/2020	07/31/2020
20G1211-03	MW.40+MW.41_E	Soil	07/30/2020	07/31/2020
20G1211-04	MW.40+MW.41_BE	Soil	07/30/2020	07/31/2020

General Notes for York Project (SDG) No.: 20G1211

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

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 08/07/2020





Sample Information

Client Sample ID: MW42_E

York Sample ID: 20G1211-01

<u>York Project (SDG) No.</u> 20G1211	<u>Client Project ID</u> 140115301	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 30, 2020 12:30 pm	<u>Date Received</u> 07/31/2020
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP
95-63-6	1,2,4-Trimethylbenzene	110000		ug/kg dry	2200	4500	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:04	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP
108-67-8	1,3,5-Trimethylbenzene	23000	ICV-E	ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP
123-91-1	1,4-Dioxane	ND		ug/kg dry	22000	45000	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP
78-93-3	2-Butanone	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP



Sample Information

Client Sample ID: MW42_E

York Sample ID: 20G1211-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G1211

140115301

Soil

July 30, 2020 12:30 pm

07/31/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP
67-64-1	Acetone	ND		ug/kg dry	2200	4500	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP
107-02-8	Acrolein	ND		ug/kg dry	2200	4500	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP
107-13-1	Acrylonitrile	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP
71-43-2	Benzene	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP
74-97-5	Bromochloromethane	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP
75-27-4	Bromodichloromethane	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP
75-25-2	Bromoform	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP
74-83-9	Bromomethane	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP
75-15-0	Carbon disulfide	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP
56-23-5	Carbon tetrachloride	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP
108-90-7	Chlorobenzene	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP
75-00-3	Chloroethane	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP
67-66-3	Chloroform	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP
74-87-3	Chloromethane	1300	CCV-E, ICV-E, QL-02, J, B	ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP
110-82-7	Cyclohexane	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP
124-48-1	Dibromochloromethane	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP
74-95-3	Dibromomethane	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP



Sample Information

Client Sample ID: MW42_E

York Sample ID: 20G1211-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G1211

140115301

Soil

July 30, 2020 12:30 pm

07/31/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP
100-41-4	Ethyl Benzene	7100		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP
98-82-8	Isopropylbenzene	1500	J	ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP
79-20-9	Methyl acetate	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP
108-87-2	Methylcyclohexane	13000		ug/kg dry	1100	2200	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP
75-09-2	Methylene chloride	ND		ug/kg dry	2200	4500	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP
104-51-8	n-Butylbenzene	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP
103-65-1	n-Propylbenzene	2000	J	ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP
95-47-6	o-Xylene	41000		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/03/2020 06:38	08/03/2020 17:05	TMP
179601-23-1	p- & m- Xylenes	100000		ug/kg dry	2200	4500	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/03/2020 06:38	08/03/2020 17:05	TMP
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP
135-98-8	sec-Butylbenzene	1200	J	ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP
100-42-5	Styrene	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP
108-88-3	Toluene	27000		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP
79-01-6	Trichloroethylene	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP



Sample Information

Client Sample ID: MW42_E

York Sample ID: 20G1211-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G1211

140115301

Soil

July 30, 2020 12:30 pm

07/31/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP
75-01-4	Vinyl Chloride	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP
1330-20-7	Xylenes, Total	140000		ug/kg dry	3300	6700	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/03/2020 06:38	08/03/2020 17:05	TMP
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	86.2 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	99.9 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	101 %			76-130						

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	85.9		%	0.100	1	SM 2540G Certifications: CTDOH	08/06/2020 12:52	08/06/2020 12:53	WL



Sample Information

Client Sample ID: MW42_BE

York Sample ID: 20G1211-02

<u>York Project (SDG) No.</u> 20G1211	<u>Client Project ID</u> 140115301	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 30, 2020 1:30 pm	<u>Date Received</u> 07/31/2020
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP
95-63-6	1,2,4-Trimethylbenzene	40000		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP
108-67-8	1,3,5-Trimethylbenzene	11000	ICV-E	ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP
123-91-1	1,4-Dioxane	ND		ug/kg dry	22000	44000	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP
78-93-3	2-Butanone	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP



Sample Information

Client Sample ID: MW42_BE

York Sample ID: 20G1211-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G1211

140115301

Soil

July 30, 2020 1:30 pm

07/31/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP
67-64-1	Acetone	ND		ug/kg dry	2200	4400	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP
107-02-8	Acrolein	ND		ug/kg dry	2200	4400	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP
107-13-1	Acrylonitrile	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP
71-43-2	Benzene	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP
74-97-5	Bromochloromethane	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP
75-27-4	Bromodichloromethane	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP
75-25-2	Bromoform	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP
74-83-9	Bromomethane	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP
75-15-0	Carbon disulfide	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP
56-23-5	Carbon tetrachloride	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP
108-90-7	Chlorobenzene	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP
75-00-3	Chloroethane	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP
67-66-3	Chloroform	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP
74-87-3	Chloromethane	1300	CCV-E, ICV-E, QL-02, J, B	ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP
110-82-7	Cyclohexane	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP
124-48-1	Dibromochloromethane	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP
74-95-3	Dibromomethane	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP



Sample Information

Client Sample ID: MW42_BE

York Sample ID: 20G1211-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G1211

140115301

Soil

July 30, 2020 1:30 pm

07/31/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP
100-41-4	Ethyl Benzene	1300	J	ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP
98-82-8	Isopropylbenzene	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP
79-20-9	Methyl acetate	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP
108-87-2	Methylcyclohexane	6500		ug/kg dry	1100	2200	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP
75-09-2	Methylene chloride	ND		ug/kg dry	2200	4400	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP
104-51-8	n-Butylbenzene	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP
103-65-1	n-Propylbenzene	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP
95-47-6	o-Xylene	27000		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/03/2020 06:38	08/03/2020 17:31	TMP
179601-23-1	p- & m- Xylenes	59000		ug/kg dry	2200	4400	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/03/2020 06:38	08/03/2020 17:31	TMP
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP
100-42-5	Styrene	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP
108-88-3	Toluene	17000		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP
79-01-6	Trichloroethylene	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP



Sample Information

Client Sample ID: MW42_BE

York Sample ID: 20G1211-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G1211

140115301

Soil

July 30, 2020 1:30 pm

07/31/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP
75-01-4	Vinyl Chloride	ND		ug/kg dry	1100	2200	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP
1330-20-7	Xylenes, Total	86000		ug/kg dry	3300	6600	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/03/2020 06:38	08/03/2020 17:31	TMP
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	101 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	98.7 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	99.4 %			76-130						

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	88.7		%	0.100	1	SM 2540G Certifications: CTDOH	08/06/2020 12:52	08/06/2020 12:53	WL



Sample Information

Client Sample ID: MW.40+MW.41_E

York Sample ID: 20G1211-03

<u>York Project (SDG) No.</u> 20G1211	<u>Client Project ID</u> 140115301	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 30, 2020 2:30 pm	<u>Date Received</u> 07/31/2020
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	400	800	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	400	800	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	400	800	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	400	800	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	400	800	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	400	800	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	400	800	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	400	800	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	400	800	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	400	800	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP
95-63-6	1,2,4-Trimethylbenzene	15000		ug/kg dry	400	800	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	400	800	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	400	800	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	400	800	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	400	800	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	400	800	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP
108-67-8	1,3,5-Trimethylbenzene	4800		ug/kg dry	400	800	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	400	800	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	400	800	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP
123-91-1	1,4-Dioxane	ND		ug/kg dry	8000	16000	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP
78-93-3	2-Butanone	ND		ug/kg dry	400	800	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP



Sample Information

Client Sample ID: MW.40+MW.41_E

York Sample ID: 20G1211-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G1211

140115301

Soil

July 30, 2020 2:30 pm

07/31/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/kg dry	400	800	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	400	800	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP
67-64-1	Acetone	ND		ug/kg dry	800	1600	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP
107-02-8	Acrolein	ND		ug/kg dry	800	1600	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP
107-13-1	Acrylonitrile	ND		ug/kg dry	400	800	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP
71-43-2	Benzene	ND		ug/kg dry	400	800	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP
74-97-5	Bromochloromethane	ND		ug/kg dry	400	800	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP
75-27-4	Bromodichloromethane	ND		ug/kg dry	400	800	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP
75-25-2	Bromoform	ND		ug/kg dry	400	800	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP
74-83-9	Bromomethane	ND		ug/kg dry	400	800	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP
75-15-0	Carbon disulfide	ND		ug/kg dry	400	800	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP
56-23-5	Carbon tetrachloride	ND		ug/kg dry	400	800	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP
108-90-7	Chlorobenzene	ND		ug/kg dry	400	800	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP
75-00-3	Chloroethane	ND		ug/kg dry	400	800	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP
67-66-3	Chloroform	ND		ug/kg dry	400	800	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP
74-87-3	Chloromethane	ND		ug/kg dry	400	800	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	400	800	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	400	800	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP
110-82-7	Cyclohexane	ND		ug/kg dry	400	800	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP
124-48-1	Dibromochloromethane	ND		ug/kg dry	400	800	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP
74-95-3	Dibromomethane	ND		ug/kg dry	400	800	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	400	800	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP



Sample Information

Client Sample ID: MW.40+MW.41_E

York Sample ID: 20G1211-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G1211

140115301

Soil

July 30, 2020 2:30 pm

07/31/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	3200		ug/kg dry	400	800	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	400	800	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP
98-82-8	Isopropylbenzene	600	J	ug/kg dry	400	800	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP
79-20-9	Methyl acetate	ND		ug/kg dry	400	800	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	400	800	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP
108-87-2	Methylcyclohexane	4200		ug/kg dry	400	800	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP
75-09-2	Methylene chloride	ND		ug/kg dry	800	1600	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP
104-51-8	n-Butylbenzene	1100		ug/kg dry	400	800	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP
103-65-1	n-Propylbenzene	2300		ug/kg dry	400	800	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP
95-47-6	o-Xylene	3400		ug/kg dry	400	800	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/03/2020 06:38	08/05/2020 20:30	TMP
179601-23-1	p- & m- Xylenes	12000		ug/kg dry	800	1600	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/03/2020 06:38	08/05/2020 20:30	TMP
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	400	800	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP
135-98-8	sec-Butylbenzene	ND		ug/kg dry	400	800	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP
100-42-5	Styrene	ND		ug/kg dry	400	800	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	400	800	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	400	800	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP
127-18-4	Tetrachloroethylene	ND		ug/kg dry	400	800	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP
108-88-3	Toluene	790	J	ug/kg dry	400	800	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	400	800	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	400	800	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP
79-01-6	Trichloroethylene	ND		ug/kg dry	400	800	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	400	800	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP



Sample Information

Client Sample ID: MW.40+MW.41_E

York Sample ID: 20G1211-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G1211

140115301

Soil

July 30, 2020 2:30 pm

07/31/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/kg dry	400	800	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP
1330-20-7	Xylenes, Total	15000		ug/kg dry	1200	2400	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/03/2020 06:38	08/05/2020 20:30	TMP
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	98.6 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	101 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	106 %	76-130								

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	87.0		%	0.100	1	SM 2540G Certifications: CTDOH	08/06/2020 12:52	08/06/2020 12:53	WL



Sample Information

Client Sample ID: MW.40+MW.41_BE

York Sample ID: 20G1211-04

<u>York Project (SDG) No.</u> 20G1211	<u>Client Project ID</u> 140115301	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 30, 2020 3:30 pm	<u>Date Received</u> 07/31/2020
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	210	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	210	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	210	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	210	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	210	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	210	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	210	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	210	430	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	210	430	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	210	430	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP
95-63-6	1,2,4-Trimethylbenzene	6200		ug/kg dry	210	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	210	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	210	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	210	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	210	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	210	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP
108-67-8	1,3,5-Trimethylbenzene	1900		ug/kg dry	210	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	210	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	210	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP
123-91-1	1,4-Dioxane	ND		ug/kg dry	4300	8500	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP
78-93-3	2-Butanone	ND		ug/kg dry	210	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP



Sample Information

Client Sample ID: MW.40+MW.41_BE

York Sample ID: 20G1211-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G1211

140115301

Soil

July 30, 2020 3:30 pm

07/31/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/kg dry	210	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	210	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP
67-64-1	Acetone	ND		ug/kg dry	430	850	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP
107-02-8	Acrolein	ND		ug/kg dry	430	850	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP
107-13-1	Acrylonitrile	ND		ug/kg dry	210	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP
71-43-2	Benzene	ND		ug/kg dry	210	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP
74-97-5	Bromochloromethane	ND		ug/kg dry	210	430	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP
75-27-4	Bromodichloromethane	ND		ug/kg dry	210	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP
75-25-2	Bromoform	ND		ug/kg dry	210	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP
74-83-9	Bromomethane	ND		ug/kg dry	210	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP
75-15-0	Carbon disulfide	ND		ug/kg dry	210	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP
56-23-5	Carbon tetrachloride	ND		ug/kg dry	210	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP
108-90-7	Chlorobenzene	ND		ug/kg dry	210	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP
75-00-3	Chloroethane	ND		ug/kg dry	210	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP
67-66-3	Chloroform	ND		ug/kg dry	210	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP
74-87-3	Chloromethane	ND		ug/kg dry	210	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	210	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	210	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP
110-82-7	Cyclohexane	ND		ug/kg dry	210	430	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP
124-48-1	Dibromochloromethane	ND		ug/kg dry	210	430	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP
74-95-3	Dibromomethane	ND		ug/kg dry	210	430	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	210	430	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP



Sample Information

Client Sample ID: MW.40+MW.41_BE

York Sample ID: 20G1211-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G1211

140115301

Soil

July 30, 2020 3:30 pm

07/31/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	1300		ug/kg dry	210	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	210	430	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP
98-82-8	Isopropylbenzene	260	J	ug/kg dry	210	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP
79-20-9	Methyl acetate	ND		ug/kg dry	210	430	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	300	J	ug/kg dry	210	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP
108-87-2	Methylcyclohexane	1800		ug/kg dry	210	430	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP
75-09-2	Methylene chloride	ND		ug/kg dry	430	850	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP
104-51-8	n-Butylbenzene	500		ug/kg dry	210	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP
103-65-1	n-Propylbenzene	810		ug/kg dry	210	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP
95-47-6	o-Xylene	2000		ug/kg dry	210	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/03/2020 06:38	08/05/2020 20:56	TMP
179601-23-1	p- & m- Xylenes	5300		ug/kg dry	430	850	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/03/2020 06:38	08/05/2020 20:56	TMP
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	210	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP
135-98-8	sec-Butylbenzene	ND		ug/kg dry	210	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP
100-42-5	Styrene	ND		ug/kg dry	210	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	210	430	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	210	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP
127-18-4	Tetrachloroethylene	ND		ug/kg dry	210	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP
108-88-3	Toluene	1500		ug/kg dry	210	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	210	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	210	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP
79-01-6	Trichloroethylene	ND		ug/kg dry	210	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	210	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP



Sample Information

Client Sample ID: MW.40+MW.41_BE

York Sample ID: 20G1211-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G1211

140115301

Soil

July 30, 2020 3:30 pm

07/31/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/kg dry	210	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP
1330-20-7	Xylenes, Total	7300		ug/kg dry	640	1300	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/03/2020 06:38	08/05/2020 20:56	TMP
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	97.7 %	77-125								
2037-26-5	Surrogate: SURRE: Toluene-d8	99.0 %	85-120								
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	101 %	76-130								

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	89.4		%	0.100	1	SM 2540G Certifications: CTDOH	08/06/2020 12:52	08/06/2020 12:53	WL



Analytical Batch Summary

Batch ID: BH00080 **Preparation Method:** EPA 5035A **Prepared By:** TMP

YORK Sample ID	Client Sample ID	Preparation Date
20G1211-01	MW42_E	08/03/20
20G1211-02	MW42_BE	08/03/20
BH00080-BLK1	Blank	08/03/20
BH00080-BLK2	Blank	08/03/20
BH00080-BLK3	Blank	08/03/20
BH00080-BS1	LCS	08/03/20
BH00080-BSD1	LCS Dup	08/03/20

Batch ID: BH00223 **Preparation Method:** EPA 5035A **Prepared By:** TMP

YORK Sample ID	Client Sample ID	Preparation Date
20G1211-01RE1	MW42_E	08/03/20
20G1211-03	MW.40+MW.41_E	08/03/20
20G1211-04	MW.40+MW.41_BE	08/03/20
BH00223-BLK1	Blank	08/04/20
BH00223-BLK2	Blank	08/04/20
BH00223-BS1	LCS	08/04/20
BH00223-BSD1	LCS Dup	08/04/20

Batch ID: BH00283 **Preparation Method:** % Solids Prep **Prepared By:** WL

YORK Sample ID	Client Sample ID	Preparation Date
20G1211-01	MW42_E	08/06/20
20G1211-02	MW42_BE	08/06/20
20G1211-03	MW.40+MW.41_E	08/06/20
20G1211-04	MW.40+MW.41_BE	08/06/20



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH00080 - EPA 5035A

Blank (BH00080-BLK1)

Blank

Prepared & Analyzed: 08/03/2020

1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2-Butanone	ND	5.0	"								
2-Hexanone	ND	5.0	"								
4-Methyl-2-pentanone	ND	5.0	"								
Acetone	ND	10	"								
Acrolein	ND	10	"								
Acrylonitrile	ND	5.0	"								
Benzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon disulfide	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	4.6	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Cyclohexane	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl acetate	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylcyclohexane	ND	5.0	"								
Methylene chloride	ND	10	"								



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

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

Batch BH00080 - EPA 5035A

Blank (BH00080-BLK1)		Blank										Prepared & Analyzed: 08/03/2020	
n-Butylbenzene	ND	5.0	ug/kg wet										
n-Propylbenzene	ND	5.0	"										
o-Xylene	ND	5.0	"										
p- & m- Xylenes	ND	10	"										
p-Isopropyltoluene	ND	5.0	"										
sec-Butylbenzene	ND	5.0	"										
Styrene	ND	5.0	"										
tert-Butyl alcohol (TBA)	ND	5.0	"										
tert-Butylbenzene	ND	5.0	"										
Tetrachloroethylene	ND	5.0	"										
Toluene	ND	5.0	"										
trans-1,2-Dichloroethylene	ND	5.0	"										
trans-1,3-Dichloropropylene	ND	5.0	"										
Trichloroethylene	ND	5.0	"										
Trichlorofluoromethane	ND	5.0	"										
Vinyl Chloride	ND	5.0	"										
Xylenes, Total	ND	15	"										
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	58.7		ug/L	50.0		117	77-125						
<i>Surrogate: SURR: Toluene-d8</i>	48.4		"	50.0		96.7	85-120						
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	48.9		"	50.0		97.8	76-130						

Blank (BH00080-BLK2)		Blank										Prepared & Analyzed: 08/03/2020	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet										
1,1,1-Trichloroethane	ND	5.0	"										
1,1,2,2-Tetrachloroethane	ND	5.0	"										
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"										
1,1,2-Trichloroethane	ND	5.0	"										
1,1-Dichloroethane	ND	5.0	"										
1,1-Dichloroethylene	ND	5.0	"										
1,2,3-Trichlorobenzene	ND	5.0	"										
1,2,3-Trichloropropane	ND	5.0	"										
1,2,4-Trichlorobenzene	ND	5.0	"										
1,2,4-Trimethylbenzene	ND	5.0	"										
1,2-Dibromo-3-chloropropane	ND	5.0	"										
1,2-Dibromoethane	ND	5.0	"										
1,2-Dichlorobenzene	ND	5.0	"										
1,2-Dichloroethane	ND	5.0	"										
1,2-Dichloropropane	ND	5.0	"										
1,3,5-Trimethylbenzene	ND	5.0	"										
1,3-Dichlorobenzene	ND	5.0	"										
1,4-Dichlorobenzene	ND	5.0	"										
1,4-Dioxane	ND	100	"										
2-Butanone	ND	5.0	"										
2-Hexanone	ND	5.0	"										
4-Methyl-2-pentanone	ND	5.0	"										
Acetone	5.1	10	"										
Acrolein	ND	10	"										
Acrylonitrile	ND	5.0	"										
Benzene	ND	5.0	"										
Bromochloromethane	ND	5.0	"										
Bromodichloromethane	ND	5.0	"										



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH00080 - EPA 5035A

Blank (BH00080-BLK2) Blank Prepared & Analyzed: 08/03/2020

Bromoform	ND	5.0	ug/kg wet										
Bromomethane	ND	5.0	"										
Carbon disulfide	ND	5.0	"										
Carbon tetrachloride	ND	5.0	"										
Chlorobenzene	ND	5.0	"										
Chloroethane	ND	5.0	"										
Chloroform	ND	5.0	"										
Chloromethane	ND	5.0	"										
cis-1,2-Dichloroethylene	ND	5.0	"										
cis-1,3-Dichloropropylene	ND	5.0	"										
Cyclohexane	ND	5.0	"										
Dibromochloromethane	ND	5.0	"										
Dibromomethane	ND	5.0	"										
Dichlorodifluoromethane	ND	5.0	"										
Ethyl Benzene	ND	5.0	"										
Hexachlorobutadiene	ND	5.0	"										
Isopropylbenzene	ND	5.0	"										
Methyl acetate	ND	5.0	"										
Methyl tert-butyl ether (MTBE)	ND	5.0	"										
Methylcyclohexane	ND	5.0	"										
Methylene chloride	ND	10	"										
n-Butylbenzene	ND	5.0	"										
n-Propylbenzene	ND	5.0	"										
o-Xylene	ND	5.0	"										
p- & m- Xylenes	ND	10	"										
p-Isopropyltoluene	ND	5.0	"										
sec-Butylbenzene	ND	5.0	"										
Styrene	ND	5.0	"										
tert-Butyl alcohol (TBA)	ND	5.0	"										
tert-Butylbenzene	ND	5.0	"										
Tetrachloroethylene	ND	5.0	"										
Toluene	ND	5.0	"										
trans-1,2-Dichloroethylene	ND	5.0	"										
trans-1,3-Dichloropropylene	ND	5.0	"										
Trichloroethylene	ND	5.0	"										
Trichlorofluoromethane	ND	5.0	"										
Vinyl Chloride	ND	5.0	"										
Xylenes, Total	ND	15	"										

Surrogate: SURRE: 1,2-Dichloroethane-d4	56.8		ug/L	50.0		114	77-125
Surrogate: SURRE: Toluene-d8	48.8		"	50.0		97.5	85-120
Surrogate: SURRE: p-Bromofluorobenzene	49.8		"	50.0		99.6	76-130



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH00080 - EPA 5035A

Blank (BH00080-BLK3) holding blank-20G1211

Prepared: 08/03/2020 Analyzed: 08/07/2020

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



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

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

Batch BH00080 - EPA 5035A

Blank (BH00080-BLK3) holding blank-20G1211 Prepared: 08/03/2020 Analyzed: 08/07/2020

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

<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	53.0		ug/L	50.0	106	77-125
<i>Surrogate: SURR: Toluene-d8</i>	50.3		"	50.0	101	85-120
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	51.2		"	50.0	102	76-130

LCS (BH00080-BS1) LCS Prepared & Analyzed: 08/03/2020

1,1,1,2-Tetrachloroethane	53		ug/L	50.0	106	75-129
1,1,1-Trichloroethane	62		"	50.0	124	71-137
1,1,2,2-Tetrachloroethane	48		"	50.0	95.8	79-129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	61		"	50.0	121	58-146
1,1,2-Trichloroethane	50		"	50.0	100	83-123
1,1-Dichloroethane	54		"	50.0	108	75-130
1,1-Dichloroethylene	62		"	50.0	123	64-137
1,2,3-Trichlorobenzene	50		"	50.0	99.5	81-140
1,2,3-Trichloropropane	50		"	50.0	101	81-126
1,2,4-Trichlorobenzene	50		"	50.0	99.5	80-141
1,2,4-Trimethylbenzene	50		"	50.0	100	84-125
1,2-Dibromo-3-chloropropane	55		"	50.0	111	74-142
1,2-Dibromoethane	51		"	50.0	102	86-123
1,2-Dichlorobenzene	49		"	50.0	98.6	85-122
1,2-Dichloroethane	58		"	50.0	117	71-133
1,2-Dichloropropane	50		"	50.0	99.3	81-122
1,3,5-Trimethylbenzene	58		"	50.0	117	82-126
1,3-Dichlorobenzene	48		"	50.0	95.3	84-124
1,4-Dichlorobenzene	48		"	50.0	96.8	84-124
1,4-Dioxane	970		"	1050	92.3	10-228
2-Butanone	51		"	50.0	102	58-147
2-Hexanone	51		"	50.0	102	70-139
4-Methyl-2-pentanone	43		"	50.0	86.7	72-132
Acetone	54		"	50.0	109	36-155
Acrolein	22		"	50.0	43.6	10-238
Acrylonitrile	56		"	50.0	112	66-141
Benzene	54		"	50.0	108	77-127
Bromochloromethane	52		"	50.0	104	74-129
Bromodichloromethane	54		"	50.0	109	81-124
Bromoform	57		"	50.0	114	80-136



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH00080 - EPA 5035A

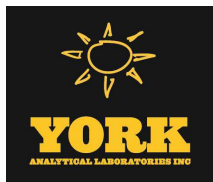
LCS (BH00080-BS1)	LCS	Prepared & Analyzed: 08/03/2020									
Bromomethane	70		ug/L	50.0		140	32-177				
Carbon disulfide	59		"	50.0		118	10-136				
Carbon tetrachloride	61		"	50.0		121	66-143				
Chlorobenzene	50		"	50.0		100	86-120				
Chloroethane	58		"	50.0		115	51-142				
Chloroform	57		"	50.0		115	76-131				
Chloromethane	95		"	50.0		190	49-132	High Bias			
cis-1,2-Dichloroethylene	55		"	50.0		111	74-132				
cis-1,3-Dichloropropylene	52		"	50.0		104	81-129				
Cyclohexane	26		"	50.0		51.4	70-130	Low Bias			
Dibromochloromethane	56		"	50.0		112	10-200				
Dibromomethane	52		"	50.0		104	83-124				
Dichlorodifluoromethane	83		"	50.0		167	28-158	High Bias			
Ethyl Benzene	53		"	50.0		106	84-125				
Hexachlorobutadiene	53		"	50.0		105	83-133				
Isopropylbenzene	49		"	50.0		97.4	81-127				
Methyl acetate	54		"	50.0		107	41-143				
Methyl tert-butyl ether (MTBE)	60		"	50.0		119	74-131				
Methylcyclohexane	56		"	50.0		112	70-130				
Methylene chloride	56		"	50.0		113	57-141				
n-Butylbenzene	53		"	50.0		106	80-130				
n-Propylbenzene	48		"	50.0		95.8	74-136				
o-Xylene	52		"	50.0		104	83-123				
p- & m- Xylenes	100		"	100		103	82-128				
p-Isopropyltoluene	50		"	50.0		101	85-125				
sec-Butylbenzene	52		"	50.0		103	83-125				
Styrene	53		"	50.0		105	86-126				
tert-Butyl alcohol (TBA)	260		"	250		103	70-130				
tert-Butylbenzene	43		"	50.0		85.3	80-127				
Tetrachloroethylene	49		"	50.0		97.1	80-129				
Toluene	50		"	50.0		99.2	85-121				
trans-1,2-Dichloroethylene	60		"	50.0		120	72-132				
trans-1,3-Dichloropropylene	53		"	50.0		107	78-132				
Trichloroethylene	54		"	50.0		108	84-123				
Trichlorofluoromethane	64		"	50.0		127	62-140				
Vinyl Chloride	63		"	50.0		126	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	55.9		"	50.0		112	77-125				
Surrogate: SURR: Toluene-d8	49.2		"	50.0		98.4	85-120				
Surrogate: SURR: p-Bromofluorobenzene	49.3		"	50.0		98.6	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH00080 - EPA 5035A											
LCS Dup (BH00080-BSD1)	LCS Dup	Prepared & Analyzed: 08/03/2020									
1,1,1,2-Tetrachloroethane	51		ug/L	50.0		102	75-129		3.76	30	
1,1,1-Trichloroethane	60		"	50.0		119	71-137		3.52	30	
1,1,2,2-Tetrachloroethane	47		"	50.0		93.1	79-129		2.79	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	60		"	50.0		120	58-146		0.663	30	
1,1,2-Trichloroethane	48		"	50.0		96.6	83-123		3.98	30	
1,1-Dichloroethane	54		"	50.0		109	75-130		0.0737	30	
1,1-Dichloroethylene	61		"	50.0		122	64-137		1.36	30	
1,2,3-Trichlorobenzene	50		"	50.0		101	81-140		1.42	30	
1,2,3-Trichloropropane	52		"	50.0		104	81-126		2.84	30	
1,2,4-Trichlorobenzene	51		"	50.0		102	80-141		2.58	30	
1,2,4-Trimethylbenzene	50		"	50.0		99.8	84-125		0.460	30	
1,2-Dibromo-3-chloropropane	55		"	50.0		110	74-142		0.308	30	
1,2-Dibromoethane	50		"	50.0		99.2	86-123		3.08	30	
1,2-Dichlorobenzene	48		"	50.0		96.5	85-122		2.21	30	
1,2-Dichloroethane	59		"	50.0		117	71-133		0.769	30	
1,2-Dichloropropane	49		"	50.0		97.4	81-122		1.93	30	
1,3,5-Trimethylbenzene	59		"	50.0		118	82-126		0.529	30	
1,3-Dichlorobenzene	48		"	50.0		96.1	84-124		0.878	30	
1,4-Dichlorobenzene	50		"	50.0		99.0	84-124		2.27	30	
1,4-Dioxane	930		"	1050		88.9	10-228		3.74	30	
2-Butanone	49		"	50.0		98.2	58-147		4.17	30	
2-Hexanone	48		"	50.0		96.2	70-139		6.15	30	
4-Methyl-2-pentanone	39		"	50.0		78.6	72-132		9.75	30	
Acetone	52		"	50.0		104	36-155		5.01	30	
Acrolein	20		"	50.0		40.0	10-238		8.57	30	
Acrylonitrile	53		"	50.0		106	66-141		5.65	30	
Benzene	53		"	50.0		105	77-127		2.30	30	
Bromochloromethane	53		"	50.0		106	74-129		1.45	30	
Bromodichloromethane	54		"	50.0		107	81-124		1.52	30	
Bromoform	55		"	50.0		109	80-136		3.70	30	
Bromomethane	72		"	50.0		145	32-177		3.13	30	
Carbon disulfide	57		"	50.0		113	10-136		4.59	30	
Carbon tetrachloride	59		"	50.0		117	66-143		3.32	30	
Chlorobenzene	48		"	50.0		96.0	86-120		4.40	30	
Chloroethane	55		"	50.0		111	51-142		3.66	30	
Chloroform	56		"	50.0		113	76-131		1.88	30	
Chloromethane	92		"	50.0		185	49-132	High Bias	2.93	30	
cis-1,2-Dichloroethylene	56		"	50.0		111	74-132		0.702	30	
cis-1,3-Dichloropropylene	50		"	50.0		100	81-129		4.00	30	
Cyclohexane	25		"	50.0		49.4	70-130	Low Bias	3.85	30	
Dibromochloromethane	53		"	50.0		106	10-200		4.98	30	
Dibromomethane	51		"	50.0		101	83-124		3.23	30	
Dichlorodifluoromethane	82		"	50.0		164	28-158	High Bias	1.63	30	
Ethyl Benzene	50		"	50.0		99.6	84-125		6.23	30	
Hexachlorobutadiene	52		"	50.0		103	83-133		1.98	30	
Isopropylbenzene	47		"	50.0		94.3	81-127		3.19	30	
Methyl acetate	52		"	50.0		103	41-143		3.67	30	
Methyl tert-butyl ether (MTBE)	59		"	50.0		118	74-131		0.792	30	
Methylcyclohexane	54		"	50.0		108	70-130		4.09	30	
Methylene chloride	56		"	50.0		112	57-141		0.427	30	
n-Butylbenzene	51		"	50.0		101	80-130		4.27	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	Flag
		Limit			Result					RPD	
Batch BH00080 - EPA 5035A											
LCS Dup (BH00080-BSD1)	LCS Dup	Prepared & Analyzed: 08/03/2020									
n-Propylbenzene	47		ug/L	50.0		94.6	74-136			1.28	30
o-Xylene	50		"	50.0		99.4	83-123			4.68	30
p- & m- Xylenes	98		"	100		98.4	82-128			4.93	30
p-Isopropyltoluene	49		"	50.0		98.8	85-125			1.98	30
sec-Butylbenzene	51		"	50.0		101	83-125			1.57	30
Styrene	50		"	50.0		100	86-126			4.48	30
tert-Butyl alcohol (TBA)	260		"	250		104	70-130			0.767	30
tert-Butylbenzene	42		"	50.0		85.0	80-127			0.329	30
Tetrachloroethylene	47		"	50.0		93.0	80-129			4.27	30
Toluene	48		"	50.0		95.1	85-121			4.22	30
trans-1,2-Dichloroethylene	58		"	50.0		115	72-132			3.62	30
trans-1,3-Dichloropropylene	52		"	50.0		103	78-132			3.33	30
Trichloroethylene	50		"	50.0		101	84-123			7.24	30
Trichlorofluoromethane	62		"	50.0		125	62-140			2.03	30
Vinyl Chloride	61		"	50.0		122	52-130			2.79	30
Surrogate: SURR: 1,2-Dichloroethane-d4	56.3		"	50.0		113	77-125				
Surrogate: SURR: Toluene-d8	49.2		"	50.0		98.5	85-120				
Surrogate: SURR: p-Bromofluorobenzene	49.9		"	50.0		99.7	76-130				

Batch BH00223 - EPA 5035A

Blank (BH00223-BLK1)	Blank	Prepared: 08/04/2020 Analyzed: 08/05/2020									
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2-Butanone	ND	5.0	"								
2-Hexanone	ND	5.0	"								
4-Methyl-2-pentanone	ND	5.0	"								
Acetone	ND	10	"								
Acrolein	ND	10	"								
Acrylonitrile	ND	5.0	"								
Benzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								



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

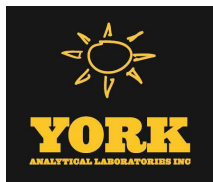
Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	Flag
		Limit								Level	

Batch BH00223 - EPA 5035A

Blank (BH00223-BLK1) Blank Prepared: 08/04/2020 Analyzed: 08/05/2020

Bromoform	ND	5.0	ug/kg wet								
Bromomethane	ND	5.0	"								
Carbon disulfide	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Cyclohexane	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl acetate	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylcyclohexane	ND	5.0	"								
Methylene chloride	ND	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butyl alcohol (TBA)	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								

Surrogate: SURRE: 1,2-Dichloroethane-d4	49.8	ug/L	50.0	99.6	77-125
Surrogate: SURRE: Toluene-d8	49.9	"	50.0	99.8	85-120
Surrogate: SURRE: p-Bromofluorobenzene	53.7	"	50.0	107	76-130



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH00223 - EPA 5035A

Blank (BH00223-BLK2) MEOH BLANK

Prepared: 08/04/2020 Analyzed: 08/05/2020

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



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

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

Batch BH00223 - EPA 5035A

Blank (BH00223-BLK2)		MEOH BLANK		Prepared: 08/04/2020 Analyzed: 08/05/2020										
n-Propylbenzene	ND	5.0	ug/kg wet											
o-Xylene	ND	5.0	"											
p- & m- Xylenes	ND	10	"											
p-Isopropyltoluene	ND	5.0	"											
sec-Butylbenzene	ND	5.0	"											
Styrene	ND	5.0	"											
tert-Butyl alcohol (TBA)	ND	5.0	"											
tert-Butylbenzene	ND	5.0	"											
Tetrachloroethylene	ND	5.0	"											
Toluene	ND	5.0	"											
trans-1,2-Dichloroethylene	ND	5.0	"											
trans-1,3-Dichloropropylene	ND	5.0	"											
Trichloroethylene	ND	5.0	"											
Trichlorofluoromethane	ND	5.0	"											
Vinyl Chloride	ND	5.0	"											
Xylenes, Total	ND	15	"											
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>				49.9	ug/L	50.0	99.8	77-125						
<i>Surrogate: SURR: Toluene-d8</i>				50.5	"	50.0	101	85-120						
<i>Surrogate: SURR: p-Bromofluorobenzene</i>				53.9	"	50.0	108	76-130						

LCS (BH00223-BS1)		LCS		Prepared: 08/04/2020 Analyzed: 08/05/2020										
1,1,1,2-Tetrachloroethane	37	ug/L	50.0	74.4	75-129	Low Bias								
1,1,1-Trichloroethane	49	"	50.0	98.2	71-137									
1,1,2,2-Tetrachloroethane	50	"	50.0	99.4	79-129									
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	46	"	50.0	91.9	58-146									
1,1,2-Trichloroethane	46	"	50.0	91.5	83-123									
1,1-Dichloroethane	45	"	50.0	90.8	75-130									
1,1-Dichloroethylene	48	"	50.0	96.4	64-137									
1,2,3-Trichlorobenzene	51	"	50.0	102	81-140									
1,2,3-Trichloropropane	49	"	50.0	98.2	81-126									
1,2,4-Trichlorobenzene	50	"	50.0	101	80-141									
1,2,4-Trimethylbenzene	46	"	50.0	92.0	84-125									
1,2-Dibromo-3-chloropropane	52	"	50.0	104	74-142									
1,2-Dibromoethane	48	"	50.0	95.6	86-123									
1,2-Dichlorobenzene	47	"	50.0	94.8	85-122									
1,2-Dichloroethane	48	"	50.0	95.3	71-133									
1,2-Dichloropropane	46	"	50.0	91.8	81-122									
1,3,5-Trimethylbenzene	48	"	50.0	95.1	82-126									
1,3-Dichlorobenzene	46	"	50.0	92.5	84-124									
1,4-Dichlorobenzene	47	"	50.0	93.6	84-124									
1,4-Dioxane	1100	"	1050	105	10-228									
2-Butanone	45	"	50.0	90.7	58-147									
2-Hexanone	50	"	50.0	99.7	70-139									
4-Methyl-2-pentanone	51	"	50.0	102	72-132									
Acetone	33	"	50.0	66.4	36-155									
Acrolein	38	"	50.0	76.9	10-238									
Acrylonitrile	51	"	50.0	102	66-141									
Benzene	47	"	50.0	94.4	77-127									
Bromochloromethane	47	"	50.0	94.3	74-129									
Bromodichloromethane	49	"	50.0	98.0	81-124									
Bromoform	39	"	50.0	78.0	80-136	Low Bias								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH00223 - EPA 5035A

LCS (BH00223-BS1)	LCS	Prepared: 08/04/2020 Analyzed: 08/05/2020									
Bromomethane	56		ug/L	50.0		112		32-177			
Carbon disulfide	51		"	50.0		103		10-136			
Carbon tetrachloride	49		"	50.0		98.3		66-143			
Chlorobenzene	47		"	50.0		94.5		86-120			
Chloroethane	48		"	50.0		95.1		51-142			
Chloroform	48		"	50.0		95.4		76-131			
Chloromethane	56		"	50.0		112		49-132			
cis-1,2-Dichloroethylene	47		"	50.0		93.5		74-132			
cis-1,3-Dichloropropylene	48		"	50.0		96.8		81-129			
Cyclohexane	49		"	50.0		99.0		70-130			
Dibromochloromethane	51		"	50.0		103		10-200			
Dibromomethane	47		"	50.0		93.4		83-124			
Dichlorodifluoromethane	47		"	50.0		93.5		28-158			
Ethyl Benzene	47		"	50.0		94.0		84-125			
Hexachlorobutadiene	50		"	50.0		99.1		83-133			
Isopropylbenzene	46		"	50.0		92.1		81-127			
Methyl acetate	46		"	50.0		91.1		41-143			
Methyl tert-butyl ether (MTBE)	50		"	50.0		100		74-131			
Methylcyclohexane	50		"	50.0		101		70-130			
Methylene chloride	49		"	50.0		97.9		57-141			
n-Butylbenzene	46		"	50.0		91.7		80-130			
n-Propylbenzene	47		"	50.0		93.9		74-136			
o-Xylene	46		"	50.0		92.0		83-123			
p- & m- Xylenes	94		"	100		94.1		82-128			
p-Isopropyltoluene	48		"	50.0		96.2		85-125			
sec-Butylbenzene	50		"	50.0		99.3		83-125			
Styrene	47		"	50.0		94.4		86-126			
tert-Butyl alcohol (TBA)	260		"	250		105		70-130			
tert-Butylbenzene	46		"	50.0		92.5		80-127			
Tetrachloroethylene	43		"	50.0		86.7		80-129			
Toluene	47		"	50.0		93.9		85-121			
trans-1,2-Dichloroethylene	49		"	50.0		98.1		72-132			
trans-1,3-Dichloropropylene	48		"	50.0		96.6		78-132			
Trichloroethylene	49		"	50.0		97.3		84-123			
Trichlorofluoromethane	46		"	50.0		92.7		62-140			
Vinyl Chloride	52		"	50.0		104		52-130			
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>50.1</i>		<i>"</i>	<i>50.0</i>		<i>100</i>		<i>77-125</i>			
<i>Surrogate: SURR: Toluene-d8</i>	<i>49.9</i>		<i>"</i>	<i>50.0</i>		<i>99.8</i>		<i>85-120</i>			
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>51.1</i>		<i>"</i>	<i>50.0</i>		<i>102</i>		<i>76-130</i>			



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting		Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD		
		Limit	Units						RPD	Limit	Flag
Batch BH00223 - EPA 5035A											
LCS Dup (BH00223-BSD1)	LCS Dup										Prepared: 08/04/2020 Analyzed: 08/05/2020
1,1,1,2-Tetrachloroethane	40		ug/L	50.0		79.9	75-129		7.08	30	
1,1,1-Trichloroethane	53		"	50.0		105	71-137		6.71	30	
1,1,2,2-Tetrachloroethane	51		"	50.0		102	79-129		2.09	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	56		"	50.0		112	58-146		19.9	30	
1,1,2-Trichloroethane	49		"	50.0		97.4	83-123		6.20	30	
1,1-Dichloroethane	50		"	50.0		99.7	75-130		9.35	30	
1,1-Dichloroethylene	53		"	50.0		107	64-137		9.99	30	
1,2,3-Trichlorobenzene	46		"	50.0		92.9	81-140		9.04	30	
1,2,3-Trichloropropane	49		"	50.0		98.5	81-126		0.305	30	
1,2,4-Trichlorobenzene	41		"	50.0		81.4	80-141		21.4	30	
1,2,4-Trimethylbenzene	44		"	50.0		88.6	84-125		3.76	30	
1,2-Dibromo-3-chloropropane	54		"	50.0		109	74-142		3.92	30	
1,2-Dibromoethane	50		"	50.0		99.4	86-123		3.94	30	
1,2-Dichlorobenzene	46		"	50.0		91.8	85-122		3.22	30	
1,2-Dichloroethane	51		"	50.0		102	71-133		6.36	30	
1,2-Dichloropropane	49		"	50.0		98.0	81-122		6.54	30	
1,3,5-Trimethylbenzene	47		"	50.0		94.4	82-126		0.781	30	
1,3-Dichlorobenzene	44		"	50.0		87.4	84-124		5.74	30	
1,4-Dichlorobenzene	43		"	50.0		86.4	84-124		7.91	30	
1,4-Dioxane	1200		"	1050		117	10-228		10.6	30	
2-Butanone	48		"	50.0		95.4	58-147		5.14	30	
2-Hexanone	51		"	50.0		102	70-139		2.20	30	
4-Methyl-2-pentanone	52		"	50.0		105	72-132		2.96	30	
Acetone	37		"	50.0		73.3	36-155		9.96	30	
Acrolein	30		"	50.0		59.6	10-238		25.4	30	
Acrylonitrile	52		"	50.0		104	66-141		2.23	30	
Benzene	51		"	50.0		101	77-127		6.85	30	
Bromochloromethane	51		"	50.0		101	74-129		7.38	30	
Bromodichloromethane	52		"	50.0		104	81-124		6.40	30	
Bromoform	41		"	50.0		81.3	80-136		4.14	30	
Bromomethane	57		"	50.0		115	32-177		2.42	30	
Carbon disulfide	56		"	50.0		112	10-136		8.46	30	
Carbon tetrachloride	52		"	50.0		104	66-143		5.31	30	
Chlorobenzene	48		"	50.0		95.5	86-120		1.07	30	
Chloroethane	53		"	50.0		106	51-142		11.3	30	
Chloroform	51		"	50.0		102	76-131		6.90	30	
Chloromethane	66		"	50.0		131	49-132		15.6	30	
cis-1,2-Dichloroethylene	50		"	50.0		100	74-132		6.74	30	
cis-1,3-Dichloropropylene	49		"	50.0		98.3	81-129		1.58	30	
Cyclohexane	53		"	50.0		106	70-130		6.83	30	
Dibromochloromethane	53		"	50.0		107	10-200		3.89	30	
Dibromomethane	50		"	50.0		100	83-124		7.14	30	
Dichlorodifluoromethane	60		"	50.0		120	28-158		25.3	30	
Ethyl Benzene	48		"	50.0		95.6	84-125		1.71	30	
Hexachlorobutadiene	48		"	50.0		95.3	83-133		3.95	30	
Isopropylbenzene	47		"	50.0		93.7	81-127		1.64	30	
Methyl acetate	48		"	50.0		95.0	41-143		4.15	30	
Methyl tert-butyl ether (MTBE)	54		"	50.0		107	74-131		6.65	30	
Methylcyclohexane	53		"	50.0		107	70-130		5.58	30	
Methylene chloride	53		"	50.0		107	57-141		8.41	30	
n-Butylbenzene	43		"	50.0		85.5	80-130		7.06	30	



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

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

Batch BH00223 - EPA 5035A

LCS Dup (BH00223-BSD1)	LCS Dup	Prepared: 08/04/2020 Analyzed: 08/05/2020									
n-Propylbenzene	45		ug/L	50.0		90.7	74-136			3.42	30
o-Xylene	47		"	50.0		94.4	83-123			2.55	30
p- & m- Xylenes	95		"	100		94.7	82-128			0.593	30
p-Isopropyltoluene	46		"	50.0		91.3	85-125			5.20	30
sec-Butylbenzene	50		"	50.0		99.9	83-125			0.602	30
Styrene	48		"	50.0		96.5	86-126			2.22	30
tert-Butyl alcohol (TBA)	270		"	250		110	70-130			4.76	30
tert-Butylbenzene	48		"	50.0		95.4	80-127			3.02	30
Tetrachloroethylene	43		"	50.0		86.4	80-129			0.324	30
Toluene	48		"	50.0		97.0	85-121			3.21	30
trans-1,2-Dichloroethylene	53		"	50.0		106	72-132			8.15	30
trans-1,3-Dichloropropylene	49		"	50.0		97.5	78-132			0.866	30
Trichloroethylene	51		"	50.0		102	84-123			4.66	30
Trichlorofluoromethane	51		"	50.0		102	62-140			9.73	30
Vinyl Chloride	59		"	50.0		118	52-130			12.8	30
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>		<i>50.5</i>	<i>"</i>	<i>50.0</i>		<i>101</i>	<i>77-125</i>				
<i>Surrogate: SURR: Toluene-d8</i>		<i>50.4</i>	<i>"</i>	<i>50.0</i>		<i>101</i>	<i>85-120</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>		<i>50.8</i>	<i>"</i>	<i>50.0</i>		<i>102</i>	<i>76-130</i>				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
20G1211-01	MW42_E	40mL Vial with Stir Bar-Cool 4° C
20G1211-02	MW42_BE	40mL Vial with Stir Bar-Cool 4° C
20G1211-03	MW.40+MW.41_E	40mL Vial with Stir Bar-Cool 4° C
20G1211-04	MW.40+MW.41_BE	40mL Vial with Stir Bar-Cool 4° C



Sample and Data Qualifiers Relating to This Work Order

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
ICV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

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

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

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

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



Certification for pH is no longer offered by NYDOH ELAP.

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

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



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 Stratford, CT 06615
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 www.yorklab.com

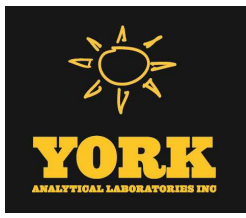
Field Chain-of-Custody Record

YORK Project No.
 206121

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: <u>Langan</u>	Company: <u>Langan</u>	Company: <u>Langan</u>	Company: <u>Langan</u>	Company: <u>Langan</u>	Company: <u>Langan</u>	140115301	RUSH - Next Day	RUSH - Next Day			
Address: <u>989 Kenox Dr Lawrenceville, NJ</u>	Address: <u>sand</u>	Address: <u>See notes below</u>	Address: <u>See notes below</u>	Address: <u>See notes below</u>	Address: <u>See notes below</u>		RUSH - Two Day	RUSH - Two Day			
Phone: <u>609.888.8014</u>	Phone: <u>←</u>	Phone: <u>←</u>	Phone: <u>←</u>	Phone: <u>←</u>	Phone: <u>←</u>		RUSH - Three Day	RUSH - Three Day			
Contact: <u>Amita Oka</u>	Contact: <u>←</u>	Contact: <u>←</u>	Contact: <u>←</u>	Contact: <u>←</u>	Contact: <u>←</u>		RUSH - Four Day	RUSH - Four Day			
E-mail: <u>ao.oka@langan.com</u>	E-mail: <u>←</u>	E-mail: <u>←</u>	E-mail: <u>←</u>	E-mail: <u>←</u>	E-mail: <u>←</u>		Standard (5-7 Day)	Standard (5-7 Day)	<input checked="" type="checkbox"/>		
<p>YOUR Project Name <u>714 East 941 Street Bronx, NY</u></p>											
<p>YOUR PO#:</p>											
<p>Matrix Codes</p> <p>S - soil / solid GW - groundwater DW - drinking water WW - wastewater O - Oil ; Other</p>		<p>Matrix Codes</p> <p>S - soil / solid GW - groundwater DW - drinking water WW - wastewater O - Oil ; Other</p>		<p>Samples From</p> <p><input checked="" type="checkbox"/> New York <input type="checkbox"/> New Jersey <input type="checkbox"/> Connecticut <input type="checkbox"/> Pennsylvania <input type="checkbox"/> Other</p>		<p>Report / EDD Type (circle selections)</p> <p>Summary Report <input type="checkbox"/> CT RCP <input type="checkbox"/> Standard Excel EDD QA Report <input type="checkbox"/> CT RCP DQA/DUE <input type="checkbox"/> EQUIS (Standard) NY ASP A Package <input type="checkbox"/> NJDEP Reduced Deliverables <input type="checkbox"/> NYSDEC EQUIS NY ASP B Package <input type="checkbox"/> NJDEP SRP HazSite <input type="checkbox"/> Other: <input type="checkbox"/></p>		<p>YORK Reg. Comp.</p> <p>Compared to the following Regulation(s): (please fill in)</p>		<p>Container Description</p>	
<p>Sample Identification</p> <p>MN.42-E MN.49-BE MN.40+MW.41-E MN.40+MW.41-BE</p>		<p>Sample Matrix</p> <p>S S S S</p>		<p>Date/Time Sampled</p> <p>7/30/20-12:30 PM 7/30/20-1:30 PM 7/30/20-2:30 PM 7/30/20-3:30 PM</p>		<p>Analysis Requested</p> <p>VOCs VOCs VOCs VOCs</p>		<p>Analysis Requested</p>		<p>Container Description</p> <p>4 4 4 4</p>	
<p>Comments: This is an existing project. Please send reports to me and existing contacts (R. Wohlstrom). Also use existing invoice info and report format.</p>											
<p>Samples Relinquished by / Company</p> <p>Amita Oka/Langan. 7/31/20</p>		<p>Samples Received by / Company</p> <p>[Signature]</p>		<p>Date/Time</p> <p>7/31/20</p>		<p>Samples Relinquished by / Company</p> <p>[Signature]</p>		<p>Date/Time</p> <p>7/31/20</p>		<p>Special Instruction</p> <p>Field Filtered Lab to Filter</p>	
<p>Samples Relinquished by / Company</p> <p>[Signature]</p>		<p>Samples Received by / Company</p> <p>[Signature]</p>		<p>Date/Time</p> <p>7/31/20</p>		<p>Samples Relinquished by / Company</p> <p>[Signature]</p>		<p>Date/Time</p> <p>7/31/20</p>		<p>Temp. Received at Lab</p> <p>3.5 C</p>	



Technical Report

prepared for:

Langan Engineering & Environmental Services (CT)

Long Wharf Maritime Center, 555 Long Wharf Drive

New Haven CT, 06511-6107

Attention: Ryan Wohlstrom

Report Date: 08/12/2020

Client Project ID: 140115301

York Project (SDG) No.: 20H0086



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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RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 08/12/2020
Client Project ID: 140115301
York Project (SDG) No.: 20H0086

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

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on August 04, 2020 and listed below. The project was identified as your project: **140115301**.

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>
20H0086-01	MW-40_080420	Water	08/04/2020	08/04/2020
20H0086-02	MW-41_080420	Water	08/04/2020	08/04/2020
20H0086-03	MW-42_080420	Water	08/04/2020	08/04/2020
20H0086-04	FB01_080420	Water	08/04/2020	08/04/2020
20H0086-05	Trip Blank	Water	08/04/2020	08/04/2020

General Notes for York Project (SDG) No.: 20H0086

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

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 08/12/2020





Sample Information

Client Sample ID: MW-40_080420

York Sample ID: 20H0086-01

York Project (SDG) No.
20H0086

Client Project ID
140115301

Matrix
Water

Collection Date/Time
August 4, 2020 8:30 am

Date Received
08/04/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP
75-34-3	1,1-Dichloroethane	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	20	50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	20	50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	20	50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP
95-63-6	1,2,4-Trimethylbenzene	2100		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP
106-93-4	1,2-Dibromoethane	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP
107-06-2	1,2-Dichloroethane	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP
78-87-5	1,2-Dichloropropane	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP
108-67-8	1,3,5-Trimethylbenzene	550		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP
123-91-1	1,4-Dioxane	ND		ug/L	4000	8000	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP
78-93-3	2-Butanone	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP



Sample Information

Client Sample ID: MW-40_080420

York Sample ID: 20H0086-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20H0086

140115301

Water

August 4, 2020 8:30 am

08/04/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP
108-10-1	4-Methyl-2-pentanone	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP
67-64-1	Acetone	170	J	ug/L	100	200	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP
107-02-8	Acrolein	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP
107-13-1	Acrylonitrile	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP
71-43-2	Benzene	5900		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP
74-97-5	Bromochloromethane	ND		ug/L	20	50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP
75-27-4	Bromodichloromethane	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP
75-25-2	Bromoform	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP
74-83-9	Bromomethane	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP
75-15-0	Carbon disulfide	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP
56-23-5	Carbon tetrachloride	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP
108-90-7	Chlorobenzene	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP
75-00-3	Chloroethane	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP
67-66-3	Chloroform	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP
74-87-3	Chloromethane	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP
110-82-7	Cyclohexane	320		ug/L	20	50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP
124-48-1	Dibromochloromethane	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP
74-95-3	Dibromomethane	ND		ug/L	20	50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/L	20	50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP



Sample Information

Client Sample ID: MW-40_080420

York Sample ID: 20H0086-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20H0086

140115301

Water

August 4, 2020 8:30 am

08/04/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	2800		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP
87-68-3	Hexachlorobutadiene	ND		ug/L	20	50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP
98-82-8	Isopropylbenzene	120		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP
79-20-9	Methyl acetate	ND		ug/L	20	50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	4800		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP
108-87-2	Methylcyclohexane	160	CCV-E, QL-02	ug/L	20	50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP
75-09-2	Methylene chloride	ND		ug/L	100	200	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP
104-51-8	n-Butylbenzene	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP
103-65-1	n-Propylbenzene	250		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP
95-47-6	o-Xylene	4300		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/10/2020 06:06	08/11/2020 16:43	TMP
179601-23-1	p- & m- Xylenes	9200		ug/L	50	100	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/10/2020 06:06	08/11/2020 16:43	TMP
99-87-6	p-Isopropyltoluene	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP
135-98-8	sec-Butylbenzene	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP
100-42-5	Styrene	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	50	100	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP
127-18-4	Tetrachloroethylene	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP
108-88-3	Toluene	17000		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/12/2020 14:07	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP
79-01-6	Trichloroethylene	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP
75-69-4	Trichlorofluoromethane	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP



Sample Information

Client Sample ID: MW-40_080420

York Sample ID: 20H0086-01

<u>York Project (SDG) No.</u> 20H0086	<u>Client Project ID</u> 140115301	<u>Matrix</u> Water	<u>Collection Date/Time</u> August 4, 2020 8:30 am	<u>Date Received</u> 08/04/2020
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP
1330-20-7	Xylenes, Total	13000		ug/L	60	150	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/10/2020 06:06	08/11/2020 16:43	TMP
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	93.4 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	94.8 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	108 %			79-122						

Total Petroleum Hydrocarbons-GRO (C5-C10)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	Total Petroleum Hydrocarbons-GRO	18.6		mg/L	0.800	1	EPA 8015D Certifications: NELAC-NY10854,NJDEP,PADEP	08/10/2020 15:13	08/10/2020 18:21	SS	
Surrogate Recoveries		Result			Acceptance Range						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	165 %	S-08		70-130						

Iron by EPA 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	* Iron	18300		ug/L	1110	100	EPA 6020B Certifications: CTDOH	08/06/2020 12:57	08/11/2020 12:36	BML

Iron, Dissolved by EPA 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	* Iron	18.8		ug/L	11.1	1	EPA 6020B Certifications: CTDOH	08/04/2020 19:17	08/06/2020 12:41	BML

Manganese by EPA 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	Manganese	2320		ug/L	111	100	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2020 12:57	08/11/2020 12:36	BML

Manganese, Dissolved by EPA 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

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

Client Sample ID: MW-40_080420

York Sample ID: 20H0086-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20H0086

140115301

Water

August 4, 2020 8:30 am

08/04/2020

Manganese, Dissolved by EPA 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	Manganese	1750		ug/L	1.11	1	EPA 6020B	08/04/2020 19:17	08/06/2020 12:41	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	690		mg/L	2.0	1	SM 2320B	08/11/2020 10:20	08/11/2020 13:15	JAG
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Chemical Oxygen Demand (COD)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Chemical Oxygen Demand (COD)	230		mg/L	10	1	SM 5220 D	08/10/2020 09:03	08/10/2020 13:26	JAG
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Total Organic Carbon

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	26.6		mg/L	1.00	1	SM 5310C	08/05/2020 08:17	08/06/2020 15:50	AD
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		



Sample Information

Client Sample ID: MW-41_080420

York Sample ID: 20H0086-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20H0086

140115301

Water

August 4, 2020 10:30 am

08/04/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 20:57	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 20:57	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 20:57	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 20:57	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 20:57	TMP
75-34-3	1,1-Dichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 20:57	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 20:57	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 20:57	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 20:57	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 20:57	TMP
95-63-6	1,2,4-Trimethylbenzene	970		ug/L	5.0	12	25	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:08	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 20:57	TMP
106-93-4	1,2-Dibromoethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 20:57	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 20:57	TMP
107-06-2	1,2-Dichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 20:57	TMP
78-87-5	1,2-Dichloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 20:57	TMP
108-67-8	1,3,5-Trimethylbenzene	330		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 20:57	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 20:57	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 20:57	TMP
123-91-1	1,4-Dioxane	ND		ug/L	200	400	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 20:57	TMP
78-93-3	2-Butanone	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 20:57	TMP



Sample Information

Client Sample ID: MW-41_080420

York Sample ID: 20H0086-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20H0086

140115301

Water

August 4, 2020 10:30 am

08/04/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 20:57	TMP
108-10-1	4-Methyl-2-pentanone	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 20:57	TMP
67-64-1	Acetone	56		ug/L	5.0	10	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 20:57	TMP
107-02-8	Acrolein	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 20:57	TMP
107-13-1	Acrylonitrile	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 20:57	TMP
71-43-2	Benzene	420		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 20:57	TMP
74-97-5	Bromochloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 20:57	TMP
75-27-4	Bromodichloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 20:57	TMP
75-25-2	Bromoform	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 20:57	TMP
74-83-9	Bromomethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 20:57	TMP
75-15-0	Carbon disulfide	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 20:57	TMP
56-23-5	Carbon tetrachloride	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 20:57	TMP
108-90-7	Chlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 20:57	TMP
75-00-3	Chloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 20:57	TMP
67-66-3	Chloroform	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 20:57	TMP
74-87-3	Chloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 20:57	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 20:57	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 20:57	TMP
110-82-7	Cyclohexane	180		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 20:57	TMP
124-48-1	Dibromochloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 20:57	TMP
74-95-3	Dibromomethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 20:57	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 20:57	TMP



Sample Information

Client Sample ID: MW-41_080420

York Sample ID: 20H0086-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20H0086

140115301

Water

August 4, 2020 10:30 am

08/04/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	780		ug/L	5.0	12	25	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:08	TMP
87-68-3	Hexachlorobutadiene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 20:57	TMP
98-82-8	Isopropylbenzene	44		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 20:57	TMP
79-20-9	Methyl acetate	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 20:57	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	1000		ug/L	5.0	12	25	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:08	TMP
108-87-2	Methylcyclohexane	110	CCV-E, QL-02	ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 20:57	TMP
75-09-2	Methylene chloride	ND		ug/L	5.0	10	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 20:57	TMP
104-51-8	n-Butylbenzene	6.2	CCV-E	ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 20:57	TMP
103-65-1	n-Propylbenzene	120		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 20:57	TMP
95-47-6	o-Xylene	1600		ug/L	5.0	12	25	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/10/2020 06:06	08/11/2020 17:08	TMP
179601-23-1	p- & m- Xylenes	2900		ug/L	12	25	25	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/10/2020 06:06	08/11/2020 17:08	TMP
99-87-6	p-Isopropyltoluene	3.4		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 20:57	TMP
135-98-8	sec-Butylbenzene	5.8		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 20:57	TMP
100-42-5	Styrene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 20:57	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	2.5	5.0	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 20:57	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 20:57	TMP
127-18-4	Tetrachloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 20:57	TMP
108-88-3	Toluene	1300	B	ug/L	5.0	12	25	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:08	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 20:57	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 20:57	TMP
79-01-6	Trichloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 20:57	TMP
75-69-4	Trichlorofluoromethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 20:57	TMP



Sample Information

Client Sample ID: MW-41_080420

York Sample ID: 20H0086-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20H0086

140115301

Water

August 4, 2020 10:30 am

08/04/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 20:57	TMP
1330-20-7	Xylenes, Total	4500		ug/L	15	38	25	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/10/2020 06:06	08/11/2020 17:08	TMP
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	73.2 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	99.7 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	108 %			79-122						

Total Petroleum Hydrocarbons-GRO (C5-C10)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Petroleum Hydrocarbons-GRO	2.43		mg/L	0.800	1	EPA 8015D Certifications: NELAC-NY10854,NJDEP,PADEP	08/10/2020 15:13	08/10/2020 18:58	SS
Surrogate Recoveries		Result			Acceptance Range					
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	138 %	S-08		70-130					

Iron by EPA 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	* Iron	2740		ug/L	11.1	1	EPA 6020B Certifications: CTDOH	08/06/2020 12:57	08/06/2020 14:23	BML

Iron, Dissolved by EPA 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	* Iron	280		ug/L	11.1	1	EPA 6020B Certifications: CTDOH	08/04/2020 19:17	08/06/2020 12:44	BML

Manganese by EPA 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	Manganese	180		ug/L	111	100	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2020 12:57	08/11/2020 12:39	BML

Manganese, Dissolved by EPA 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

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



Sample Information

Client Sample ID: MW-41_080420

York Sample ID: 20H0086-02

York Project (SDG) No.

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Matrix

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20H0086

140115301

Water

August 4, 2020 10:30 am

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Manganese, Dissolved by EPA 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	Manganese	164		ug/L	1.11	1	EPA 6020B	08/04/2020 19:17	08/06/2020 12:44	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	490		mg/L	2.0	1	SM 2320B	08/11/2020 10:20	08/11/2020 13:15	JAG
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Chemical Oxygen Demand (COD)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Chemical Oxygen Demand (COD)	440		mg/L	10	1	SM 5220 D	08/10/2020 09:03	08/10/2020 13:26	JAG
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Total Organic Carbon

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	151		mg/L	10.0	10	SM 5310C	08/05/2020 08:17	08/06/2020 15:50	AD
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		



Sample Information

Client Sample ID: MW-42_080420

York Sample ID: 20H0086-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20H0086

140115301

Water

August 4, 2020 3:30 pm

08/04/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP
75-34-3	1,1-Dichloroethane	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	20	50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	20	50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	20	50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP
95-63-6	1,2,4-Trimethylbenzene	2700		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP
106-93-4	1,2-Dibromoethane	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP
107-06-2	1,2-Dichloroethane	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP
78-87-5	1,2-Dichloropropane	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP
108-67-8	1,3,5-Trimethylbenzene	700		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP
123-91-1	1,4-Dioxane	ND		ug/L	4000	8000	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP
78-93-3	2-Butanone	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP



Sample Information

Client Sample ID: MW-42_080420

York Sample ID: 20H0086-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20H0086

140115301

Water

August 4, 2020 3:30 pm

08/04/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP
108-10-1	4-Methyl-2-pentanone	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP
67-64-1	Acetone	ND		ug/L	100	200	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP
107-02-8	Acrolein	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP
107-13-1	Acrylonitrile	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP
71-43-2	Benzene	8000		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP
74-97-5	Bromochloromethane	ND		ug/L	20	50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP
75-27-4	Bromodichloromethane	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP
75-25-2	Bromoform	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP
74-83-9	Bromomethane	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP
75-15-0	Carbon disulfide	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP
56-23-5	Carbon tetrachloride	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP
108-90-7	Chlorobenzene	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP
75-00-3	Chloroethane	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP
67-66-3	Chloroform	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP
74-87-3	Chloromethane	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP
110-82-7	Cyclohexane	460		ug/L	20	50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP
124-48-1	Dibromochloromethane	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP
74-95-3	Dibromomethane	ND		ug/L	20	50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/L	20	50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP



Sample Information

Client Sample ID: MW-42_080420

York Sample ID: 20H0086-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20H0086

140115301

Water

August 4, 2020 3:30 pm

08/04/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	3800		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP
87-68-3	Hexachlorobutadiene	ND		ug/L	20	50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP
98-82-8	Isopropylbenzene	150		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP
79-20-9	Methyl acetate	ND		ug/L	20	50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	1800		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP
108-87-2	Methylcyclohexane	250	CCV-E, QL-02	ug/L	20	50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP
75-09-2	Methylene chloride	ND		ug/L	100	200	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP
104-51-8	n-Butylbenzene	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP
103-65-1	n-Propylbenzene	320		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP
95-47-6	o-Xylene	6400		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/10/2020 06:06	08/11/2020 17:34	TMP
179601-23-1	p- & m- Xylenes	13000		ug/L	50	100	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/10/2020 06:06	08/11/2020 17:34	TMP
99-87-6	p-Isopropyltoluene	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP
135-98-8	sec-Butylbenzene	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP
100-42-5	Styrene	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	50	100	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP
127-18-4	Tetrachloroethylene	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP
108-88-3	Toluene	21000		ug/L	50	120	250	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/12/2020 14:33	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP
79-01-6	Trichloroethylene	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP
75-69-4	Trichlorofluoromethane	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP



Sample Information

Client Sample ID: MW-42_080420

York Sample ID: 20H0086-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20H0086

140115301

Water

August 4, 2020 3:30 pm

08/04/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP
1330-20-7	Xylenes, Total	20000		ug/L	60	150	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/10/2020 06:06	08/11/2020 17:34	TMP
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	93.9 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	97.3 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	108 %			79-122						

Total Petroleum Hydrocarbons-GRO (C5-C10)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	Total Petroleum Hydrocarbons-GRO	19.8		mg/L	0.800	1	EPA 8015D Certifications: NELAC-NY10854,NJDEP,PADEP	08/10/2020 15:13	08/10/2020 19:35	SS	
Surrogate Recoveries		Result			Acceptance Range						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	153 %	S-08		70-130						

Iron by EPA 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	* Iron	ND		ug/L	11.1	1	EPA 6020B Certifications: CTDOH	08/06/2020 12:57	08/06/2020 14:26	BML

Iron, Dissolved by EPA 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	* Iron	27.8		ug/L	11.1	1	EPA 6020B Certifications: CTDOH	08/04/2020 19:17	08/06/2020 12:48	BML

Manganese by EPA 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	Manganese	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2020 12:57	08/06/2020 14:26	BML

Manganese, Dissolved by EPA 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

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



Sample Information

Client Sample ID: MW-42_080420

York Sample ID: 20H0086-03

York Project (SDG) No.

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Matrix

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20H0086

140115301

Water

August 4, 2020 3:30 pm

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Manganese, Dissolved by EPA 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	Manganese	1360		ug/L	1.11	1	EPA 6020B	08/04/2020 19:17	08/06/2020 12:48	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	400		mg/L	2.0	1	SM 2320B	08/11/2020 10:20	08/11/2020 13:15	JAG
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Chemical Oxygen Demand (COD)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Chemical Oxygen Demand (COD)	140		mg/L	10	1	SM 5220 D	08/10/2020 09:03	08/10/2020 13:26	JAG
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Total Organic Carbon

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	15.9		mg/L	1.00	1	SM 5310C	08/05/2020 08:17	08/06/2020 15:50	AD
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		



Sample Information

Client Sample ID: FB01_080420

York Sample ID: 20H0086-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20H0086

140115301

Water

August 4, 2020 3:45 pm

08/04/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP
123-91-1	1,4-Dioxane	ND		ug/L	40	80	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP



Sample Information

Client Sample ID: FB01_080420

York Sample ID: 20H0086-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20H0086

140115301

Water

August 4, 2020 3:45 pm

08/04/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP
67-64-1	Acetone	1.3	J	ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP



Sample Information

Client Sample ID: FB01_080420

York Sample ID: 20H0086-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20H0086

140115301

Water

August 4, 2020 3:45 pm

08/04/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/10/2020 06:06	08/10/2020 15:51	TMP
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/10/2020 06:06	08/10/2020 15:51	TMP
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP
108-88-3	Toluene	0.47	QL-02, J, B	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP



Sample Information

Client Sample ID: FB01_080420

York Sample ID: 20H0086-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20H0086

140115301

Water

August 4, 2020 3:45 pm

08/04/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/10/2020 06:06	08/10/2020 15:51	TMP
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	99.2 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	95.0 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	104 %	79-122								



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 20H0086-05

<u>York Project (SDG) No.</u> 20H0086	<u>Client Project ID</u> 140115301	<u>Matrix</u> Water	<u>Collection Date/Time</u> August 4, 2020 12:00 am	<u>Date Received</u> 08/04/2020
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP
123-91-1	1,4-Dioxane	ND		ug/L	40	80	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 20H0086-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20H0086

140115301

Water

August 4, 2020 12:00 am

08/04/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP
67-64-1	Acetone	1.1	J	ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 20H0086-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20H0086

140115301

Water

August 4, 2020 12:00 am

08/04/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/10/2020 06:06	08/10/2020 15:26	TMP
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/10/2020 06:06	08/10/2020 15:26	TMP
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP
108-88-3	Toluene	0.45	QL-02, J, B	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/10/2020 06:06	08/10/2020 15:26	TMP



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 20H0086-05

York Project (SDG) No.
20H0086

Client Project ID
140115301

Matrix
Water

Collection Date/Time
August 4, 2020 12:00 am

Date Received
08/04/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	08/10/2020 06:06	08/10/2020 15:26	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
	Surrogate Recoveries	Result									Acceptance Range
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	97.0 %									69-130
2037-26-5	Surrogate: SURR: Toluene-d8	95.2 %									81-117
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	105 %									79-122



Analytical Batch Summary

Batch ID: BH00147 **Preparation Method:** EPA 3015A **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
20H0086-01	MW-40_080420	08/04/20
20H0086-02	MW-41_080420	08/04/20
20H0086-03	MW-42_080420	08/04/20
BH00147-BLK1	Blank	08/04/20
BH00147-BS1	LCS	08/04/20

Batch ID: BH00171 **Preparation Method:** Analysis Preparation **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
20H0086-01	MW-40_080420	08/05/20
20H0086-02	MW-41_080420	08/05/20
20H0086-03	MW-42_080420	08/05/20
BH00171-BLK1	Blank	08/05/20
BH00171-BS1	LCS	08/05/20

Batch ID: BH00274 **Preparation Method:** EPA 3015A **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
20H0086-01	MW-40_080420	08/06/20
20H0086-01RE1	MW-40_080420	08/06/20
20H0086-02	MW-41_080420	08/06/20
20H0086-02RE1	MW-41_080420	08/06/20
20H0086-03	MW-42_080420	08/06/20
BH00274-BLK1	Blank	08/06/20
BH00274-BS1	LCS	08/06/20

Batch ID: BH00420 **Preparation Method:** Analysis Preparation **Prepared By:** JAG

YORK Sample ID	Client Sample ID	Preparation Date
20H0086-01	MW-40_080420	08/10/20
20H0086-02	MW-41_080420	08/10/20
20H0086-03	MW-42_080420	08/10/20
BH00420-BLK1	Blank	08/10/20
BH00420-BS1	LCS	08/10/20

Batch ID: BH00473 **Preparation Method:** EPA 5030B **Prepared By:** CLO

YORK Sample ID	Client Sample ID	Preparation Date
20H0086-01	MW-40_080420	08/10/20
20H0086-02	MW-41_080420	08/10/20
20H0086-03	MW-42_080420	08/10/20
BH00473-BLK1	Blank	08/10/20
BH00473-SRM1	Reference	08/10/20



Batch ID: BH00519

Preparation Method: Analysis Preparation

Prepared By: JAG

YORK Sample ID	Client Sample ID	Preparation Date
20H0086-01	MW-40_080420	08/11/20
20H0086-02	MW-41_080420	08/11/20
20H0086-03	MW-42_080420	08/11/20
BH00519-DUP1	Duplicate	08/11/20
BH00519-SRM1	Reference	08/11/20

Batch ID: BH00528

Preparation Method: EPA 5030B

Prepared By: TMP

YORK Sample ID	Client Sample ID	Preparation Date
20H0086-02	MW-41_080420	08/10/20
20H0086-04	FB01_080420	08/10/20
20H0086-05	Trip Blank	08/10/20
BH00528-BLK1	Blank	08/10/20
BH00528-BS1	LCS	08/10/20
BH00528-BSD1	LCS Dup	08/10/20

Batch ID: BH00529

Preparation Method: EPA 5030B

Prepared By: TMP

YORK Sample ID	Client Sample ID	Preparation Date
20H0086-01	MW-40_080420	08/10/20
20H0086-02RE1	MW-41_080420	08/10/20
20H0086-03	MW-42_080420	08/10/20
BH00529-BLK1	Blank	08/11/20
BH00529-BS1	LCS	08/11/20
BH00529-BSD1	LCS Dup	08/11/20

Batch ID: BH00642

Preparation Method: EPA 5030B

Prepared By: TMP

YORK Sample ID	Client Sample ID	Preparation Date
20H0086-01RE1	MW-40_080420	08/10/20
20H0086-03RE1	MW-42_080420	08/10/20
BH00642-BLK1	Blank	08/12/20
BH00642-BS1	LCS	08/12/20
BH00642-BSD1	LCS Dup	08/12/20



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH00528 - EPA 5030B

Blank (BH00528-BLK1)	Blank	Prepared & Analyzed: 08/10/2020									
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	80	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

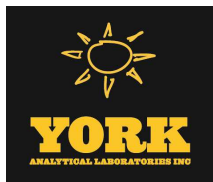
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH00528 - EPA 5030B

Blank (BH00528-BLK1)		Blank		Prepared & Analyzed: 08/10/2020							
n-Butylbenzene	ND	0.50	ug/L								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	0.36	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
<hr/>											
Surrogate: SURRE: 1,2-Dichloroethane-d4	9.75		"	10.0		97.5	69-130				
Surrogate: SURRE: Toluene-d8	9.57		"	10.0		95.7	81-117				
Surrogate: SURRE: p-Bromofluorobenzene	11.0		"	10.0		110	79-122				

LCS (BH00528-BS1)		LCS		Prepared & Analyzed: 08/10/2020							
1,1,1,2-Tetrachloroethane	11		ug/L	10.0		107	82-126				
1,1,1-Trichloroethane	11		"	10.0		108	78-136				
1,1,2,2-Tetrachloroethane	11		"	10.0		112	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10		"	10.0		103	54-165				
1,1,2-Trichloroethane	11		"	10.0		108	82-123				
1,1-Dichloroethane	11		"	10.0		112	82-129				
1,1-Dichloroethylene	11		"	10.0		110	68-138				
1,2,3-Trichlorobenzene	4.8		"	10.0		48.1	76-136	Low Bias			
1,2,3-Trichloropropane	12		"	10.0		120	77-128				
1,2,4-Trichlorobenzene	6.7		"	10.0		67.1	76-137	Low Bias			
1,2,4-Trimethylbenzene	10		"	10.0		103	82-132				
1,2-Dibromo-3-chloropropane	9.3		"	10.0		93.2	45-147				
1,2-Dibromoethane	11		"	10.0		114	83-124				
1,2-Dichlorobenzene	10		"	10.0		103	79-123				
1,2-Dichloroethane	12		"	10.0		118	73-132				
1,2-Dichloropropane	10		"	10.0		101	78-126				
1,3,5-Trimethylbenzene	9.9		"	10.0		99.1	80-131				
1,3-Dichlorobenzene	10		"	10.0		103	86-122				
1,4-Dichlorobenzene	11		"	10.0		106	85-124				
1,4-Dioxane	470		"	210		226	10-349				
2-Butanone	12		"	10.0		122	49-152				
2-Hexanone	11		"	10.0		110	51-146				
4-Methyl-2-pentanone	11		"	10.0		108	57-145				
Acetone	14		"	10.0		140	14-150				
Acrolein	4.9		"	10.0		48.6	10-153				
Acrylonitrile	14		"	10.0		143	51-150				
Benzene	11		"	10.0		113	85-126				
Bromochloromethane	12		"	10.0		122	77-128				
Bromodichloromethane	10		"	10.0		101	79-128				



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

Analyte	Result	Reporting	Units	Spike Level	Source*	%REC	%REC Limits	Flag	RPD	RPD	Flag
		Limit			Result					Limit	
Batch BH00528 - EPA 5030B											
LCS (BH00528-BS1)	LCS									Prepared & Analyzed: 08/10/2020	
Bromoform			ug/L	10.0		112	78-133				
Bromomethane	6.4		"	10.0		63.8	43-168				
Carbon disulfide	11		"	10.0		110	68-146				
Carbon tetrachloride	10		"	10.0		99.6	77-141				
Chlorobenzene	11		"	10.0		107	88-120				
Chloroethane	12		"	10.0		117	65-136				
Chloroform	11		"	10.0		114	82-128				
Chloromethane	8.9		"	10.0		88.7	43-155				
cis-1,2-Dichloroethylene	12		"	10.0		116	83-129				
cis-1,3-Dichloropropylene	10		"	10.0		104	80-131				
Cyclohexane	10		"	10.0		104	63-149				
Dibromochloromethane	11		"	10.0		108	80-130				
Dibromomethane	11		"	10.0		106	72-134				
Dichlorodifluoromethane	6.0		"	10.0		59.5	44-144				
Ethyl Benzene	10		"	10.0		103	80-131				
Hexachlorobutadiene	8.8		"	10.0		88.3	67-146				
Isopropylbenzene	9.5		"	10.0		94.9	76-140				
Methyl acetate	13		"	10.0		133	51-139				
Methyl tert-butyl ether (MTBE)	12		"	10.0		122	76-135				
Methylcyclohexane	6.6		"	10.0		65.8	72-143	Low Bias			
Methylene chloride	12		"	10.0		116	55-137				
n-Butylbenzene	8.3		"	10.0		83.1	79-132				
n-Propylbenzene	9.0		"	10.0		90.4	78-133				
o-Xylene	10		"	10.0		104	78-130				
p- & m- Xylenes	21		"	20.0		103	77-133				
p-Isopropyltoluene	8.9		"	10.0		89.4	81-136				
sec-Butylbenzene	8.6		"	10.0		86.5	79-137				
Styrene	11		"	10.0		105	67-132				
tert-Butyl alcohol (TBA)	88		"	50.0		175	25-162	High Bias			
tert-Butylbenzene	7.4		"	10.0		74.5	77-138	Low Bias			
Tetrachloroethylene	9.4		"	10.0		94.1	82-131				
Toluene	13		"	10.0		128	80-127	High Bias			
trans-1,2-Dichloroethylene	12		"	10.0		115	80-132				
trans-1,3-Dichloropropylene	10		"	10.0		103	78-131				
Trichloroethylene	9.9		"	10.0		99.4	82-128				
Trichlorofluoromethane	11		"	10.0		109	67-139				
Vinyl Chloride	11		"	10.0		107	58-145				
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>10.8</i>		<i>"</i>	<i>10.0</i>		<i>108</i>	<i>69-130</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>9.33</i>		<i>"</i>	<i>10.0</i>		<i>93.3</i>	<i>81-117</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>10.5</i>		<i>"</i>	<i>10.0</i>		<i>105</i>	<i>79-122</i>				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH00528 - EPA 5030B											
LCS Dup (BH00528-BS1)	LCS Dup		Prepared & Analyzed: 08/10/2020								
1,1,1,2-Tetrachloroethane	10		ug/L	10.0		100	82-126		6.66	30	
1,1,1-Trichloroethane	10		"	10.0		105	78-136		3.38	30	
1,1,2,2-Tetrachloroethane	9.5		"	10.0		95.0	76-129		16.5	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		106	54-165		2.97	30	
1,1,2-Trichloroethane	9.3		"	10.0		93.1	82-123		15.1	30	
1,1-Dichloroethane	10		"	10.0		104	82-129		6.86	30	
1,1-Dichloroethylene	11		"	10.0		106	68-138		3.53	30	
1,2,3-Trichlorobenzene	5.2		"	10.0		51.8	76-136	Low Bias	7.41	30	
1,2,3-Trichloropropane	9.9		"	10.0		99.2	77-128		19.0	30	
1,2,4-Trichlorobenzene	6.9		"	10.0		68.7	76-137	Low Bias	2.36	30	
1,2,4-Trimethylbenzene	10		"	10.0		104	82-132		0.873	30	
1,2-Dibromo-3-chloropropane	8.8		"	10.0		88.0	45-147		5.74	30	
1,2-Dibromoethane	9.5		"	10.0		94.9	83-124		17.9	30	
1,2-Dichlorobenzene	9.7		"	10.0		97.1	79-123		5.51	30	
1,2-Dichloroethane	10		"	10.0		101	73-132		15.7	30	
1,2-Dichloropropane	9.4		"	10.0		94.4	78-126		6.76	30	
1,3,5-Trimethylbenzene	10		"	10.0		101	80-131		1.70	30	
1,3-Dichlorobenzene	10		"	10.0		101	86-122		1.97	30	
1,4-Dichlorobenzene	10		"	10.0		102	85-124		3.56	30	
1,4-Dioxane	360		"	210		172	10-349		27.3	30	
2-Butanone	10		"	10.0		101	49-152		18.5	30	
2-Hexanone	8.6		"	10.0		86.4	51-146		24.4	30	
4-Methyl-2-pentanone	8.6		"	10.0		85.8	57-145		22.9	30	
Acetone	10		"	10.0		104	14-150		29.0	30	
Acrolein	3.8		"	10.0		38.0	10-153		24.5	30	
Acrylonitrile	11		"	10.0		110	51-150		26.0	30	
Benzene	10		"	10.0		104	85-126		7.84	30	
Bromochloromethane	11		"	10.0		106	77-128		14.3	30	
Bromodichloromethane	9.2		"	10.0		92.5	79-128		9.18	30	
Bromoform	9.6		"	10.0		95.7	78-133		15.3	30	
Bromomethane	5.3		"	10.0		52.7	43-168		19.1	30	
Carbon disulfide	10		"	10.0		104	68-146		6.26	30	
Carbon tetrachloride	9.8		"	10.0		98.4	77-141		1.21	30	
Chlorobenzene	10		"	10.0		101	88-120		5.19	30	
Chloroethane	11		"	10.0		105	65-136		10.4	30	
Chloroform	11		"	10.0		106	82-128		7.28	30	
Chloromethane	8.0		"	10.0		79.8	43-155		10.6	30	
cis-1,2-Dichloroethylene	11		"	10.0		107	83-129		8.24	30	
cis-1,3-Dichloropropylene	9.2		"	10.0		92.4	80-131		11.8	30	
Cyclohexane	12		"	10.0		116	63-149		10.6	30	
Dibromochloromethane	9.6		"	10.0		95.9	80-130		12.1	30	
Dibromomethane	9.0		"	10.0		89.5	72-134		16.7	30	
Dichlorodifluoromethane	5.8		"	10.0		57.5	44-144		3.42	30	
Ethyl Benzene	10		"	10.0		99.5	80-131		3.36	30	
Hexachlorobutadiene	7.8		"	10.0		77.5	67-146		13.0	30	
Isopropylbenzene	9.7		"	10.0		97.1	76-140		2.29	30	
Methyl acetate	10		"	10.0		101	51-139		27.1	30	
Methyl tert-butyl ether (MTBE)	10		"	10.0		103	76-135		16.7	30	
Methylcyclohexane	8.7		"	10.0		86.6	72-143		27.3	30	
Methylene chloride	10		"	10.0		102	55-137		12.3	30	
n-Butylbenzene	8.6		"	10.0		86.4	79-132		3.89	30	



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

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	
		Limit			Result					RPD	Limit
Batch BH00528 - EPA 5030B											
LCS Dup (BH00528-BSD1)	LCS Dup	Prepared & Analyzed: 08/10/2020									
n-Propylbenzene	9.4		ug/L	10.0		93.5	78-133			3.37	30
o-Xylene	9.9		"	10.0		99.3	78-130			4.62	30
p- & m- Xylenes	20		"	20.0		98.4	77-133			5.01	30
p-Isopropyltoluene	9.4		"	10.0		93.7	81-136			4.70	30
sec-Butylbenzene	9.1		"	10.0		91.3	79-137			5.40	30
Styrene	10		"	10.0		100	67-132			4.86	30
tert-Butyl alcohol (TBA)	63		"	50.0		125	25-162			33.1	30 Non-dir.
tert-Butylbenzene	7.7		"	10.0		77.3	77-138			3.69	30
Tetrachloroethylene	9.5		"	10.0		95.0	82-131			0.952	30
Toluene	9.9		"	10.0		99.3	80-127			25.3	30
trans-1,2-Dichloroethylene	11		"	10.0		108	80-132			6.54	30
trans-1,3-Dichloropropylene	9.0		"	10.0		89.8	78-131			13.7	30
Trichloroethylene	9.6		"	10.0		95.5	82-128			4.00	30
Trichlorofluoromethane	11		"	10.0		107	67-139			2.03	30
Vinyl Chloride	9.9		"	10.0		99.0	58-145			7.49	30
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>9.62</i>		<i>"</i>	<i>10.0</i>		<i>96.2</i>	<i>69-130</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>9.52</i>		<i>"</i>	<i>10.0</i>		<i>95.2</i>	<i>81-117</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>10.6</i>		<i>"</i>	<i>10.0</i>		<i>106</i>	<i>79-122</i>				

Batch BH00529 - EPA 5030B											
Blank (BH00529-BLK1)	Blank	Prepared & Analyzed: 08/11/2020									
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	80	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								



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

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

Batch BH00529 - EPA 5030B

Blank (BH00529-BLK1) Blank Prepared & Analyzed: 08/11/2020

Bromoform	ND	0.50	ug/L								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	0.30	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								

<i>Surrogate: SURRE: 1,2-Dichloroethane-d4</i>	9.81		"	10.0		98.1	69-130				
<i>Surrogate: SURRE: Toluene-d8</i>	9.60		"	10.0		96.0	81-117				
<i>Surrogate: SURRE: p-Bromofluorobenzene</i>	11.0		"	10.0		110	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH00529 - EPA 5030B											
LCS (BH00529-BS1)	LCS	Prepared & Analyzed: 08/11/2020									
1,1,1,2-Tetrachloroethane	9.1		ug/L	10.0		91.0	82-126				
1,1,1-Trichloroethane	9.1		"	10.0		91.3	78-136				
1,1,2,2-Tetrachloroethane	9.1		"	10.0		90.9	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.7		"	10.0		96.9	54-165				
1,1,2-Trichloroethane	8.8		"	10.0		87.7	82-123				
1,1-Dichloroethane	9.7		"	10.0		96.6	82-129				
1,1-Dichloroethylene	10		"	10.0		99.8	68-138				
1,2,3-Trichlorobenzene	4.5		"	10.0		45.1	76-136	Low Bias			
1,2,3-Trichloropropane	9.5		"	10.0		94.8	77-128				
1,2,4-Trichlorobenzene	6.1		"	10.0		61.3	76-137	Low Bias			
1,2,4-Trimethylbenzene	9.9		"	10.0		99.2	82-132				
1,2-Dibromo-3-chloropropane	7.8		"	10.0		77.5	45-147				
1,2-Dibromoethane	8.8		"	10.0		88.3	83-124				
1,2-Dichlorobenzene	9.2		"	10.0		92.5	79-123				
1,2-Dichloroethane	9.4		"	10.0		94.0	73-132				
1,2-Dichloropropane	8.7		"	10.0		86.8	78-126				
1,3,5-Trimethylbenzene	9.5		"	10.0		94.6	80-131				
1,3-Dichlorobenzene	9.7		"	10.0		97.0	86-122				
1,4-Dichlorobenzene	9.7		"	10.0		97.1	85-124				
1,4-Dioxane	310		"	210		149	10-349				
2-Butanone	9.2		"	10.0		91.7	49-152				
2-Hexanone	7.5		"	10.0		75.2	51-146				
4-Methyl-2-pentanone	7.5		"	10.0		75.2	57-145				
Acetone	8.6		"	10.0		86.1	14-150				
Acrolein	4.5		"	10.0		45.2	10-153				
Acrylonitrile	10		"	10.0		103	51-150				
Benzene	9.9		"	10.0		99.1	85-126				
Bromochloromethane	9.9		"	10.0		98.7	77-128				
Bromodichloromethane	8.5		"	10.0		85.2	79-128				
Bromoform	8.8		"	10.0		87.7	78-133				
Bromomethane	6.0		"	10.0		59.7	43-168				
Carbon disulfide	11		"	10.0		106	68-146				
Carbon tetrachloride	8.7		"	10.0		86.7	77-141				
Chlorobenzene	9.3		"	10.0		93.3	88-120				
Chloroethane	12		"	10.0		119	65-136				
Chloroform	9.8		"	10.0		97.9	82-128				
Chloromethane	10		"	10.0		102	43-155				
cis-1,2-Dichloroethylene	10		"	10.0		103	83-129				
cis-1,3-Dichloropropylene	8.9		"	10.0		88.9	80-131				
Cyclohexane	9.2		"	10.0		91.5	63-149				
Dibromochloromethane	8.7		"	10.0		87.1	80-130				
Dibromomethane	8.3		"	10.0		83.0	72-134				
Dichlorodifluoromethane	16		"	10.0		155	44-144	High Bias			
Ethyl Benzene	9.0		"	10.0		89.9	80-131				
Hexachlorobutadiene	7.1		"	10.0		71.2	67-146				
Isopropylbenzene	8.8		"	10.0		88.2	76-140				
Methyl acetate	10		"	10.0		102	51-139				
Methyl tert-butyl ether (MTBE)	9.3		"	10.0		93.1	76-135				
Methylcyclohexane	6.1		"	10.0		60.6	72-143	Low Bias			
Methylene chloride	9.8		"	10.0		97.8	55-137				
n-Butylbenzene	8.1		"	10.0		80.7	79-132				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH00529 - EPA 5030B											
LCS (BH00529-BS1)	LCS										Prepared & Analyzed: 08/11/2020
n-Propylbenzene	8.6		ug/L	10.0		85.9	78-133				
o-Xylene	9.1		"	10.0		91.3	78-130				
p- & m- Xylenes	18		"	20.0		90.0	77-133				
p-Isopropyltoluene	8.6		"	10.0		85.9	81-136				
sec-Butylbenzene	8.3		"	10.0		82.8	79-137				
Styrene	9.4		"	10.0		94.3	67-132				
tert-Butyl alcohol (TBA)	54		"	50.0		107	25-162				
tert-Butylbenzene	7.1		"	10.0		70.8	77-138	Low Bias			
Tetrachloroethylene	8.4		"	10.0		84.5	82-131				
Toluene	9.3		"	10.0		93.1	80-127				
trans-1,2-Dichloroethylene	10		"	10.0		101	80-132				
trans-1,3-Dichloropropylene	8.5		"	10.0		84.8	78-131				
Trichloroethylene	8.6		"	10.0		85.5	82-128				
Trichlorofluoromethane	11		"	10.0		107	67-139				
Vinyl Chloride	12		"	10.0		117	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	9.71		"	10.0		97.1	69-130				
Surrogate: SURR: Toluene-d8	9.34		"	10.0		93.4	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.9		"	10.0		109	79-122				
LCS Dup (BH00529-BSD1)	LCS Dup										Prepared & Analyzed: 08/11/2020
1,1,1,2-Tetrachloroethane	9.1		ug/L	10.0		90.6	82-126		0.441	30	
1,1,1-Trichloroethane	9.0		"	10.0		90.3	78-136		1.10	30	
1,1,2,2-Tetrachloroethane	9.4		"	10.0		94.3	76-129		3.67	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10		"	10.0		102	54-165		5.13	30	
1,1,2-Trichloroethane	9.0		"	10.0		90.2	82-123		2.81	30	
1,1-Dichloroethane	9.3		"	10.0		93.2	82-129		3.58	30	
1,1-Dichloroethylene	9.8		"	10.0		98.4	68-138		1.41	30	
1,2,3-Trichlorobenzene	5.6		"	10.0		55.6	76-136	Low Bias	20.9	30	
1,2,3-Trichloropropane	10		"	10.0		100	77-128		5.84	30	
1,2,4-Trichlorobenzene	6.8		"	10.0		68.5	76-137	Low Bias	11.1	30	
1,2,4-Trimethylbenzene	9.6		"	10.0		96.1	82-132		3.17	30	
1,2-Dibromo-3-chloropropane	8.5		"	10.0		84.8	45-147		9.00	30	
1,2-Dibromoethane	9.1		"	10.0		90.9	83-124		2.90	30	
1,2-Dichlorobenzene	9.4		"	10.0		93.7	79-123		1.29	30	
1,2-Dichloroethane	9.4		"	10.0		94.3	73-132		0.319	30	
1,2-Dichloropropane	8.5		"	10.0		85.3	78-126		1.74	30	
1,3,5-Trimethylbenzene	9.3		"	10.0		92.6	80-131		2.14	30	
1,3-Dichlorobenzene	9.6		"	10.0		95.6	86-122		1.45	30	
1,4-Dichlorobenzene	9.6		"	10.0		95.8	85-124		1.35	30	
1,4-Dioxane	340		"	210		160	10-349		6.54	30	
2-Butanone	9.5		"	10.0		95.3	49-152		3.85	30	
2-Hexanone	8.2		"	10.0		82.1	51-146		8.77	30	
4-Methyl-2-pentanone	8.0		"	10.0		80.4	57-145		6.68	30	
Acetone	8.9		"	10.0		88.9	14-150		3.20	30	
Acrolein	4.5		"	10.0		45.4	10-153		0.442	30	
Acrylonitrile	11		"	10.0		110	51-150		7.41	30	
Benzene	9.5		"	10.0		95.2	85-126		4.01	30	
Bromochloromethane	9.8		"	10.0		97.6	77-128		1.12	30	
Bromodichloromethane	8.5		"	10.0		84.8	79-128		0.471	30	
Bromoform	9.0		"	10.0		89.5	78-133		2.03	30	
Bromomethane	5.0		"	10.0		50.1	43-168		17.5	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH00529 - EPA 5030B											
LCS Dup (BH00529-BSD1)	LCS Dup	Prepared & Analyzed: 08/11/2020									
Carbon disulfide	10		ug/L	10.0		102	68-146		3.94	30	
Carbon tetrachloride	8.8		"	10.0		88.2	77-141		1.72	30	
Chlorobenzene	9.1		"	10.0		91.1	88-120		2.39	30	
Chloroethane	11		"	10.0		113	65-136		5.69	30	
Chloroform	9.5		"	10.0		95.0	82-128		3.01	30	
Chloromethane	9.2		"	10.0		92.3	43-155		9.59	30	
cis-1,2-Dichloroethylene	9.9		"	10.0		98.9	83-129		4.26	30	
cis-1,3-Dichloropropylene	8.9		"	10.0		89.1	80-131		0.225	30	
Cyclohexane	10		"	10.0		102	63-149		10.6	30	
Dibromochloromethane	8.9		"	10.0		89.4	80-130		2.61	30	
Dibromomethane	8.5		"	10.0		85.1	72-134		2.50	30	
Dichlorodifluoromethane	16		"	10.0		155	44-144	High Bias	0.129	30	
Ethyl Benzene	8.8		"	10.0		87.8	80-131		2.36	30	
Hexachlorobutadiene	7.4		"	10.0		74.5	67-146		4.53	30	
Isopropylbenzene	8.7		"	10.0		87.3	76-140		1.03	30	
Methyl acetate	11		"	10.0		105	51-139		2.80	30	
Methyl tert-butyl ether (MTBE)	9.5		"	10.0		94.6	76-135		1.60	30	
Methylcyclohexane	7.6		"	10.0		76.3	72-143		22.9	30	
Methylene chloride	9.6		"	10.0		95.8	55-137		2.07	30	
n-Butylbenzene	7.9		"	10.0		79.0	79-132		2.13	30	
n-Propylbenzene	8.5		"	10.0		84.6	78-133		1.52	30	
o-Xylene	8.9		"	10.0		89.3	78-130		2.21	30	
p- & m- Xylenes	18		"	20.0		87.6	77-133		2.76	30	
p-Isopropyltoluene	8.5		"	10.0		85.0	81-136		1.05	30	
sec-Butylbenzene	8.3		"	10.0		82.8	79-137		0.00	30	
Styrene	9.3		"	10.0		92.8	67-132		1.60	30	
tert-Butyl alcohol (TBA)	57		"	50.0		114	25-162		5.89	30	
tert-Butylbenzene	7.0		"	10.0		69.5	77-138	Low Bias	1.85	30	
Tetrachloroethylene	8.5		"	10.0		85.2	82-131		0.825	30	
Toluene	8.9		"	10.0		88.6	80-127		4.95	30	
trans-1,2-Dichloroethylene	9.7		"	10.0		96.8	80-132		4.05	30	
trans-1,3-Dichloropropylene	8.6		"	10.0		85.8	78-131		1.17	30	
Trichloroethylene	8.3		"	10.0		83.3	82-128		2.61	30	
Trichlorofluoromethane	11		"	10.0		108	67-139		0.928	30	
Vinyl Chloride	12		"	10.0		115	58-145		1.98	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	9.97		"	10.0		99.7	69-130				
Surrogate: SURR: Toluene-d8	9.41		"	10.0		94.1	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.8		"	10.0		108	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH00642 - EPA 5030B

Blank (BH00642-BLK1) Blank

Prepared & Analyzed: 08/12/2020

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	80	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH00642 - EPA 5030B

Blank (BH00642-BLK1)	Blank	Prepared & Analyzed: 08/12/2020									
n-Propylbenzene	ND	0.50	ug/L								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
<hr/>											
Surrogate: SURR: 1,2-Dichloroethane-d4	9.36		"	10.0		93.6	69-130				
Surrogate: SURR: Toluene-d8	9.66		"	10.0		96.6	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.9		"	10.0		109	79-122				

LCS (BH00642-BS1)	LCS	Prepared & Analyzed: 08/12/2020									
1,1,1,2-Tetrachloroethane	9.1		ug/L	10.0		90.6	82-126				
1,1,1-Trichloroethane	9.5		"	10.0		94.8	78-136				
1,1,2,2-Tetrachloroethane	9.0		"	10.0		89.5	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		109	54-165				
1,1,2-Trichloroethane	8.5		"	10.0		84.8	82-123				
1,1-Dichloroethane	9.4		"	10.0		93.8	82-129				
1,1-Dichloroethylene	10		"	10.0		101	68-138				
1,2,3-Trichlorobenzene	5.3		"	10.0		52.7	76-136	Low Bias			
1,2,3-Trichloropropane	9.2		"	10.0		92.5	77-128				
1,2,4-Trichlorobenzene	6.8		"	10.0		67.7	76-137	Low Bias			
1,2,4-Trimethylbenzene	10		"	10.0		102	82-132				
1,2-Dibromo-3-chloropropane	7.8		"	10.0		78.3	45-147				
1,2-Dibromoethane	8.4		"	10.0		84.4	83-124				
1,2-Dichlorobenzene	9.4		"	10.0		94.0	79-123				
1,2-Dichloroethane	8.8		"	10.0		88.0	73-132				
1,2-Dichloropropane	8.5		"	10.0		84.8	78-126				
1,3,5-Trimethylbenzene	10		"	10.0		102	80-131				
1,3-Dichlorobenzene	9.9		"	10.0		99.3	86-122				
1,4-Dichlorobenzene	9.9		"	10.0		98.9	85-124				
1,4-Dioxane	270		"	210		131	10-349				
2-Butanone	8.5		"	10.0		85.2	49-152				
2-Hexanone	7.4		"	10.0		74.0	51-146				
4-Methyl-2-pentanone	7.3		"	10.0		72.6	57-145				
Acetone	7.9		"	10.0		78.6	14-150				
Acrolein	3.9		"	10.0		38.6	10-153				
Acrylonitrile	9.9		"	10.0		99.1	51-150				
Benzene	9.6		"	10.0		96.3	85-126				
Bromochloromethane	9.1		"	10.0		91.0	77-128				
Bromodichloromethane	8.3		"	10.0		82.9	79-128				
Bromoform	8.6		"	10.0		86.3	78-133				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH00642 - EPA 5030B

LCS (BH00642-BS1)	LCS	Prepared & Analyzed: 08/12/2020									
Bromomethane	5.2		ug/L	10.0		51.9	43-168				
Carbon disulfide	10		"	10.0		104	68-146				
Carbon tetrachloride	9.4		"	10.0		94.3	77-141				
Chlorobenzene	9.4		"	10.0		93.8	88-120				
Chloroethane	12		"	10.0		116	65-136				
Chloroform	9.3		"	10.0		93.1	82-128				
Chloromethane	9.2		"	10.0		92.2	43-155				
cis-1,2-Dichloroethylene	9.9		"	10.0		99.0	83-129				
cis-1,3-Dichloropropylene	8.6		"	10.0		86.1	80-131				
Cyclohexane	11		"	10.0		111	63-149				
Dibromochloromethane	8.6		"	10.0		86.4	80-130				
Dibromomethane	8.0		"	10.0		80.1	72-134				
Dichlorodifluoromethane	14		"	10.0		144	44-144				
Ethyl Benzene	9.3		"	10.0		93.3	80-131				
Hexachlorobutadiene	8.4		"	10.0		84.0	67-146				
Isopropylbenzene	9.9		"	10.0		98.9	76-140				
Methyl acetate	9.1		"	10.0		91.3	51-139				
Methyl tert-butyl ether (MTBE)	8.6		"	10.0		85.7	76-135				
Methylcyclohexane	9.4		"	10.0		94.5	72-143				
Methylene chloride	9.0		"	10.0		90.2	55-137				
n-Butylbenzene	9.3		"	10.0		93.0	79-132				
n-Propylbenzene	9.8		"	10.0		97.5	78-133				
o-Xylene	9.2		"	10.0		92.0	78-130				
p- & m- Xylenes	19		"	20.0		92.6	77-133				
p-Isopropyltoluene	9.8		"	10.0		97.8	81-136				
sec-Butylbenzene	10		"	10.0		99.9	79-137				
Styrene	9.4		"	10.0		93.8	67-132				
tert-Butyl alcohol (TBA)	49		"	50.0		98.0	25-162				
tert-Butylbenzene	8.1		"	10.0		80.7	77-138				
Tetrachloroethylene	9.6		"	10.0		95.7	82-131				
Toluene	9.1		"	10.0		90.7	80-127				
trans-1,2-Dichloroethylene	9.9		"	10.0		99.1	80-132				
trans-1,3-Dichloropropylene	8.1		"	10.0		81.4	78-131				
Trichloroethylene	9.0		"	10.0		89.9	82-128				
Trichlorofluoromethane	11		"	10.0		113	67-139				
Vinyl Chloride	11		"	10.0		113	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	9.14		"	10.0		91.4	69-130				
Surrogate: SURR: Toluene-d8	9.73		"	10.0		97.3	81-117				
Surrogate: SURR: p-Bromofluorobenzene	11.0		"	10.0		110	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH00642 - EPA 5030B											
LCS Dup (BH00642-BSD1)	LCS Dup		Prepared & Analyzed: 08/12/2020								
1,1,1,2-Tetrachloroethane	9.8		ug/L	10.0		97.5	82-126		7.34	30	
1,1,1-Trichloroethane	10		"	10.0		100	78-136		5.74	30	
1,1,2,2-Tetrachloroethane	9.7		"	10.0		97.1	76-129		8.15	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12		"	10.0		116	54-165		6.41	30	
1,1,2-Trichloroethane	9.2		"	10.0		92.4	82-123		8.58	30	
1,1-Dichloroethane	10		"	10.0		99.8	82-129		6.20	30	
1,1-Dichloroethylene	11		"	10.0		108	68-138		6.59	30	
1,2,3-Trichlorobenzene	4.8		"	10.0		47.6	76-136	Low Bias	10.2	30	
1,2,3-Trichloropropane	10		"	10.0		101	77-128		8.39	30	
1,2,4-Trichlorobenzene	7.0		"	10.0		69.5	76-137	Low Bias	2.62	30	
1,2,4-Trimethylbenzene	11		"	10.0		108	82-132		5.60	30	
1,2-Dibromo-3-chloropropane	8.3		"	10.0		82.6	45-147		5.34	30	
1,2-Dibromoethane	9.0		"	10.0		90.2	83-124		6.64	30	
1,2-Dichlorobenzene	10		"	10.0		99.9	79-123		6.09	30	
1,2-Dichloroethane	9.4		"	10.0		94.2	73-132		6.81	30	
1,2-Dichloropropane	9.3		"	10.0		93.1	78-126		9.33	30	
1,3,5-Trimethylbenzene	11		"	10.0		107	80-131		4.80	30	
1,3-Dichlorobenzene	10		"	10.0		105	86-122		5.39	30	
1,4-Dichlorobenzene	10		"	10.0		105	85-124		5.79	30	
1,4-Dioxane	300		"	210		141	10-349		7.72	30	
2-Butanone	9.1		"	10.0		91.1	49-152		6.69	30	
2-Hexanone	8.1		"	10.0		81.2	51-146		9.28	30	
4-Methyl-2-pentanone	8.0		"	10.0		79.5	57-145		9.07	30	
Acetone	8.5		"	10.0		85.3	14-150		8.18	30	
Acrolein	4.0		"	10.0		40.5	10-153		4.80	30	
Acrylonitrile	11		"	10.0		106	51-150		7.01	30	
Benzene	10		"	10.0		103	85-126		6.82	30	
Bromochloromethane	9.7		"	10.0		97.2	77-128		6.59	30	
Bromodichloromethane	9.0		"	10.0		90.0	79-128		8.21	30	
Bromoform	9.1		"	10.0		91.3	78-133		5.63	30	
Bromomethane	5.2		"	10.0		51.6	43-168		0.580	30	
Carbon disulfide	11		"	10.0		109	68-146		4.59	30	
Carbon tetrachloride	10		"	10.0		100	77-141		6.37	30	
Chlorobenzene	10		"	10.0		100	88-120		6.70	30	
Chloroethane	12		"	10.0		122	65-136		5.88	30	
Chloroform	10		"	10.0		99.8	82-128		6.95	30	
Chloromethane	9.2		"	10.0		91.6	43-155		0.653	30	
cis-1,2-Dichloroethylene	11		"	10.0		106	83-129		7.30	30	
cis-1,3-Dichloropropylene	9.4		"	10.0		93.8	80-131		8.56	30	
Cyclohexane	12		"	10.0		119	63-149		6.77	30	
Dibromochloromethane	9.3		"	10.0		93.3	80-130		7.68	30	
Dibromomethane	8.7		"	10.0		86.6	72-134		7.80	30	
Dichlorodifluoromethane	15		"	10.0		147	44-144	High Bias	2.13	30	
Ethyl Benzene	10		"	10.0		99.6	80-131		6.53	30	
Hexachlorobutadiene	8.3		"	10.0		82.6	67-146		1.68	30	
Isopropylbenzene	10		"	10.0		104	76-140		5.31	30	
Methyl acetate	9.9		"	10.0		99.4	51-139		8.50	30	
Methyl tert-butyl ether (MTBE)	9.2		"	10.0		92.2	76-135		7.31	30	
Methylcyclohexane	10		"	10.0		101	72-143		6.85	30	
Methylene chloride	9.6		"	10.0		95.6	55-137		5.81	30	
n-Butylbenzene	9.6		"	10.0		96.4	79-132		3.59	30	



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

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	RPD	Limit	Flag
		Limit			Result					Limit			
Batch BH00642 - EPA 5030B													
LCS Dup (BH00642-BSD1)	LCS Dup										Prepared & Analyzed: 08/12/2020		
n-Propylbenzene	10		ug/L	10.0		102	78-133			4.90		30	
o-Xylene	9.8		"	10.0		97.9	78-130			6.21		30	
p- & m- Xylenes	20		"	20.0		98.9	77-133			6.58		30	
p-Isopropyltoluene	10		"	10.0		102	81-136			3.91		30	
sec-Butylbenzene	10		"	10.0		103	79-137			3.06		30	
Styrene	9.9		"	10.0		99.1	67-132			5.50		30	
tert-Butyl alcohol (TBA)	51		"	50.0		103	25-162			4.82		30	
tert-Butylbenzene	8.4		"	10.0		84.2	77-138			4.25		30	
Tetrachloroethylene	10		"	10.0		103	82-131			7.54		30	
Toluene	9.7		"	10.0		97.0	80-127			6.71		30	
trans-1,2-Dichloroethylene	11		"	10.0		106	80-132			6.26		30	
trans-1,3-Dichloropropylene	8.8		"	10.0		87.9	78-131			7.68		30	
Trichloroethylene	9.6		"	10.0		95.5	82-128			6.04		30	
Trichlorofluoromethane	12		"	10.0		120	67-139			5.76		30	
Vinyl Chloride	12		"	10.0		116	58-145			2.35		30	
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>9.34</i>		<i>"</i>	<i>10.0</i>		<i>93.4</i>	<i>69-130</i>						
<i>Surrogate: SURR: Toluene-d8</i>	<i>9.69</i>		<i>"</i>	<i>10.0</i>		<i>96.9</i>	<i>81-117</i>						
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>10.9</i>		<i>"</i>	<i>10.0</i>		<i>109</i>	<i>79-122</i>						



Gas Chromatography/Flame Ionization Detector - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH00473 - EPA 5030B											
Blank (BH00473-BLK1)	Blank										Prepared & Analyzed: 08/10/2020
Total Petroleum Hydrocarbons-GRO	ND	0.800	mg/L								
Surrogate: SURR: p-Bromofluorobenzene	320		ug/L	200		160	70-130				
Reference (BH00473-SRM1)	Reference										Prepared & Analyzed: 08/10/2020
Total Petroleum Hydrocarbons-GRO	1.81	0.800	mg/L	2.30		78.6	37.1-176				
Surrogate: SURR: p-Bromofluorobenzene	375		ug/L	200		187	70-130				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
Batch BH00147 - EPA 3015A												
Blank (BH00147-BLK1)	Blank							Prepared: 08/04/2020 Analyzed: 08/06/2020				
Iron - Dissolved	ND	11.1	ug/L									
Manganese - Dissolved	ND	1.11	"									
LCS (BH00147-BS1)	LCS							Prepared: 08/04/2020 Analyzed: 08/06/2020				
Iron - Dissolved	2430		ug/L	2500		97.2	80-120					
Manganese - Dissolved	46.5		"	50.0		93.0	80-120					
Batch BH00274 - EPA 3015A												
Blank (BH00274-BLK1)	Blank							Prepared & Analyzed: 08/06/2020				
Iron	ND	11.1	ug/L									
Manganese	ND	1.11	"									
LCS (BH00274-BS1)	LCS							Prepared & Analyzed: 08/06/2020				
Iron	2340		ug/L	2500		93.6	80-120					
Manganese	48.3		"	50.0		96.6	80-120					



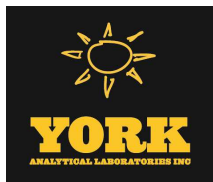
Wet Chemistry Parameters - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
Batch BH00171 - Analysis Preparation												
Blank (BH00171-BLK1)	Blank								Prepared: 08/05/2020 Analyzed: 08/06/2020			
Total Organic Carbon (TOC)	ND	1.00	mg/L									
LCS (BH00171-BS1)	LCS								Prepared: 08/05/2020 Analyzed: 08/06/2020			
Total Organic Carbon (TOC)	82.2	2.00	mg/L	94.0		87.5	79.5-125.1					
Batch BH00420 - Analysis Preparation												
Blank (BH00420-BLK1)	Blank								Prepared & Analyzed: 08/10/2020			
Chemical Oxygen Demand (COD)	ND	10	mg/L									
LCS (BH00420-BS1)	LCS								Prepared & Analyzed: 08/10/2020			
Chemical Oxygen Demand (COD)	98	10	mg/L	100		98.3	79-128					
Batch BH00519 - Analysis Preparation												
Duplicate (BH00519-DUP1)	Duplicate	*Source sample: 20H0086-03 (MW-42_080420)								Prepared & Analyzed: 08/11/2020		
Alkalinity, total	380	2.0	mg/L		400				5.13	15		
Reference (BH00519-SRM1)	Reference								Prepared & Analyzed: 08/11/2020			
Alkalinity, total	36	2.0	mg/L	34.2		105	90-109.9					



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
20H0086-01	MW-40_080420	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20H0086-01	MW-40_080420	250mL Plastic Cool to 4° C
20H0086-02	MW-41_080420	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20H0086-02	MW-41_080420	250mL Plastic Cool to 4° C
20H0086-03	MW-42_080420	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20H0086-03	MW-42_080420	250mL Plastic Cool to 4° C
20H0086-04	FB01_080420	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20H0086-05	Trip Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

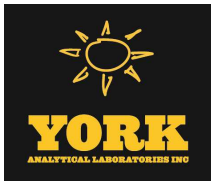
S-08	The recovery of this surrogate was outside of QC limits.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
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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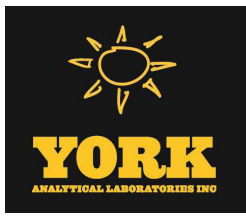
Field Chain-of-Custody Record

YORK Project No.
 20H0086

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 1

YOUR INFORMATION		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company:	Langan Engineering	Company:	"	Company:	"	14015301		RUSH - Next Day	
Address:	555 Longport Drive New Haven CT	Address:	"	Address:	"	YOUR Project Name		RUSH - Two Day	
Phone:	203-784-3069	Phone:	"	Phone:	"	714 East 241st Street		RUSH - Three Day	
Contact:	akela@langan.com	Contact:	"	Contact:	"	YOUR PO#:		RUSH - Four Day	
E-mail:		E-mail:	"	E-mail:	"			Standard (5-7 Day)	<input checked="" type="checkbox"/>
<p>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.</p>									
<p>Samples Collected by: (print your name above and sign below) Kyle Twombly</p>									
<p>Sample Identification</p>									
MW-40-080420	GW	S - soil / solid	New York	Summary Report	CT RCP	Standard Excel EDD	YORK Reg. Comp.		
MW-41-080420	SW	GW - groundwater	New Jersey	QA Report	CT RCP DQ/DUE	EQSIS (Standard)	Compared to the following Regulation(s): (please fill in)		
MW-42-080420	GW	DW - drinking water	Connecticut	NY ASP A Package	NJDEP Reduced Deliverables	NYSDÉC EQUIS			
FB01-080420		WW - wastewater	Pennsylvania	NY ASP B Package	NJDKQP	NJDEP SRP HazSite			
Trip Blank		O - Oil ; Other	Other			Other:			
Date/Time Sampled		Date/Time Sampled		Analysis Requested		Container Description			
8/4/20 / 8:30		8/4/20 / 8:30		VOGs, total dissolved Fe and Mn, TOGs, TPH-600, COP, Alkalinity					
10:30		10:30							
15:30		15:30							
18:45		18:45		VOGs					
				VOGs					
<p>Comments:</p>									
Preservation: (check all that apply)		HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___		Ascorbic Acid ___ Other: ___		Field Filtered ___ Lab to Filter ___			
Date/Time		Date/Time		Date/Time		Date/Time			
8/4/20 / 1810		8/4/20 / 1810							
Date/Time		Date/Time		Date/Time		Date/Time			
Date/Time		Date/Time		Date/Time		Date/Time			
						Temp. Received at Lab 1.7			



Technical Report

prepared for:

Langan Engineering & Environmental Services (CT)

Long Wharf Maritime Center, 555 Long Wharf Drive

New Haven CT, 06511-6107

Attention: Ryan Wohlstrom

Report Date: 09/22/2020

Client Project ID: 140115301

York Project (SDG) No.: 20H0106

Revision No. 1.0



CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037

New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 09/22/2020
Client Project ID: 140115301
York Project (SDG) No.: 20H0106

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

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on August 05, 2020 and listed below. The project was identified as your project: **140115301**.

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>
20H0106-01	MW-07B_080520	Water	08/05/2020	08/05/2020
20H0106-02	MW-08B_080520	Water	08/05/2020	08/05/2020
20H0106-03	MW-16B_080520	Water	08/05/2020	08/05/2020
20H0106-04	MW-17B_080520	Water	08/05/2020	08/05/2020
20H0106-05	MW-43_080520	Water	08/05/2020	08/05/2020
20H0106-06	DUP01_080520	Water	08/05/2020	08/05/2020
20H0106-07	Trip Blank	Water	08/05/2020	08/05/2020

General Notes for York Project (SDG) No.: 20H0106

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

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 09/22/2020





Sample Information

Client Sample ID: MW-07B_080520

York Sample ID: 20H0106-01

<u>York Project (SDG) No.</u> 20H0106	<u>Client Project ID</u> 140115301	<u>Matrix</u> Water	<u>Collection Date/Time</u> August 5, 2020 7:20 am	<u>Date Received</u> 08/05/2020
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS
123-91-1	1,4-Dioxane	ND		ug/L	40	80	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS



Sample Information

Client Sample ID: MW-07B_080520

York Sample ID: 20H0106-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20H0106

140115301

Water

August 5, 2020 7:20 am

08/05/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS
156-59-2	cis-1,2-Dichloroethylene	0.58		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS



Sample Information

Client Sample ID: MW-07B_080520

York Sample ID: 20H0106-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20H0106

140115301

Water

August 5, 2020 7:20 am

08/05/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/07/2020 09:30	08/07/2020 13:38	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/07/2020 09:30	08/07/2020 13:38	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS
127-18-4	Tetrachloroethylene	4.1		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS



Sample Information

Client Sample ID: MW-07B_080520

York Sample ID: 20H0106-01

York Project (SDG) No.
20H0106

Client Project ID
140115301

Matrix
Water

Collection Date/Time
August 5, 2020 7:20 am

Date Received
08/05/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/07/2020 09:30	08/07/2020 13:38	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	114 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	103 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	103 %	79-122								



Sample Information

Client Sample ID: MW-08B_080520

York Sample ID: 20H0106-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20H0106

140115301

Water

August 5, 2020 8:45 am

08/05/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	40	100	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	40	100	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	40	100	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS
95-63-6	1,2,4-Trimethylbenzene	1600		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS
108-67-8	1,3,5-Trimethylbenzene	390		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS
123-91-1	1,4-Dioxane	ND		ug/L	8000	16000	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS
78-93-3	2-Butanone	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS
591-78-6	2-Hexanone	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS



Sample Information

Client Sample ID: MW-08B_080520

York Sample ID: 20H0106-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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20H0106

140115301

Water

August 5, 2020 8:45 am

08/05/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS
67-64-1	Acetone	ND		ug/L	200	400	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS
107-02-8	Acrolein	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS
107-13-1	Acrylonitrile	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS
71-43-2	Benzene	9500		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS
74-97-5	Bromochloromethane	ND		ug/L	40	100	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS
75-27-4	Bromodichloromethane	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS
75-25-2	Bromoform	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS
74-83-9	Bromomethane	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS
75-15-0	Carbon disulfide	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS
56-23-5	Carbon tetrachloride	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS
108-90-7	Chlorobenzene	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS
75-00-3	Chloroethane	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS
67-66-3	Chloroform	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS
74-87-3	Chloromethane	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS
110-82-7	Cyclohexane	ND		ug/L	40	100	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS
124-48-1	Dibromochloromethane	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS
74-95-3	Dibromomethane	ND		ug/L	40	100	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	40	100	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS
100-41-4	Ethyl Benzene	2900		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS



Sample Information

Client Sample ID: MW-08B_080520

York Sample ID: 20H0106-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20H0106

140115301

Water

August 5, 2020 8:45 am

08/05/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/L	40	100	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS
98-82-8	Isopropylbenzene	82	J	ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS
79-20-9	Methyl acetate	ND		ug/L	40	100	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	4200		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS
108-87-2	Methylcyclohexane	ND		ug/L	40	100	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS
75-09-2	Methylene chloride	ND		ug/L	200	400	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS
104-51-8	n-Butylbenzene	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS
103-65-1	n-Propylbenzene	230		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS
95-47-6	o-Xylene	5300		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/11/2020 18:06	08/11/2020 19:46	SS
179601-23-1	p- & m- Xylenes	11000		ug/L	100	200	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/11/2020 18:06	08/11/2020 19:46	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS
135-98-8	sec-Butylbenzene	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS
100-42-5	Styrene	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	100	200	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS
98-06-6	tert-Butylbenzene	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS
127-18-4	Tetrachloroethylene	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS
108-88-3	Toluene	23000	E	ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS
10061-02-6	trans-1,3-Dichloropropylene	940		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS
79-01-6	Trichloroethylene	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS
75-01-4	Vinyl Chloride	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 18:06	08/11/2020 19:46	SS



Sample Information

Client Sample ID: MW-08B_080520

York Sample ID: 20H0106-02

York Project (SDG) No.

Client Project ID

Matrix

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20H0106

140115301

Water

August 5, 2020 8:45 am

08/05/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1330-20-7	Xylenes, Total	16000		ug/L	120	300	200	EPA 8260C	08/11/2020 18:06	08/11/2020 19:46	SS
Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP											
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	117 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	96.4 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	99.7 %			79-122						

Total Petroleum Hydrocarbons-GRO (C5-C10)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	Total Petroleum Hydrocarbons-GRO	74.0		mg/L	8.00	10	EPA 8015D	08/11/2020 12:30	08/11/2020 20:13	SS	
Certifications: NELAC-NY10854,NJDEP,PADEP											
Surrogate Recoveries		Result			Acceptance Range						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	130 %			70-130						

Iron by EPA 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
7439-89-6	* Iron	10100		ug/L	11.1	1	EPA 6020B	08/06/2020 12:57	08/06/2020 14:37	BML	
Certifications: CTDOH											

Iron, Dissolved by EPA 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
7439-89-6	* Iron	41.5		ug/L	11.1	1	EPA 6020B	08/12/2020 12:31	08/12/2020 14:00	BML	
Certifications: CTDOH											

Manganese by EPA 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
7439-96-5	Manganese	3290		ug/L	111	100	EPA 6020B	08/06/2020 12:57	08/12/2020 12:05	BML	
Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP											

Manganese, Dissolved by EPA 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
7439-96-5	Manganese	2980		ug/L	111	100	EPA 6020B	08/12/2020 12:31	08/12/2020 14:50	BML	
Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP											



Sample Information

Client Sample ID: MW-08B_080520

York Sample ID: 20H0106-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20H0106

140115301

Water

August 5, 2020 8:45 am

08/05/2020

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	720		mg/L	2.0	1	SM 2320B	08/11/2020 10:20	08/11/2020 13:15	JAG
Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP										

Chemical Oxygen Demand (COD)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Chemical Oxygen Demand (COD)	230		mg/L	10	1	SM 5220 D	08/10/2020 09:03	08/10/2020 13:26	JAG
Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP										

Total Organic Carbon

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	41.6		mg/L	10.0	10	SM 5310C	08/10/2020 08:42	08/12/2020 11:40	JAG
Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP										



Sample Information

Client Sample ID: MW-16B_080520

York Sample ID: 20H0106-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20H0106

140115301

Water

August 5, 2020 9:30 am

08/05/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS
123-91-1	1,4-Dioxane	ND		ug/L	40	80	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS



Sample Information

Client Sample ID: MW-16B_080520

York Sample ID: 20H0106-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20H0106

140115301

Water

August 5, 2020 9:30 am

08/05/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS
71-43-2	Benzene	0.31	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS



Sample Information

Client Sample ID: MW-16B_080520

York Sample ID: 20H0106-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20H0106

140115301

Water

August 5, 2020 9:30 am

08/05/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/07/2020 09:30	08/07/2020 14:05	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/07/2020 09:30	08/07/2020 14:05	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS
127-18-4	Tetrachloroethylene	5.3		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS



Sample Information

Client Sample ID: MW-16B_080520

York Sample ID: 20H0106-03

York Project (SDG) No.
20H0106

Client Project ID
140115301

Matrix
Water

Collection Date/Time
August 5, 2020 9:30 am

Date Received
08/05/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/07/2020 09:30	08/07/2020 14:05	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	110 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	102 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	105 %	79-122								



Sample Information

Client Sample ID: MW-17B_080520

York Sample ID: 20H0106-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20H0106

140115301

Water

August 5, 2020 10:30 am

08/05/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:31	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:31	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:31	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:31	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:31	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:31	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:31	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:31	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:31	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:31	SS
95-63-6	1,2,4-Trimethylbenzene	3.2		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:31	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:31	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:31	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:31	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:31	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:31	SS
108-67-8	1,3,5-Trimethylbenzene	0.75		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:31	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:31	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:31	SS
123-91-1	1,4-Dioxane	ND		ug/L	40	80	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:31	SS
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:31	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:31	SS



Sample Information

Client Sample ID: MW-17B_080520

York Sample ID: 20H0106-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20H0106

140115301

Water

August 5, 2020 10:30 am

08/05/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:31	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:31	SS
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:31	SS
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:31	SS
71-43-2	Benzene	42		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:31	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:31	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:31	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:31	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:31	SS
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:31	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:31	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:31	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:31	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:31	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:31	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:31	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:31	SS
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:31	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:31	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:31	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:31	SS
100-41-4	Ethyl Benzene	11		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:31	SS



Sample Information

Client Sample ID: MW-17B_080520

York Sample ID: 20H0106-04

York Project (SDG) No.

Client Project ID

Matrix

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20H0106

140115301

Water

August 5, 2020 10:30 am

08/05/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:31	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:31	SS
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:31	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	1.3		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:31	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:31	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:31	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:31	SS
103-65-1	n-Propylbenzene	0.60		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:31	SS
95-47-6	o-Xylene	20		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/07/2020 09:30	08/07/2020 14:31	SS
179601-23-1	p- & m- Xylenes	39		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/07/2020 09:30	08/07/2020 14:31	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:31	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:31	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:31	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:31	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:31	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:31	SS
108-88-3	Toluene	110		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/11/2020 12:30	08/12/2020 04:15	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:31	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:31	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:31	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:31	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:31	SS



Sample Information

Client Sample ID: MW-17B_080520

York Sample ID: 20H0106-04

York Project (SDG) No.
20H0106

Client Project ID
140115301

Matrix
Water

Collection Date/Time
August 5, 2020 10:30 am

Date Received
08/05/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1330-20-7	Xylenes, Total	59		ug/L	0.60	1.5	1	EPA 8260C	08/07/2020 09:30	08/07/2020 14:31	SS
									Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	104 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	100 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	106 %	79-122								



Sample Information

Client Sample ID: MW-43_080520

York Sample ID: 20H0106-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20H0106

140115301

Water

August 5, 2020 8:00 am

08/05/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS
123-91-1	1,4-Dioxane	ND		ug/L	40	80	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS



Sample Information

Client Sample ID: MW-43_080520

York Sample ID: 20H0106-05

York Project (SDG) No.

Client Project ID

Matrix

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20H0106

140115301

Water

August 5, 2020 8:00 am

08/05/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS
71-43-2	Benzene	0.37	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS



Sample Information

Client Sample ID: MW-43_080520

York Sample ID: 20H0106-05

York Project (SDG) No.

Client Project ID

Matrix

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20H0106

140115301

Water

August 5, 2020 8:00 am

08/05/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS
108-87-2	Methylcyclohexane	0.29	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/07/2020 09:30	08/07/2020 14:58	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/07/2020 09:30	08/07/2020 14:58	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS
127-18-4	Tetrachloroethylene	3.8		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 14:58	SS



Sample Information

Client Sample ID: MW-43_080520

York Sample ID: 20H0106-05

York Project (SDG) No.

Client Project ID

Matrix

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20H0106

140115301

Water

August 5, 2020 8:00 am

08/05/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	08/07/2020 09:30	08/07/2020 14:58	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
	Surrogate Recoveries	Result									Acceptance Range
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	116 %									69-130
2037-26-5	Surrogate: SURR: Toluene-d8	100 %									81-117
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	103 %									79-122



Sample Information

Client Sample ID: DUP01_080520

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Water

August 5, 2020 12:00 am

08/05/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS
123-91-1	1,4-Dioxane	ND		ug/L	40	80	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS



Sample Information

Client Sample ID: DUP01_080520

York Sample ID: 20H0106-06

York Project (SDG) No.

Client Project ID

Matrix

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20H0106

140115301

Water

August 5, 2020 12:00 am

08/05/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS
71-43-2	Benzene	0.32	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS



Sample Information

Client Sample ID: DUP01_080520

York Sample ID: 20H0106-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20H0106

140115301

Water

August 5, 2020 12:00 am

08/05/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/07/2020 09:30	08/07/2020 15:25	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/07/2020 09:30	08/07/2020 15:25	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS
127-18-4	Tetrachloroethylene	4.1		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:25	SS



Sample Information

Client Sample ID: DUP01_080520

York Sample ID: 20H0106-06

York Project (SDG) No.
20H0106

Client Project ID
140115301

Matrix
Water

Collection Date/Time
August 5, 2020 12:00 am

Date Received
08/05/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	08/07/2020 09:30	08/07/2020 15:25	SS
									Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	123 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	103 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	104 %	79-122								



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 20H0106-07

York Project (SDG) No.

Client Project ID

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20H0106

140115301

Water

August 5, 2020 12:00 am

08/05/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS
123-91-1	1,4-Dioxane	ND		ug/L	40	80	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 20H0106-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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20H0106

140115301

Water

August 5, 2020 12:00 am

08/05/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 20H0106-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20H0106

140115301

Water

August 5, 2020 12:00 am

08/05/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/07/2020 09:30	08/07/2020 15:51	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/07/2020 09:30	08/07/2020 15:51	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	08/07/2020 09:30	08/07/2020 15:51	SS



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 20H0106-07

York Project (SDG) No.
20H0106

Client Project ID
140115301

Matrix
Water

Collection Date/Time
August 5, 2020 12:00 am

Date Received
08/05/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	08/07/2020 09:30	08/07/2020 15:51	SS
									Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	111 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	104 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	98.8 %	79-122								



Analytical Batch Summary

Batch ID: BH00274 **Preparation Method:** EPA 3015A **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
20H0106-02	MW-08B_080520	08/06/20
20H0106-02RE1	MW-08B_080520	08/06/20
BH00274-BLK1	Blank	08/06/20
BH00274-BS1	LCS	08/06/20

Batch ID: BH00340 **Preparation Method:** EPA 5030B **Prepared By:** AH

YORK Sample ID	Client Sample ID	Preparation Date
20H0106-01	MW-07B_080520	08/07/20
20H0106-03	MW-16B_080520	08/07/20
20H0106-04	MW-17B_080520	08/07/20
20H0106-05	MW-43_080520	08/07/20
20H0106-06	DUP01_080520	08/07/20
20H0106-07	Trip Blank	08/07/20
BH00340-BLK1	Blank	08/07/20
BH00340-BS1	LCS	08/07/20
BH00340-BSD1	LCS Dup	08/07/20

Batch ID: BH00415 **Preparation Method:** Analysis Preparation **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
20H0106-02	MW-08B_080520	08/10/20
BH00415-BLK1	Blank	08/10/20
BH00415-BS1	LCS	08/10/20

Batch ID: BH00420 **Preparation Method:** Analysis Preparation **Prepared By:** JAG

YORK Sample ID	Client Sample ID	Preparation Date
20H0106-02	MW-08B_080520	08/10/20
BH00420-BLK1	Blank	08/10/20
BH00420-BS1	LCS	08/10/20

Batch ID: BH00511 **Preparation Method:** EPA 5030B **Prepared By:** LM

YORK Sample ID	Client Sample ID	Preparation Date
20H0106-02	MW-08B_080520	08/11/20
BH00511-BLK1	Blank	08/11/20
BH00511-BS1	LCS	08/11/20
BH00511-BSD1	LCS Dup	08/11/20

Batch ID: BH00517 **Preparation Method:** EPA 5030B **Prepared By:** LM



YORK Sample ID	Client Sample ID	Preparation Date
20H0106-04RE1	MW-17B_080520	08/11/20
BH00517-BLK1	Blank	08/11/20
BH00517-BS1	LCS	08/11/20
BH00517-BSD1	LCS Dup	08/11/20

Batch ID: BH00519 **Preparation Method:** Analysis Preparation **Prepared By:** JAG

YORK Sample ID	Client Sample ID	Preparation Date
20H0106-02	MW-08B_080520	08/11/20
BH00519-SRM1	Reference	08/11/20

Batch ID: BH00564 **Preparation Method:** EPA 5030B **Prepared By:** LM

YORK Sample ID	Client Sample ID	Preparation Date
20H0106-02	MW-08B_080520	08/11/20
BH00564-BLK1	Blank	08/11/20
BH00564-DUP1	Duplicate	08/11/20
BH00564-MS1	Matrix Spike	08/11/20
BH00564-SRM1	Reference	08/11/20

Batch ID: BH00633 **Preparation Method:** EPA 3015A **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
20H0106-02	MW-08B_080520	08/12/20
20H0106-02RE1	MW-08B_080520	08/12/20
BH00633-BLK1	Blank	08/12/20
BH00633-BS1	LCS	08/12/20



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH00340 - EPA 5030B

Blank (BH00340-BLK1)	Blank										
											Prepared & Analyzed: 08/07/2020
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	80	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	1.2	2.0	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH00340 - EPA 5030B

Blank (BH00340-BLK1)	Blank	Prepared & Analyzed: 08/07/2020									
n-Butylbenzene	ND	0.50	ug/L								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
<hr/>											
<i>Surrogate: SURRE: 1,2-Dichloroethane-d4</i>	<i>11.7</i>		<i>"</i>	<i>10.0</i>		<i>117</i>	<i>69-130</i>				
<i>Surrogate: SURRE: Toluene-d8</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>	<i>81-117</i>				
<i>Surrogate: SURRE: p-Bromofluorobenzene</i>	<i>10.3</i>		<i>"</i>	<i>10.0</i>		<i>103</i>	<i>79-122</i>				

LCS (BH00340-BS1)	LCS	Prepared & Analyzed: 08/07/2020									
1,1,1,2-Tetrachloroethane	9.4		ug/L	10.0		94.2	82-126				
1,1,1-Trichloroethane	10		"	10.0		100	78-136				
1,1,2,2-Tetrachloroethane	8.4		"	10.0		84.4	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10		"	10.0		104	54-165				
1,1,2-Trichloroethane	8.5		"	10.0		85.4	82-123				
1,1-Dichloroethane	9.3		"	10.0		93.4	82-129				
1,1-Dichloroethylene	12		"	10.0		115	68-138				
1,2,3-Trichlorobenzene	8.4		"	10.0		83.5	76-136				
1,2,3-Trichloropropane	8.3		"	10.0		83.3	77-128				
1,2,4-Trichlorobenzene	8.7		"	10.0		87.1	76-137				
1,2,4-Trimethylbenzene	9.2		"	10.0		91.5	82-132				
1,2-Dibromo-3-chloropropane	7.6		"	10.0		76.5	45-147				
1,2-Dibromoethane	8.8		"	10.0		88.1	83-124				
1,2-Dichlorobenzene	9.0		"	10.0		90.5	79-123				
1,2-Dichloroethane	9.9		"	10.0		98.9	73-132				
1,2-Dichloropropane	9.6		"	10.0		96.0	78-126				
1,3,5-Trimethylbenzene	9.1		"	10.0		91.1	80-131				
1,3-Dichlorobenzene	8.7		"	10.0		87.1	86-122				
1,4-Dichlorobenzene	9.0		"	10.0		89.5	85-124				
1,4-Dioxane	170		"	210		83.3	10-349				
2-Butanone	9.4		"	10.0		93.5	49-152				
2-Hexanone	9.2		"	10.0		91.6	51-146				
4-Methyl-2-pentanone	7.6		"	10.0		75.8	57-145				
Acetone	10		"	10.0		104	14-150				
Acrolein	7.9		"	10.0		79.3	10-153				
Acrylonitrile	8.0		"	10.0		79.8	51-150				
Benzene	9.0		"	10.0		90.2	85-126				
Bromochloromethane	10		"	10.0		104	77-128				
Bromodichloromethane	10		"	10.0		99.7	79-128				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH00340 - EPA 5030B

LCS (BH00340-BS1)	LCS	Prepared & Analyzed: 08/07/2020											
Bromoform	8.1		ug/L	10.0		80.7		78-133					
Bromomethane	11		"	10.0		114		43-168					
Carbon disulfide	9.3		"	10.0		93.4		68-146					
Carbon tetrachloride	9.9		"	10.0		98.7		77-141					
Chlorobenzene	9.1		"	10.0		91.4		88-120					
Chloroethane	12		"	10.0		115		65-136					
Chloroform	9.4		"	10.0		94.4		82-128					
Chloromethane	14		"	10.0		137		43-155					
cis-1,2-Dichloroethylene	9.8		"	10.0		98.1		83-129					
cis-1,3-Dichloropropylene	9.6		"	10.0		96.3		80-131					
Cyclohexane	11		"	10.0		108		63-149					
Dibromochloromethane	9.4		"	10.0		94.1		80-130					
Dibromomethane	9.5		"	10.0		95.1		72-134					
Dichlorodifluoromethane	18		"	10.0		182		44-144	High Bias				
Ethyl Benzene	9.5		"	10.0		95.3		80-131					
Hexachlorobutadiene	9.0		"	10.0		90.5		67-146					
Isopropylbenzene	8.9		"	10.0		89.2		76-140					
Methyl acetate	8.6		"	10.0		86.0		51-139					
Methyl tert-butyl ether (MTBE)	8.9		"	10.0		89.3		76-135					
Methylcyclohexane	9.7		"	10.0		97.0		72-143					
Methylene chloride	11		"	10.0		109		55-137					
n-Butylbenzene	13		"	10.0		125		79-132					
n-Propylbenzene	9.1		"	10.0		90.6		78-133					
o-Xylene	9.0		"	10.0		90.5		78-130					
p- & m- Xylenes	19		"	20.0		93.6		77-133					
p-Isopropyltoluene	9.5		"	10.0		95.1		81-136					
sec-Butylbenzene	10		"	10.0		101		79-137					
Styrene	9.2		"	10.0		91.5		67-132					
tert-Butyl alcohol (TBA)	56		"	50.0		111		25-162					
tert-Butylbenzene	8.3		"	10.0		83.2		77-138					
Tetrachloroethylene	9.1		"	10.0		91.4		82-131					
Toluene	9.5		"	10.0		95.0		80-127					
trans-1,2-Dichloroethylene	10		"	10.0		102		80-132					
trans-1,3-Dichloropropylene	9.4		"	10.0		93.6		78-131					
Trichloroethylene	9.8		"	10.0		98.1		82-128					
Trichlorofluoromethane	11		"	10.0		113		67-139					
Vinyl Chloride	12		"	10.0		125		58-145					
Surrogate: SURRE: 1,2-Dichloroethane-d4	10.8		"	10.0		108		69-130					
Surrogate: SURRE: Toluene-d8	10.2		"	10.0		102		81-117					
Surrogate: SURRE: p-Bromofluorobenzene	8.92		"	10.0		89.2		79-122					



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH00340 - EPA 5030B											
LCS Dup (BH00340-BSD1)	LCS Dup										Prepared & Analyzed: 08/07/2020
1,1,1,2-Tetrachloroethane	9.5		ug/L	10.0		95.1	82-126		0.951	30	
1,1,1-Trichloroethane	10		"	10.0		102	78-136		2.08	30	
1,1,2,2-Tetrachloroethane	9.3		"	10.0		93.2	76-129		9.91	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		106	54-165		1.62	30	
1,1,2-Trichloroethane	9.4		"	10.0		94.3	82-123		9.91	30	
1,1-Dichloroethane	9.5		"	10.0		95.3	82-129		2.01	30	
1,1-Dichloroethylene	12		"	10.0		116	68-138		0.347	30	
1,2,3-Trichlorobenzene	9.2		"	10.0		91.8	76-136		9.47	30	
1,2,3-Trichloropropane	9.9		"	10.0		98.8	77-128		17.0	30	
1,2,4-Trichlorobenzene	9.2		"	10.0		92.3	76-137		5.80	30	
1,2,4-Trimethylbenzene	9.3		"	10.0		92.6	82-132		1.20	30	
1,2-Dibromo-3-chloropropane	11		"	10.0		106	45-147		32.2	30	Non-dir.
1,2-Dibromoethane	9.7		"	10.0		97.1	83-124		9.72	30	
1,2-Dichlorobenzene	9.5		"	10.0		94.6	79-123		4.43	30	
1,2-Dichloroethane	10		"	10.0		105	73-132		5.79	30	
1,2-Dichloropropane	9.8		"	10.0		97.8	78-126		1.86	30	
1,3,5-Trimethylbenzene	9.1		"	10.0		90.8	80-131		0.330	30	
1,3-Dichlorobenzene	9.0		"	10.0		89.8	86-122		3.05	30	
1,4-Dichlorobenzene	9.2		"	10.0		92.1	85-124		2.86	30	
1,4-Dioxane	180		"	210		87.1	10-349		4.53	30	
2-Butanone	11		"	10.0		112	49-152		18.3	30	
2-Hexanone	10		"	10.0		103	51-146		11.3	30	
4-Methyl-2-pentanone	8.6		"	10.0		85.5	57-145		12.0	30	
Acetone	11		"	10.0		111	14-150		6.51	30	
Acrolein	7.6		"	10.0		76.4	10-153		3.73	30	
Acrylonitrile	10		"	10.0		102	51-150		24.3	30	
Benzene	9.4		"	10.0		94.2	85-126		4.34	30	
Bromochloromethane	11		"	10.0		110	77-128		5.51	30	
Bromodichloromethane	10		"	10.0		103	79-128		3.16	30	
Bromoform	8.6		"	10.0		86.1	78-133		6.47	30	
Bromomethane	12		"	10.0		116	43-168		1.30	30	
Carbon disulfide	9.1		"	10.0		90.9	68-146		2.71	30	
Carbon tetrachloride	9.9		"	10.0		99.4	77-141		0.707	30	
Chlorobenzene	9.3		"	10.0		92.9	88-120		1.63	30	
Chloroethane	12		"	10.0		115	65-136		0.174	30	
Chloroform	9.7		"	10.0		96.9	82-128		2.61	30	
Chloromethane	14		"	10.0		136	43-155		0.951	30	
cis-1,2-Dichloroethylene	9.9		"	10.0		99.3	83-129		1.22	30	
cis-1,3-Dichloropropylene	9.9		"	10.0		98.9	80-131		2.66	30	
Cyclohexane	11		"	10.0		107	63-149		1.02	30	
Dibromochloromethane	10		"	10.0		99.8	80-130		5.88	30	
Dibromomethane	10		"	10.0		104	72-134		9.04	30	
Dichlorodifluoromethane	19		"	10.0		185	44-144	High Bias	1.96	30	
Ethyl Benzene	9.4		"	10.0		93.9	80-131		1.48	30	
Hexachlorobutadiene	9.1		"	10.0		90.9	67-146		0.441	30	
Isopropylbenzene	9.0		"	10.0		89.6	76-140		0.447	30	
Methyl acetate	10		"	10.0		101	51-139		15.9	30	
Methyl tert-butyl ether (MTBE)	10		"	10.0		100	76-135		11.3	30	
Methylcyclohexane	9.3		"	10.0		93.2	72-143		4.00	30	
Methylene chloride	12		"	10.0		119	55-137		8.42	30	
n-Butylbenzene	12		"	10.0		124	79-132		1.21	30	



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

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	Flag
		Limit			Result					RPD	
Batch BH00340 - EPA 5030B											
LCS Dup (BH00340-BSD1)	LCS Dup	Prepared & Analyzed: 08/07/2020									
n-Propylbenzene	9.1		ug/L	10.0		90.7	78-133			0.110	30
o-Xylene	8.9		"	10.0		89.2	78-130			1.45	30
p- & m- Xylenes	19		"	20.0		93.1	77-133			0.589	30
p-Isopropyltoluene	9.5		"	10.0		95.1	81-136			0.00	30
sec-Butylbenzene	10		"	10.0		100	79-137			0.993	30
Styrene	9.4		"	10.0		93.7	67-132			2.38	30
tert-Butyl alcohol (TBA)	68		"	50.0		135	25-162			19.5	30
tert-Butylbenzene	8.2		"	10.0		82.1	77-138			1.33	30
Tetrachloroethylene	8.8		"	10.0		87.9	82-131			3.90	30
Toluene	9.5		"	10.0		94.7	80-127			0.316	30
trans-1,2-Dichloroethylene	10		"	10.0		103	80-132			1.46	30
trans-1,3-Dichloropropylene	10		"	10.0		100	78-131			7.11	30
Trichloroethylene	9.8		"	10.0		98.0	82-128			0.102	30
Trichlorofluoromethane	12		"	10.0		118	67-139			4.23	30
Vinyl Chloride	12		"	10.0		116	58-145			6.96	30
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>11.4</i>		<i>"</i>	<i>10.0</i>		<i>114</i>	<i>69-130</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>10.3</i>		<i>"</i>	<i>10.0</i>		<i>103</i>	<i>81-117</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>9.15</i>		<i>"</i>	<i>10.0</i>		<i>91.5</i>	<i>79-122</i>				

Batch BH00511 - EPA 5030B											
Blank (BH00511-BLK1)	Blank	Prepared & Analyzed: 08/11/2020									
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	80	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH00511 - EPA 5030B

Blank (BH00511-BLK1) Blank Prepared & Analyzed: 08/11/2020

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

Surrogate: SURRE: 1,2-Dichloroethane-d4	12.3		"	10.0		123	69-130				
Surrogate: SURRE: Toluene-d8	9.86		"	10.0		98.6	81-117				
Surrogate: SURRE: p-Bromofluorobenzene	10.1		"	10.0		101	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Spike	Source*	%REC	%REC	Limits	Flag	RPD	
		Limit							Units	Level
Batch BH00511 - EPA 5030B										
LCS (BH00511-BS1)	LCS	Prepared & Analyzed: 08/11/2020								
1,1,1,2-Tetrachloroethane	9.2		ug/L	10.0		92.5	82-126			
1,1,1-Trichloroethane	11		"	10.0		111	78-136			
1,1,2,2-Tetrachloroethane	8.3		"	10.0		83.4	76-129			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12		"	10.0		118	54-165			
1,1,2-Trichloroethane	9.1		"	10.0		91.1	82-123			
1,1-Dichloroethane	9.8		"	10.0		97.5	82-129			
1,1-Dichloroethylene	12		"	10.0		125	68-138			
1,2,3-Trichlorobenzene	8.5		"	10.0		84.6	76-136			
1,2,3-Trichloropropane	8.6		"	10.0		86.3	77-128			
1,2,4-Trichlorobenzene	8.6		"	10.0		86.3	76-137			
1,2,4-Trimethylbenzene	9.0		"	10.0		89.7	82-132			
1,2-Dibromo-3-chloropropane	9.7		"	10.0		96.7	45-147			
1,2-Dibromoethane	9.2		"	10.0		92.3	83-124			
1,2-Dichlorobenzene	8.8		"	10.0		88.0	79-123			
1,2-Dichloroethane	11		"	10.0		106	73-132			
1,2-Dichloropropane	9.6		"	10.0		95.7	78-126			
1,3,5-Trimethylbenzene	8.9		"	10.0		89.1	80-131			
1,3-Dichlorobenzene	8.7		"	10.0		87.0	86-122			
1,4-Dichlorobenzene	8.7		"	10.0		86.8	85-124			
1,4-Dioxane	180		"	210		84.9	10-349			
2-Butanone	10		"	10.0		105	49-152			
2-Hexanone	9.6		"	10.0		95.6	51-146			
4-Methyl-2-pentanone	7.5		"	10.0		75.3	57-145			
Acetone	7.3		"	10.0		73.0	14-150			
Acrolein	5.8		"	10.0		58.4	10-153			
Acrylonitrile	9.9		"	10.0		98.8	51-150			
Benzene	9.8		"	10.0		98.2	85-126			
Bromochloromethane	11		"	10.0		108	77-128			
Bromodichloromethane	10		"	10.0		101	79-128			
Bromoform	8.3		"	10.0		83.3	78-133			
Bromomethane	8.1		"	10.0		80.8	43-168			
Carbon disulfide	10		"	10.0		103	68-146			
Carbon tetrachloride	11		"	10.0		110	77-141			
Chlorobenzene	9.0		"	10.0		90.5	88-120			
Chloroethane	12		"	10.0		123	65-136			
Chloroform	9.9		"	10.0		98.8	82-128			
Chloromethane	15		"	10.0		149	43-155			
cis-1,2-Dichloroethylene	10		"	10.0		103	83-129			
cis-1,3-Dichloropropylene	9.6		"	10.0		96.0	80-131			
Cyclohexane	12		"	10.0		122	63-149			
Dibromochloromethane	9.6		"	10.0		96.4	80-130			
Dibromomethane	9.3		"	10.0		93.3	72-134			
Dichlorodifluoromethane	23		"	10.0		226	44-144	High Bias		
Ethyl Benzene	9.5		"	10.0		94.8	80-131			
Hexachlorobutadiene	9.4		"	10.0		93.9	67-146			
Isopropylbenzene	8.8		"	10.0		88.0	76-140			
Methyl acetate	9.1		"	10.0		91.0	51-139			
Methyl tert-butyl ether (MTBE)	10		"	10.0		101	76-135			
Methylcyclohexane	10		"	10.0		102	72-143			
Methylene chloride	11		"	10.0		105	55-137			
n-Butylbenzene	12		"	10.0		122	79-132			



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH00511 - EPA 5030B											
LCS (BH00511-BS1)	LCS										Prepared & Analyzed: 08/11/2020
n-Propylbenzene	8.9		ug/L	10.0		88.9	78-133				
o-Xylene	9.0		"	10.0		89.6	78-130				
p- & m- Xylenes	19		"	20.0		92.6	77-133				
p-Isopropyltoluene	9.5		"	10.0		95.2	81-136				
sec-Butylbenzene	10		"	10.0		101	79-137				
Styrene	9.2		"	10.0		91.7	67-132				
tert-Butyl alcohol (TBA)	72		"	50.0		144	25-162				
tert-Butylbenzene	8.3		"	10.0		83.4	77-138				
Tetrachloroethylene	9.0		"	10.0		90.0	82-131				
Toluene	9.4		"	10.0		94.3	80-127				
trans-1,2-Dichloroethylene	11		"	10.0		113	80-132				
trans-1,3-Dichloropropylene	9.4		"	10.0		93.9	78-131				
Trichloroethylene	9.9		"	10.0		98.9	82-128				
Trichlorofluoromethane	14		"	10.0		137	67-139				
Vinyl Chloride	14		"	10.0		144	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	11.2		"	10.0		112	69-130				
Surrogate: SURR: Toluene-d8	10.2		"	10.0		102	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.18		"	10.0		91.8	79-122				
LCS Dup (BH00511-BSD1)	LCS Dup										Prepared & Analyzed: 08/11/2020
1,1,1,2-Tetrachloroethane	9.4		ug/L	10.0		93.8	82-126		1.40	30	
1,1,1-Trichloroethane	11		"	10.0		108	78-136		2.38	30	
1,1,2,2-Tetrachloroethane	9.2		"	10.0		91.5	76-129		9.26	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		115	54-165		3.35	30	
1,1,2-Trichloroethane	9.6		"	10.0		96.5	82-123		5.76	30	
1,1-Dichloroethane	9.8		"	10.0		98.4	82-129		0.919	30	
1,1-Dichloroethylene	12		"	10.0		121	68-138		3.01	30	
1,2,3-Trichlorobenzene	9.5		"	10.0		94.7	76-136		11.3	30	
1,2,3-Trichloropropane	10		"	10.0		99.9	77-128		14.6	30	
1,2,4-Trichlorobenzene	9.2		"	10.0		92.1	76-137		6.50	30	
1,2,4-Trimethylbenzene	8.8		"	10.0		88.0	82-132		1.91	30	
1,2-Dibromo-3-chloropropane	11		"	10.0		113	45-147		15.5	30	
1,2-Dibromoethane	9.9		"	10.0		99.4	83-124		7.41	30	
1,2-Dichlorobenzene	9.0		"	10.0		89.5	79-123		1.69	30	
1,2-Dichloroethane	11		"	10.0		110	73-132		3.60	30	
1,2-Dichloropropane	9.5		"	10.0		94.8	78-126		0.945	30	
1,3,5-Trimethylbenzene	8.6		"	10.0		85.7	80-131		3.89	30	
1,3-Dichlorobenzene	8.4		"	10.0		84.5	86-122	Low Bias	2.92	30	
1,4-Dichlorobenzene	8.6		"	10.0		86.5	85-124		0.346	30	
1,4-Dioxane	190		"	210		88.7	10-349		4.36	30	
2-Butanone	12		"	10.0		117	49-152		11.3	30	
2-Hexanone	11		"	10.0		109	51-146		13.2	30	
4-Methyl-2-pentanone	8.6		"	10.0		86.4	57-145		13.7	30	
Acetone	1.8		"	10.0		17.9	14-150		121	30	Non-dir.
Acrolein	5.8		"	10.0		58.5	10-153		0.171	30	
Acrylonitrile	11		"	10.0		113	51-150		13.6	30	
Benzene	9.8		"	10.0		97.8	85-126		0.408	30	
Bromochloromethane	11		"	10.0		114	77-128		5.12	30	
Bromodichloromethane	10		"	10.0		102	79-128		1.08	30	
Bromoform	8.8		"	10.0		88.1	78-133		5.60	30	
Bromomethane	9.0		"	10.0		89.8	43-168		10.6	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH00511 - EPA 5030B											
LCS Dup (BH00511-bsd1)	LCS Dup	Prepared & Analyzed: 08/11/2020									
Carbon disulfide	10		ug/L	10.0		102	68-146		0.972	30	
Carbon tetrachloride	11		"	10.0		109	77-141		0.547	30	
Chlorobenzene	9.0		"	10.0		89.7	88-120		0.888	30	
Chloroethane	11		"	10.0		111	65-136		10.5	30	
Chloroform	10		"	10.0		102	82-128		3.68	30	
Chloromethane	15		"	10.0		149	43-155		0.134	30	
cis-1,2-Dichloroethylene	10		"	10.0		104	83-129		1.16	30	
cis-1,3-Dichloropropylene	10		"	10.0		99.7	80-131		3.78	30	
Cyclohexane	12		"	10.0		117	63-149		3.85	30	
Dibromochloromethane	10		"	10.0		102	80-130		6.13	30	
Dibromomethane	10		"	10.0		100	72-134		7.03	30	
Dichlorodifluoromethane	22		"	10.0		220	44-144	High Bias	2.64	30	
Ethyl Benzene	9.2		"	10.0		91.9	80-131		3.11	30	
Hexachlorobutadiene	9.4		"	10.0		93.6	67-146		0.320	30	
Isopropylbenzene	8.5		"	10.0		84.9	76-140		3.59	30	
Methyl acetate	11		"	10.0		105	51-139		14.7	30	
Methyl tert-butyl ether (MTBE)	11		"	10.0		111	76-135		9.69	30	
Methylcyclohexane	9.8		"	10.0		98.1	72-143		3.41	30	
Methylene chloride	11		"	10.0		106	55-137		0.379	30	
n-Butylbenzene	12		"	10.0		118	79-132		3.09	30	
n-Propylbenzene	8.5		"	10.0		85.3	78-133		4.13	30	
o-Xylene	8.8		"	10.0		88.1	78-130		1.69	30	
p- & m- Xylenes	18		"	20.0		90.6	77-133		2.18	30	
p-Isopropyltoluene	9.1		"	10.0		90.8	81-136		4.73	30	
sec-Butylbenzene	9.6		"	10.0		96.2	79-137		4.47	30	
Styrene	9.3		"	10.0		93.0	67-132		1.41	30	
tert-Butyl alcohol (TBA)	32		"	50.0		64.6	25-162		76.4	30	Non-dir.
tert-Butylbenzene	7.9		"	10.0		79.2	77-138		5.17	30	
Tetrachloroethylene	8.8		"	10.0		88.4	82-131		1.79	30	
Toluene	9.1		"	10.0		91.3	80-127		3.23	30	
trans-1,2-Dichloroethylene	11		"	10.0		108	80-132		4.52	30	
trans-1,3-Dichloropropylene	9.9		"	10.0		99.3	78-131		5.59	30	
Trichloroethylene	9.6		"	10.0		95.8	82-128		3.18	30	
Trichlorofluoromethane	13		"	10.0		131	67-139		4.18	30	
Vinyl Chloride	14		"	10.0		138	58-145		4.25	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	11.9		"	10.0		119	69-130				
Surrogate: SURR: Toluene-d8	9.54		"	10.0		95.4	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.05		"	10.0		90.5	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH00517 - EPA 5030B

Blank (BH00517-BLK1) Blank

Prepared: 08/11/2020 Analyzed: 08/12/2020

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	80	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH00517 - EPA 5030B

Blank (BH00517-BLK1) Blank Prepared: 08/11/2020 Analyzed: 08/12/2020

n-Propylbenzene	ND	0.50	ug/L								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								

<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>11.9</i>		<i>"</i>	<i>10.0</i>	<i>119</i>	<i>69-130</i>					
<i>Surrogate: SURR: Toluene-d8</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>	<i>101</i>	<i>81-117</i>					
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>	<i>101</i>	<i>79-122</i>					

LCS (BH00517-BS1) LCS Prepared & Analyzed: 08/11/2020

1,1,1,2-Tetrachloroethane	11		ug/L	10.0	110	82-126					
1,1,1-Trichloroethane	13		"	10.0	125	78-136					
1,1,2,2-Tetrachloroethane	9.7		"	10.0	96.6	76-129					
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	13		"	10.0	131	54-165					
1,1,2-Trichloroethane	11		"	10.0	110	82-123					
1,1-Dichloroethane	11		"	10.0	113	82-129					
1,1-Dichloroethylene	14		"	10.0	142	68-138	High Bias				
1,2,3-Trichlorobenzene	10		"	10.0	102	76-136					
1,2,3-Trichloropropane	10		"	10.0	100	77-128					
1,2,4-Trichlorobenzene	10		"	10.0	101	76-137					
1,2,4-Trimethylbenzene	9.8		"	10.0	97.8	82-132					
1,2-Dibromo-3-chloropropane	11		"	10.0	112	45-147					
1,2-Dibromoethane	11		"	10.0	110	83-124					
1,2-Dichlorobenzene	10		"	10.0	101	79-123					
1,2-Dichloroethane	12		"	10.0	124	73-132					
1,2-Dichloropropane	11		"	10.0	112	78-126					
1,3,5-Trimethylbenzene	9.7		"	10.0	97.3	80-131					
1,3-Dichlorobenzene	9.6		"	10.0	95.6	86-122					
1,4-Dichlorobenzene	9.8		"	10.0	97.7	85-124					
1,4-Dioxane	400		"	210	192	10-349					
2-Butanone	14		"	10.0	137	49-152					
2-Hexanone	13		"	10.0	127	51-146					
4-Methyl-2-pentanone	9.6		"	10.0	95.9	57-145					
Acetone	10		"	10.0	104	14-150					
Acrolein	5.5		"	10.0	55.0	10-153					
Acrylonitrile	13		"	10.0	130	51-150					
Benzene	11		"	10.0	111	85-126					
Bromochloromethane	13		"	10.0	127	77-128					
Bromodichloromethane	12		"	10.0	116	79-128					
Bromoform	10		"	10.0	101	78-133					



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	
		Limit								RPD	Limit
Batch BH00517 - EPA 5030B											
LCS (BH00517-BS1)	LCS	Prepared & Analyzed: 08/11/2020									
Bromomethane	11		ug/L	10.0		114		43-168			
Carbon disulfide	12		"	10.0		118		68-146			
Carbon tetrachloride	13		"	10.0		130		77-141			
Chlorobenzene	11		"	10.0		106		88-120			
Chloroethane	14		"	10.0		142		65-136	High Bias		
Chloroform	12		"	10.0		118		82-128			
Chloromethane	14		"	10.0		144		43-155			
cis-1,2-Dichloroethylene	12		"	10.0		116		83-129			
cis-1,3-Dichloropropylene	11		"	10.0		110		80-131			
Cyclohexane	14		"	10.0		138		63-149			
Dibromochloromethane	12		"	10.0		118		80-130			
Dibromomethane	12		"	10.0		121		72-134			
Dichlorodifluoromethane	23		"	10.0		229		44-144	High Bias		
Ethyl Benzene	11		"	10.0		108		80-131			
Hexachlorobutadiene	11		"	10.0		107		67-146			
Isopropylbenzene	9.6		"	10.0		96.0		76-140			
Methyl acetate	11		"	10.0		110		51-139			
Methyl tert-butyl ether (MTBE)	12		"	10.0		119		76-135			
Methylcyclohexane	12		"	10.0		116		72-143			
Methylene chloride	12		"	10.0		120		55-137			
n-Butylbenzene	13		"	10.0		133		79-132	High Bias		
n-Propylbenzene	9.6		"	10.0		96.0		78-133			
o-Xylene	10		"	10.0		104		78-130			
p- & m- Xylenes	21		"	20.0		107		77-133			
p-Isopropyltoluene	10		"	10.0		104		81-136			
sec-Butylbenzene	11		"	10.0		110		79-137			
Styrene	11		"	10.0		108		67-132			
tert-Butyl alcohol (TBA)	100		"	50.0		200		25-162	High Bias		
tert-Butylbenzene	9.1		"	10.0		91.2		77-138			
Tetrachloroethylene	10		"	10.0		105		82-131			
Toluene	11		"	10.0		109		80-127			
trans-1,2-Dichloroethylene	12		"	10.0		122		80-132			
trans-1,3-Dichloropropylene	11		"	10.0		113		78-131			
Trichloroethylene	12		"	10.0		116		82-128			
Trichlorofluoromethane	15		"	10.0		151		67-139	High Bias		
Vinyl Chloride	15		"	10.0		152		58-145	High Bias		
Surrogate: SURR: 1,2-Dichloroethane-d4	11.7		"	10.0		117		69-130			
Surrogate: SURR: Toluene-d8	9.88		"	10.0		98.8		81-117			
Surrogate: SURR: p-Bromofluorobenzene	8.69		"	10.0		86.9		79-122			



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH00517 - EPA 5030B											
LCS Dup (BH00517-BSD1)	LCS Dup		Prepared & Analyzed: 08/11/2020								
1,1,1,2-Tetrachloroethane	9.7		ug/L	10.0		96.8	82-126		12.5	30	
1,1,1-Trichloroethane	11		"	10.0		109	78-136		13.5	30	
1,1,2,2-Tetrachloroethane	9.0		"	10.0		90.3	76-129		6.74	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		114	54-165		14.6	30	
1,1,2-Trichloroethane	9.2		"	10.0		91.9	82-123		18.0	30	
1,1-Dichloroethane	9.9		"	10.0		99.2	82-129		13.1	30	
1,1-Dichloroethylene	12		"	10.0		123	68-138		14.5	30	
1,2,3-Trichlorobenzene	9.2		"	10.0		92.4	76-136		10.4	30	
1,2,3-Trichloropropane	9.3		"	10.0		93.2	77-128		7.44	30	
1,2,4-Trichlorobenzene	8.8		"	10.0		88.5	76-137		12.8	30	
1,2,4-Trimethylbenzene	8.5		"	10.0		84.7	82-132		14.4	30	
1,2-Dibromo-3-chloropropane	9.6		"	10.0		95.6	45-147		15.4	30	
1,2-Dibromoethane	9.9		"	10.0		99.4	83-124		9.94	30	
1,2-Dichlorobenzene	9.0		"	10.0		89.9	79-123		12.0	30	
1,2-Dichloroethane	11		"	10.0		112	73-132		10.3	30	
1,2-Dichloropropane	9.6		"	10.0		95.5	78-126		15.8	30	
1,3,5-Trimethylbenzene	8.3		"	10.0		83.0	80-131		15.9	30	
1,3-Dichlorobenzene	8.4		"	10.0		84.5	86-122	Low Bias	12.3	30	
1,4-Dichlorobenzene	8.6		"	10.0		86.0	85-124		12.7	30	
1,4-Dioxane	130		"	210		63.1	10-349		101	30	Non-dir.
2-Butanone	11		"	10.0		111	49-152		21.1	30	
2-Hexanone	11		"	10.0		114	51-146		10.8	30	
4-Methyl-2-pentanone	8.5		"	10.0		85.0	57-145		12.1	30	
Acetone	11		"	10.0		114	14-150		9.17	30	
Acrolein	0.36		"	10.0		3.60	10-153	Low Bias	175	30	Non-dir.
Acrylonitrile	11		"	10.0		113	51-150		13.5	30	
Benzene	9.6		"	10.0		96.3	85-126		14.3	30	
Bromochloromethane	12		"	10.0		115	77-128		9.91	30	
Bromodichloromethane	10		"	10.0		103	79-128		12.3	30	
Bromoform	8.9		"	10.0		89.4	78-133		12.4	30	
Bromomethane	9.8		"	10.0		97.6	43-168		15.9	30	
Carbon disulfide	9.9		"	10.0		98.7	68-146		18.2	30	
Carbon tetrachloride	11		"	10.0		108	77-141		18.3	30	
Chlorobenzene	8.9		"	10.0		89.0	88-120		17.1	30	
Chloroethane	12		"	10.0		118	65-136		18.6	30	
Chloroform	10		"	10.0		104	82-128		13.2	30	
Chloromethane	12		"	10.0		123	43-155		15.4	30	
cis-1,2-Dichloroethylene	10		"	10.0		102	83-129		13.6	30	
cis-1,3-Dichloropropylene	9.5		"	10.0		94.9	80-131		14.9	30	
Cyclohexane	12		"	10.0		118	63-149		15.6	30	
Dibromochloromethane	10		"	10.0		104	80-130		12.1	30	
Dibromomethane	10		"	10.0		99.5	72-134		19.3	30	
Dichlorodifluoromethane	21		"	10.0		208	44-144	High Bias	9.46	30	
Ethyl Benzene	9.2		"	10.0		91.6	80-131		16.6	30	
Hexachlorobutadiene	8.9		"	10.0		88.6	67-146		18.6	30	
Isopropylbenzene	8.3		"	10.0		83.1	76-140		14.4	30	
Methyl acetate	9.7		"	10.0		97.4	51-139		12.6	30	
Methyl tert-butyl ether (MTBE)	11		"	10.0		109	76-135		9.47	30	
Methylcyclohexane	9.8		"	10.0		98.3	72-143		16.7	30	
Methylene chloride	10		"	10.0		105	55-137		13.5	30	
n-Butylbenzene	11		"	10.0		115	79-132		14.7	30	



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

Analyte	Result	Reporting	Units	Spike Level	Source*	%REC	Flag	RPD		
		Limit			Result	Limits		RPD	Limit	Flag
Batch BH00517 - EPA 5030B										
LCS Dup (BH00517-BSD1)	LCS Dup							Prepared & Analyzed: 08/11/2020		
n-Propylbenzene	8.3		ug/L	10.0		82.8	78-133	14.8	30	
o-Xylene	8.9		"	10.0		88.9	78-130	15.3	30	
p- & m- Xylenes	18		"	20.0		90.2	77-133	17.5	30	
p-Isopropyltoluene	8.9		"	10.0		89.4	81-136	14.7	30	
sec-Butylbenzene	9.4		"	10.0		94.3	79-137	15.0	30	
Styrene	9.4		"	10.0		94.1	67-132	13.4	30	
tert-Butyl alcohol (TBA)	97		"	50.0		195	25-162	High Bias	3.00	30
tert-Butylbenzene	7.8		"	10.0		78.0	77-138	15.6	30	
Tetrachloroethylene	9.0		"	10.0		89.6	82-131	15.6	30	
Toluene	9.2		"	10.0		92.4	80-127	16.4	30	
trans-1,2-Dichloroethylene	10		"	10.0		105	80-132	15.5	30	
trans-1,3-Dichloropropylene	9.7		"	10.0		97.1	78-131	15.5	30	
Trichloroethylene	9.7		"	10.0		96.9	82-128	17.7	30	
Trichlorofluoromethane	13		"	10.0		129	67-139	15.9	30	
Vinyl Chloride	13		"	10.0		131	58-145	14.3	30	
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>11.5</i>		<i>"</i>	<i>10.0</i>		<i>115</i>	<i>69-130</i>			
<i>Surrogate: SURR: Toluene-d8</i>	<i>9.71</i>		<i>"</i>	<i>10.0</i>		<i>97.1</i>	<i>81-117</i>			
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>8.78</i>		<i>"</i>	<i>10.0</i>		<i>87.8</i>	<i>79-122</i>			



Gas Chromatography/Flame Ionization Detector - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
Batch BH00564 - EPA 5030B												
Blank (BH00564-BLK1)	Blank										Prepared & Analyzed: 08/11/2020	
Total Petroleum Hydrocarbons-GRO	ND	0.800	mg/L									
Surrogate: SURR: p-Bromofluorobenzene	253		ug/L	200		126	70-130					
Duplicate (BH00564-DUP1)	Duplicate	*Source sample: 20H0106-02 (MW-08B_080520)										Prepared: 08/11/2020 Analyzed: 08/12/2020
Total Petroleum Hydrocarbons-GRO	72.3	8.00	mg/L		74.0				2.25	30		
Surrogate: SURR: p-Bromofluorobenzene	245		ug/L	200		122	70-130					
Matrix Spike (BH00564-MS1)	Matrix Spike	*Source sample: 20H0106-02 (MW-08B_080520)										Prepared: 08/11/2020 Analyzed: 08/12/2020
Total Petroleum Hydrocarbons-GRO	14000		ug/L	8000	1480	156	0-200					
Surrogate: SURR: p-Bromofluorobenzene	256		"	200		128	70-130					
Reference (BH00564-SRM1)	Reference										Prepared & Analyzed: 08/11/2020	
Total Petroleum Hydrocarbons-GRO	2.05	0.800	mg/L	2.30		88.9	37.1-176					
Surrogate: SURR: p-Bromofluorobenzene	272		ug/L	200		136	70-130					



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH00274 - EPA 3015A											
Blank (BH00274-BLK1)	Blank								Prepared & Analyzed: 08/06/2020		
Iron	ND	11.1	ug/L								
Manganese	ND	1.11	"								
LCS (BH00274-BS1)	LCS								Prepared & Analyzed: 08/06/2020		
Iron	2340		ug/L	2500		93.6	80-120				
Manganese	48.3		"	50.0		96.6	80-120				
Batch BH00633 - EPA 3015A											
Blank (BH00633-BLK1)	Blank								Prepared & Analyzed: 08/12/2020		
Iron - Dissolved	ND	11.1	ug/L								
Manganese - Dissolved	ND	1.11	"								
LCS (BH00633-BS1)	LCS								Prepared & Analyzed: 08/12/2020		
Iron - Dissolved	2820		ug/L	2500		113	80-120				
Manganese - Dissolved	52.0		"	50.0		104	80-120				



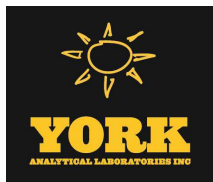
Wet Chemistry Parameters - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	Flag	RPD	RPD	Limit	Flag
		Limit		Level	Result	Limits		Limit			
Batch BH00415 - Analysis Preparation											
Blank (BH00415-BLK1)	Blank										Prepared: 08/10/2020 Analyzed: 08/12/2020
Total Organic Carbon (TOC)	ND	1.00	mg/L								
LCS (BH00415-BS1)	LCS										Prepared: 08/10/2020 Analyzed: 08/12/2020
Total Organic Carbon (TOC)	101	1.00	mg/L	94.0		107		79.5-125.1			
Batch BH00420 - Analysis Preparation											
Blank (BH00420-BLK1)	Blank										Prepared & Analyzed: 08/10/2020
Chemical Oxygen Demand (COD)	ND	10	mg/L								
LCS (BH00420-BS1)	LCS										Prepared & Analyzed: 08/10/2020
Chemical Oxygen Demand (COD)	98	10	mg/L	100		98.3		79-128			
Batch BH00519 - Analysis Preparation											
Reference (BH00519-SRM1)	Reference										Prepared & Analyzed: 08/11/2020
Alkalinity, total	36	2.0	mg/L	34.2		105		90-109.9			



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
20H0106-01	MW-07B_080520	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20H0106-02	MW-08B_080520	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20H0106-02	MW-08B_080520	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20H0106-03	MW-16B_080520	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20H0106-04	MW-17B_080520	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20H0106-05	MW-43_080520	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20H0106-06	DUP01_080520	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20H0106-07	Trip Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

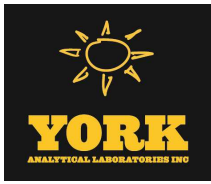
S-08	The recovery of this surrogate was outside of QC limits.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

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

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

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



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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

Revision Description: This report has been revised to report Toluene on Sample -02.



YORK
ANALYTICAL LABORATORIES, INC.
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Field Chain-of-Custody Record

YORK Project No. 20H0106

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 1

YOUR INFORMATION		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company:	<u>Longen Engineering</u>	Company:	<u>"</u>	Company:	<u>"</u>	<u>140115301</u>		RUSH - Next Day	<input type="checkbox"/>
Address:	<u>555 Long west drive</u>	Address:	<u>"</u>	Address:	<u>"</u>	YOUR Project Name		RUSH - Two Day	<input type="checkbox"/>
Phone:	<u>New Haven CT</u>	Phone:	<u>"</u>	Phone:	<u>"</u>	<u>714 East 241st Street</u>		RUSH - Three Day	<input type="checkbox"/>
Contact:	<u>SBS-748-6778</u>	Contact:	<u>"</u>	Contact:	<u>"</u>	YOUR PO#:		RUSH - Four Day	<input type="checkbox"/>
E-mail:	<u>Kyle Twombly</u>	E-mail:	<u>"</u>	E-mail:	<u>"</u>			Standard (5-7 Day)	<input checked="" type="checkbox"/>
E-mail:	<u>k.twombly@langem.com</u>	E-mail:	<u>"</u>	E-mail:	<u>"</u>				

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

Samples Collected by: (print your name above and sign below)
Kyle Twombly
[Signature]

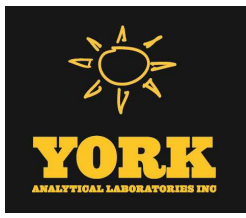
Matrix Codes	Report / EDD Type (circle selections)	YORK Reg. Comp.
S - soil / solid	Summary Report	Compared to the following Regulation(s): (please fill in)
GW - groundwater	QA Report	Standard Excel EDD
DW - drinking water	NY ASP A Package	EquiS (Standard)
WW - wastewater	NY ASP B Package	NYSDEC EquiS
O - Oil ; Other		NJDEP SRP HazSite
		Other:

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
MW-078-080520	GW	8/5/20 / 720	VOCs	
MW-08B-080520		1 755845	VOCs, total + dissolved Fe + Mn, TOC, TPH-6, PCBs, All other	
MW-16B-080520		1930	VOCs	
MW-17B-080520		11030		
MW-43-080520		1800		
Dup01-080520	Other			
Trip blank	Other			

Comments:

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

Samples Relinquished by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Temp. Received at Lab
<u>Kyle Twombly, Langem</u>	<u>8/5/20/218</u>			<u>4.6</u>



Technical Report

prepared for:

Langan Engineering & Environmental Services (CT)

Long Wharf Maritime Center, 555 Long Wharf Drive

New Haven CT, 06511-6107

Attention: Amita Oka, Ph.D.

Report Date: 09/22/2020

Client Project ID: 140115301

York Project (SDG) No.: 20I0305

Revision No. 1.0



CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037

New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Langan Engineering & Environmental Services (CT)
Long Wharf Maritime Center, 555 Long Wharf Drive
New Haven CT, 06511-6107
Attention: Amita Oka, Ph.D.

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on September 08, 2020 and listed below. The project was identified as your project: **140115301**.

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>
20I0305-01	11_GW	Water	09/03/2020	09/08/2020
20I0305-02	11_S	Soil	09/03/2020	09/08/2020
20I0305-03	11 12_GW	Water	09/03/2020	09/08/2020
20I0305-04	11 12_S	Soil	09/03/2020	09/08/2020
20I0305-05	12_GW	Water	09/03/2020	09/08/2020
20I0305-06	12_S	Soil	09/03/2020	09/08/2020
20I0305-07	13_GW	Water	09/03/2020	09/08/2020
20I0305-08	13_S	Soil	09/03/2020	09/08/2020
20I0305-09	13 14_GW	Water	09/03/2020	09/08/2020
20I0305-10	13 14_S	Soil	09/03/2020	09/08/2020
20I0305-11	3_GW	Water	09/03/2020	09/08/2020
20I0305-12	3_S	Soil	09/03/2020	09/08/2020
20I0305-13	3 4_GW	Water	09/03/2020	09/08/2020
20I0305-14	3 4_S	Soil	09/03/2020	09/08/2020
20I0305-15	4_GW	Water	09/03/2020	09/08/2020
20I0305-16	4_S	Soil	09/03/2020	09/08/2020
20I0305-17	14_GW	Water	09/03/2020	09/08/2020
20I0305-18	14_S	Soil	09/03/2020	09/08/2020
20I0305-19	23_GW	Water	09/03/2020	09/08/2020
20I0305-20	23_S	Soil	09/03/2020	09/08/2020
20I0305-21	24_GW	Water	09/03/2020	09/08/2020
20I0305-22	24_S	Soil	09/03/2020	09/08/2020

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
2010305-23	23 24_GW	Water	09/03/2020	09/08/2020
2010305-24	23 24_S	Soil	09/03/2020	09/08/2020
2010305-25	25_GW	Water	09/04/2020	09/08/2020
2010305-26	25_S	Soil	09/04/2020	09/08/2020
2010305-27	26_GW	Water	09/04/2020	09/08/2020
2010305-28	26_S	Soil	09/04/2020	09/08/2020
2010305-29	25 26_GW	Water	09/04/2020	09/08/2020
2010305-30	25 26_S	Soil	09/04/2020	09/08/2020
2010305-31	15_GW	Water	09/04/2020	09/08/2020
2010305-32	15_S	Soil	09/04/2020	09/08/2020
2010305-33	16_GW	Water	09/04/2020	09/08/2020
2010305-34	16_S	Soil	09/04/2020	09/08/2020
2010305-35	15 16_GW	Water	09/04/2020	09/08/2020
2010305-36	15 16_S	Soil	09/04/2020	09/08/2020
2010305-37	17_GW	Water	09/04/2020	09/08/2020
2010305-38	17_S	Soil	09/04/2020	09/08/2020
2010305-39	17 18_GW	Water	09/04/2020	09/08/2020
2010305-40	17 18_S	Soil	09/04/2020	09/08/2020
2010305-41	18_GW	Water	09/04/2020	09/08/2020
2010305-42	18_S	Soil	09/04/2020	09/08/2020
2010305-43	19_GW	Water	09/04/2020	09/08/2020
2010305-44	19_S	Soil	09/04/2020	09/08/2020
2010305-45	19 20_S	Soil	09/04/2020	09/08/2020
2010305-46	21_GW	Water	09/04/2020	09/08/2020
2010305-47	21_S	Soil	09/04/2020	09/08/2020
2010305-48	21 22_S	Soil	09/04/2020	09/08/2020
2010305-49	22_GW	Water	09/04/2020	09/08/2020
2010305-50	22_S	Soil	09/04/2020	09/08/2020
2010305-51	5_GW	Water	09/04/2020	09/08/2020
2010305-52	5_S	Soil	09/04/2020	09/08/2020
2010305-53	5 6_GW	Water	09/04/2020	09/08/2020
2010305-54	5 6_S	Soil	09/04/2020	09/08/2020
2010305-55	6_GW	Water	09/04/2020	09/08/2020
2010305-56	6_S	Soil	09/04/2020	09/08/2020
2010305-57	7_GW	Water	09/04/2020	09/08/2020
2010305-58	7_S	Soil	09/04/2020	09/08/2020
2010305-59	7 8_GW	Water	09/04/2020	09/08/2020
2010305-60	7 8_S	Soil	09/04/2020	09/08/2020
2010305-61	8_GW	Water	09/04/2020	09/08/2020
2010305-62	8_S	Soil	09/04/2020	09/08/2020
2010305-63	9_GW	Water	09/04/2020	09/08/2020
2010305-64	9_S	Soil	09/04/2020	09/08/2020
2010305-65	9 10_S	Soil	09/04/2020	09/08/2020
2010305-66	10_GW	Water	09/04/2020	09/08/2020
2010305-67	10_S	Soil	09/04/2020	09/08/2020
2010305-68	20_GW	Water	09/04/2020	09/08/2020
2010305-69	20_S	Soil	09/04/2020	09/08/2020

General Notes for York Project (SDG) No.: 20I0305

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

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 09/22/2020





Sample Information

Client Sample ID: 11_GW

York Sample ID: 20I0305-01

<u>York Project (SDG) No.</u> 20I0305	<u>Client Project ID</u> 140115301	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 3, 2020 1:20 pm	<u>Date Received</u> 09/08/2020
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP
75-34-3	1,1-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP
95-63-6	1,2,4-Trimethylbenzene	490		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP
106-93-4	1,2-Dibromoethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP
107-06-2	1,2-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP
78-87-5	1,2-Dichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP
108-67-8	1,3,5-Trimethylbenzene	140		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP
123-91-1	1,4-Dioxane	ND		ug/L	400	800	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP
78-93-3	2-Butanone	310	Cal-E, CCV-E	ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP



Sample Information

Client Sample ID: 11_GW

York Sample ID: 20I0305-01

<u>York Project (SDG) No.</u> 20I0305	<u>Client Project ID</u> 140115301	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 3, 2020 1:20 pm	<u>Date Received</u> 09/08/2020
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	34	Cal-E	ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP
108-10-1	4-Methyl-2-pentanone	30	Cal-E	ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP
67-64-1	Acetone	1300		ug/L	10	20	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP
107-02-8	Acrolein	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP
107-13-1	Acrylonitrile	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP
71-43-2	Benzene	56		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP
74-97-5	Bromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP
75-27-4	Bromodichloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP
75-25-2	Bromoform	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP
74-83-9	Bromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP
75-15-0	Carbon disulfide	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP
56-23-5	Carbon tetrachloride	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP
108-90-7	Chlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP
75-00-3	Chloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP
67-66-3	Chloroform	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP
74-87-3	Chloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP
110-82-7	Cyclohexane	58	CCV-E	ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP
124-48-1	Dibromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP
74-95-3	Dibromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP



Sample Information

Client Sample ID: 11_GW

York Sample ID: 20I0305-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Water

September 3, 2020 1:20 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	53		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP
87-68-3	Hexachlorobutadiene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP
98-82-8	Isopropylbenzene	20		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP
79-20-9	Methyl acetate	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	900		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP
108-87-2	Methylcyclohexane	95		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP
75-09-2	Methylene chloride	ND		ug/L	10	20	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP
104-51-8	n-Butylbenzene	15	CCV-E	ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP
103-65-1	n-Propylbenzene	73		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP
95-47-6	o-Xylene	79		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/09/2020 09:00	09/14/2020 13:17	TMP
179601-23-1	p- & m- Xylenes	280		ug/L	5.0	10	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/09/2020 09:00	09/14/2020 13:17	TMP
99-87-6	p-Isopropyltoluene	4.1	J	ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP
135-98-8	sec-Butylbenzene	9.3		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP
100-42-5	Styrene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	5.0	10	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP
127-18-4	Tetrachloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP
108-88-3	Toluene	32		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP
79-01-6	Trichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP
75-69-4	Trichlorofluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP



Sample Information

Client Sample ID: 11_GW

York Sample ID: 20I0305-01

York Project (SDG) No.
20I0305

Client Project ID
140115301

Matrix
Water

Collection Date/Time
September 3, 2020 1:20 pm

Date Received
09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP
1330-20-7	Xylenes, Total	360		ug/L	6.0	15	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/09/2020 09:00	09/14/2020 13:17	TMP
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	99.8 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	105 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	97.2 %	79-122								



Sample Information

Client Sample ID: 11_S

York Sample ID: 20I0305-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 3, 2020 1:25 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/08/2020 06:12	09/09/2020 13:09	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/08/2020 06:12	09/09/2020 13:09	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP
95-63-6	1,2,4-Trimethylbenzene	1900		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP
108-67-8	1,3,5-Trimethylbenzene	640		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP
123-91-1	1,4-Dioxane	ND		ug/kg dry	4200	8300	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP
78-93-3	2-Butanone	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP
591-78-6	2-Hexanone	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP



Sample Information

Client Sample ID: 11_S

York Sample ID: 20I0305-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 3, 2020 1:25 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP
67-64-1	Acetone	ND		ug/kg dry	420	830	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP
107-02-8	Acrolein	ND		ug/kg dry	420	830	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP
107-13-1	Acrylonitrile	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP
71-43-2	Benzene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP
74-97-5	Bromochloromethane	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP
75-27-4	Bromodichloromethane	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP
75-25-2	Bromoform	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP
74-83-9	Bromomethane	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP
75-15-0	Carbon disulfide	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP
56-23-5	Carbon tetrachloride	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP
108-90-7	Chlorobenzene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP
75-00-3	Chloroethane	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP
67-66-3	Chloroform	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP
74-87-3	Chloromethane	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP
110-82-7	Cyclohexane	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP
124-48-1	Dibromochloromethane	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP
74-95-3	Dibromomethane	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP
100-41-4	Ethyl Benzene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP



Sample Information

Client Sample ID: 11_S

York Sample ID: 20I0305-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 3, 2020 1:25 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP
98-82-8	Isopropylbenzene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP
79-20-9	Methyl acetate	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP
108-87-2	Methylcyclohexane	1100		ug/kg dry	210	420	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP
75-09-2	Methylene chloride	ND		ug/kg dry	420	830	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP
104-51-8	n-Butylbenzene	440		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP
103-65-1	n-Propylbenzene	360	J	ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP
95-47-6	o-Xylene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP
179601-23-1	p- & m- Xylenes	490	J	ug/kg dry	420	830	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP
135-98-8	sec-Butylbenzene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP
100-42-5	Styrene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP
127-18-4	Tetrachloroethylene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP
108-88-3	Toluene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP
79-01-6	Trichloroethylene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP
75-01-4	Vinyl Chloride	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:09	TMP



Sample Information

Client Sample ID: 11_S

York Sample ID: 20I0305-02

York Project (SDG) No.
20I0305

Client Project ID
140115301

Matrix
Soil

Collection Date/Time
September 3, 2020 1:25 pm

Date Received
09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1330-20-7	Xylenes, Total	ND		ug/kg dry	620	1200	100	EPA 8260C	09/08/2020 06:12	09/09/2020 13:09	TMP
Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP											
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	85.2 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	102 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	97.5 %			76-130						

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
solids	* % Solids	84.5		%	0.100	1	SM 2540G	09/15/2020 15:21	09/15/2020 16:44	WL	
Certifications: CTDOH											



Sample Information

Client Sample ID: 11 12_GW

York Sample ID: 20I0305-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Water

September 3, 2020 1:20 pm

09/08/2020

Metals, Target Analyte, ICP Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	23.9		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:22	KML
7440-39-3	Barium	0.0689		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:22	KML
7440-70-2	Calcium	17.7		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:22	KML
7440-47-3	Chromium	0.359		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:22	KML
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:22	KML
7440-50-8	Copper	0.228		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:22	KML
7439-89-6	Iron	0.667		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:22	KML
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:22	KML
7439-95-4	Magnesium	0.198		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:22	KML
7439-96-5	Manganese	0.00847		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:22	KML
7440-02-0	Nickel	0.0264		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:22	KML
7440-09-7	Potassium	144		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:22	KML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:22	KML
7440-23-5	Sodium	6480		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:22	KML
7440-62-2	Vanadium	1.13		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:22	KML
7440-66-6	Zinc	0.0541		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:22	KML

Metals, Target Analyte, ICPMS Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	9.91		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:45	09/10/2020 12:06	BML
7440-38-2	Arsenic	268		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:45	09/10/2020 12:06	BML



Sample Information

Client Sample ID: 11 12_GW

York Sample ID: 20I0305-03

York Project (SDG) No.
20I0305

Client Project ID
140115301

Matrix
Water

Collection Date/Time
September 3, 2020 1:20 pm

Date Received
09/08/2020

Metals, Target Analyte, ICPMS Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:45	09/10/2020 12:06	BML
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:45	09/10/2020 12:06	BML
7782-49-2	Selenium	271		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:45	09/10/2020 12:06	BML
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:45	09/10/2020 12:06	BML

Mercury by 7473, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002000	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 11:44	09/09/2020 13:49	SY



Sample Information

Client Sample ID: 11 12_S	York Sample ID: 20I0305-04			
<u>York Project (SDG) No.</u> 20I0305	<u>Client Project ID</u> 140115301	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 3, 2020 1:25 pm	<u>Date Received</u> 09/08/2020

Analyzed by: Phoenix Environmental Laboratories, Inc. S

Total Organic Carbon (TOC-SUB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: *** DEFAULT PREP ***

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	Total Organic Carbon (TOC)	813		mg/kg	100	1	SW9060A	09/09/2020 00:00	09/10/2020 00:00	PHO	
							Certifications:				



Sample Information

Client Sample ID: 12_GW

York Sample ID: 20I0305-05

<u>York Project (SDG) No.</u> 20I0305	<u>Client Project ID</u> 140115301	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 3, 2020 1:50 pm	<u>Date Received</u> 09/08/2020
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP
75-34-3	1,1-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP
95-63-6	1,2,4-Trimethylbenzene	570		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP
106-93-4	1,2-Dibromoethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP
107-06-2	1,2-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP
78-87-5	1,2-Dichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP
108-67-8	1,3,5-Trimethylbenzene	160		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP
123-91-1	1,4-Dioxane	ND		ug/L	400	800	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP
78-93-3	2-Butanone	300	Cal-E, CCV-E	ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP



Sample Information

Client Sample ID: 12_GW

York Sample ID: 20I0305-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Water

September 3, 2020 1:50 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	21	Cal-E	ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP
108-10-1	4-Methyl-2-pentanone	30	Cal-E	ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP
67-64-1	Acetone	1200		ug/L	10	20	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP
107-02-8	Acrolein	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP
107-13-1	Acrylonitrile	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP
71-43-2	Benzene	57		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP
74-97-5	Bromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP
75-27-4	Bromodichloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP
75-25-2	Bromoform	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP
74-83-9	Bromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP
75-15-0	Carbon disulfide	2.5	J	ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP
56-23-5	Carbon tetrachloride	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP
108-90-7	Chlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP
75-00-3	Chloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP
67-66-3	Chloroform	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP
74-87-3	Chloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP
110-82-7	Cyclohexane	68	CCV-E	ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP
124-48-1	Dibromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP
74-95-3	Dibromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP



Sample Information

Client Sample ID: 12_GW

York Sample ID: 20I0305-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Water

September 3, 2020 1:50 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	73		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP
87-68-3	Hexachlorobutadiene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP
98-82-8	Isopropylbenzene	23		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP
79-20-9	Methyl acetate	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	870		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP
108-87-2	Methylcyclohexane	100		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP
75-09-2	Methylene chloride	ND		ug/L	10	20	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP
104-51-8	n-Butylbenzene	13	CCV-E	ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP
103-65-1	n-Propylbenzene	84		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP
95-47-6	o-Xylene	110		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/09/2020 09:00	09/14/2020 14:11	TMP
179601-23-1	p- & m- Xylenes	380		ug/L	5.0	10	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/09/2020 09:00	09/14/2020 14:11	TMP
99-87-6	p-Isopropyltoluene	4.4	J	ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP
135-98-8	sec-Butylbenzene	9.4		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP
100-42-5	Styrene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	5.0	10	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP
127-18-4	Tetrachloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP
108-88-3	Toluene	36		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP
79-01-6	Trichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP
75-69-4	Trichlorofluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP



Sample Information

Client Sample ID: 12_GW

York Sample ID: 20I0305-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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20I0305

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Water

September 3, 2020 1:50 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP
1330-20-7	Xylenes, Total	490		ug/L	6.0	15	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/09/2020 09:00	09/14/2020 14:11	TMP
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	94.6 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	103 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	98.3 %	79-122								



Sample Information

Client Sample ID: 12_S

York Sample ID: 20I0305-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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20I0305

140115301

Soil

September 3, 2020 1:55 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/08/2020 06:12	09/09/2020 13:36	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/08/2020 06:12	09/09/2020 13:36	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP
95-63-6	1,2,4-Trimethylbenzene	1800		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP
108-67-8	1,3,5-Trimethylbenzene	600		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP
123-91-1	1,4-Dioxane	ND		ug/kg dry	4200	8500	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP
78-93-3	2-Butanone	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP
591-78-6	2-Hexanone	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP



Sample Information

Client Sample ID: 12_S

York Sample ID: 20I0305-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 3, 2020 1:55 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP
67-64-1	Acetone	ND		ug/kg dry	420	850	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP
107-02-8	Acrolein	ND		ug/kg dry	420	850	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP
107-13-1	Acrylonitrile	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP
71-43-2	Benzene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP
74-97-5	Bromochloromethane	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP
75-27-4	Bromodichloromethane	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP
75-25-2	Bromoform	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP
74-83-9	Bromomethane	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP
75-15-0	Carbon disulfide	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP
56-23-5	Carbon tetrachloride	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP
108-90-7	Chlorobenzene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP
75-00-3	Chloroethane	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP
67-66-3	Chloroform	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP
74-87-3	Chloromethane	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP
110-82-7	Cyclohexane	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP
124-48-1	Dibromochloromethane	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP
74-95-3	Dibromomethane	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP
100-41-4	Ethyl Benzene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP



Sample Information

Client Sample ID: 12_S

York Sample ID: 20I0305-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 3, 2020 1:55 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP
98-82-8	Isopropylbenzene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP
79-20-9	Methyl acetate	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP
108-87-2	Methylcyclohexane	880		ug/kg dry	210	420	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP
75-09-2	Methylene chloride	ND		ug/kg dry	420	850	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP
104-51-8	n-Butylbenzene	370	J	ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP
103-65-1	n-Propylbenzene	330	J	ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP
95-47-6	o-Xylene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP
179601-23-1	p- & m- Xylenes	520	J	ug/kg dry	420	850	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP
135-98-8	sec-Butylbenzene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP
100-42-5	Styrene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP
127-18-4	Tetrachloroethylene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP
108-88-3	Toluene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP
79-01-6	Trichloroethylene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP
75-01-4	Vinyl Chloride	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 13:36	TMP



Sample Information

Client Sample ID: 12_S

York Sample ID: 20I0305-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 3, 2020 1:55 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1330-20-7	Xylenes, Total	ND		ug/kg dry	640	1300	100	EPA 8260C	09/08/2020 06:12	09/09/2020 13:36	TMP
Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP											
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	86.6 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	102 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	97.9 %	76-130								

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
solids	* % Solids	85.2		%	0.100	1	SM 2540G	09/15/2020 15:21	09/15/2020 16:44	WL	
Certifications: CTDOH											



Sample Information

Client Sample ID: 13_GW

York Sample ID: 20I0305-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Water

September 3, 2020 2:15 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP
75-34-3	1,1-Dichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP
95-63-6	1,2,4-Trimethylbenzene	64		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP
106-93-4	1,2-Dibromoethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP
107-06-2	1,2-Dichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP
78-87-5	1,2-Dichloropropane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP
108-67-8	1,3,5-Trimethylbenzene	22		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP
123-91-1	1,4-Dioxane	ND		ug/L	80	160	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP
78-93-3	2-Butanone	53	Cal-E, CCV-E	ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP



Sample Information

Client Sample ID: 13_GW

York Sample ID: 20I0305-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Water

September 3, 2020 2:15 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	9.4	Cal-E	ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP
108-10-1	4-Methyl-2-pentanone	5.6	Cal-E	ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP
67-64-1	Acetone	540		ug/L	10	20	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 16:19	TMP
107-02-8	Acrolein	5.0		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP
107-13-1	Acrylonitrile	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP
71-43-2	Benzene	1.1		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP
74-97-5	Bromochloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP
75-27-4	Bromodichloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP
75-25-2	Bromoform	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP
74-83-9	Bromomethane	1.0	CCV-E	ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP
75-15-0	Carbon disulfide	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP
56-23-5	Carbon tetrachloride	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP
108-90-7	Chlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP
75-00-3	Chloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP
67-66-3	Chloroform	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP
74-87-3	Chloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP
110-82-7	Cyclohexane	2.3	CCV-E	ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP
124-48-1	Dibromochloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP
74-95-3	Dibromomethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP



Sample Information

Client Sample ID: 13_GW

York Sample ID: 20I0305-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Water

September 3, 2020 2:15 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	5.1		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP
87-68-3	Hexachlorobutadiene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP
98-82-8	Isopropylbenzene	2.9		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP
79-20-9	Methyl acetate	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	0.96	J	ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP
108-87-2	Methylcyclohexane	6.8		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP
75-09-2	Methylene chloride	ND		ug/L	2.0	4.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP
104-51-8	n-Butylbenzene	1.5	CCV-E	ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP
103-65-1	n-Propylbenzene	10		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP
95-47-6	o-Xylene	6.4		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/09/2020 09:00	09/14/2020 15:53	TMP
179601-23-1	p- & m- Xylenes	29		ug/L	1.0	2.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/09/2020 09:00	09/14/2020 15:53	TMP
99-87-6	p-Isopropyltoluene	0.66	J	ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP
135-98-8	sec-Butylbenzene	1.5		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP
100-42-5	Styrene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	1.0	2.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP
127-18-4	Tetrachloroethylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP
108-88-3	Toluene	1.2		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP
79-01-6	Trichloroethylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP
75-69-4	Trichlorofluoromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP



Sample Information

Client Sample ID: 13_GW

York Sample ID: 20I0305-07

<u>York Project (SDG) No.</u> 20I0305	<u>Client Project ID</u> 140115301	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 3, 2020 2:15 pm	<u>Date Received</u> 09/08/2020
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP
1330-20-7	Xylenes, Total	35		ug/L	1.2	3.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/09/2020 09:00	09/14/2020 15:53	TMP
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	120 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	100 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	94.7 %	79-122								



Sample Information

Client Sample ID: 13_S

York Sample ID: 20I0305-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 3, 2020 2:20 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/08/2020 06:12	09/09/2020 14:04	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/08/2020 06:12	09/09/2020 14:04	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP
95-63-6	1,2,4-Trimethylbenzene	1500		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP
108-67-8	1,3,5-Trimethylbenzene	580		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP
123-91-1	1,4-Dioxane	ND		ug/kg dry	4800	9600	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP
78-93-3	2-Butanone	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP
591-78-6	2-Hexanone	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP



Sample Information

Client Sample ID: 13_S

York Sample ID: 20I0305-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

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Soil

September 3, 2020 2:20 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP
67-64-1	Acetone	ND		ug/kg dry	480	960	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP
107-02-8	Acrolein	ND		ug/kg dry	480	960	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP
107-13-1	Acrylonitrile	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP
71-43-2	Benzene	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP
74-97-5	Bromochloromethane	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP
75-27-4	Bromodichloromethane	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP
75-25-2	Bromoform	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP
74-83-9	Bromomethane	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP
75-15-0	Carbon disulfide	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP
56-23-5	Carbon tetrachloride	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP
108-90-7	Chlorobenzene	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP
75-00-3	Chloroethane	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP
67-66-3	Chloroform	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP
74-87-3	Chloromethane	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP
110-82-7	Cyclohexane	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP
124-48-1	Dibromochloromethane	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP
74-95-3	Dibromomethane	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP
100-41-4	Ethyl Benzene	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP



Sample Information

Client Sample ID: 13_S

York Sample ID: 20I0305-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 3, 2020 2:20 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP
98-82-8	Isopropylbenzene	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP
79-20-9	Methyl acetate	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP
108-87-2	Methylcyclohexane	960		ug/kg dry	240	480	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP
75-09-2	Methylene chloride	ND		ug/kg dry	480	960	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP
104-51-8	n-Butylbenzene	440	J	ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP
103-65-1	n-Propylbenzene	350	J	ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP
95-47-6	o-Xylene	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	480	960	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP
135-98-8	sec-Butylbenzene	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP
100-42-5	Styrene	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP
127-18-4	Tetrachloroethylene	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP
108-88-3	Toluene	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP
79-01-6	Trichloroethylene	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP
75-01-4	Vinyl Chloride	ND		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:04	TMP



Sample Information

Client Sample ID: 13_S

York Sample ID: 20I0305-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 3, 2020 2:20 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1330-20-7	Xylenes, Total	ND		ug/kg dry	720	1400	100	EPA 8260C	09/08/2020 06:12	09/09/2020 14:04	TMP
Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP											

Surrogate Recoveries

Result

Acceptance Range

17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	84.2 %									
2037-26-5	Surrogate: SURR: Toluene-d8	102 %									
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	100 %									

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
solids	* % Solids	88.9		%	0.100	1	SM 2540G	09/15/2020 15:21	09/15/2020 16:44	WL	
Certifications: CTDOH											



Sample Information

Client Sample ID: 13 14_GW

York Sample ID: 20I0305-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Water

September 3, 2020 2:15 pm

09/08/2020

Metals, Target Analyte, ICP Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	186		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:25	KML
7440-39-3	Barium	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:25	KML
7440-70-2	Calcium	2.66		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:25	KML
7440-47-3	Chromium	1.22		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:25	KML
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:25	KML
7440-50-8	Copper	0.0346		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:25	KML
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:25	KML
7439-92-1	Lead	0.00633		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:25	KML
7439-95-4	Magnesium	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:25	KML
7439-96-5	Manganese	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:25	KML
7440-02-0	Nickel	0.0379		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:25	KML
7440-09-7	Potassium	203		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:25	KML
7440-22-4	Silver	0.0125		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:25	KML
7440-23-5	Sodium	26200		mg/L	55.6	100	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/22/2020 12:30	KML
7440-62-2	Vanadium	2.52		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:25	KML
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:25	KML

Metals, Target Analyte, ICPMS Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	5.94		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:45	09/10/2020 12:17	BML
7440-38-2	Arsenic	812		ug/L	11.1	10	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:45	09/15/2020 13:20	BML



Sample Information

Client Sample ID: 13 14_GW

York Sample ID: 20I0305-09

<u>York Project (SDG) No.</u> 20I0305	<u>Client Project ID</u> 140115301	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 3, 2020 2:15 pm	<u>Date Received</u> 09/08/2020
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Metals, Target Analyte, ICPMS Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:45	09/10/2020 12:17	BML
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:45	09/10/2020 12:17	BML
7782-49-2	Selenium	424		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:45	09/10/2020 12:17	BML
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:45	09/10/2020 12:17	BML

Mercury by 7473, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002000	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 11:44	09/09/2020 13:59	SY



Sample Information

Client Sample ID: 13 14_S

York Sample ID: 20I0305-10

York Project (SDG) No. 20I0305

Client Project ID 140115301

Matrix Soil

Collection Date/Time September 3, 2020 2:20 pm

Date Received 09/08/2020

Analyzed by: Phoenix Environmental Laboratories, Inc. S

Total Organic Carbon (TOC-SUB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: *** DEFAULT PREP ***

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	1270		mg/kg	100	1	SW9060A	09/09/2020 00:00	09/10/2020 00:00	PHO

Certifications:



Sample Information

Client Sample ID: 3_GW

York Sample ID: 20I0305-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Water

September 3, 2020 3:00 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 16:44	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 16:44	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 16:44	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 16:44	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 16:44	TMP
75-34-3	1,1-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 16:44	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 16:44	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 16:44	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 16:44	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 16:44	TMP
95-63-6	1,2,4-Trimethylbenzene	1500		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 16:44	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 16:44	TMP
106-93-4	1,2-Dibromoethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 16:44	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 16:44	TMP
107-06-2	1,2-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 16:44	TMP
78-87-5	1,2-Dichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 16:44	TMP
108-67-8	1,3,5-Trimethylbenzene	440		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 16:44	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 16:44	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 16:44	TMP
123-91-1	1,4-Dioxane	ND		ug/L	400	800	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 16:44	TMP
78-93-3	2-Butanone	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 16:44	TMP



Sample Information

Client Sample ID: 3_GW

York Sample ID: 20I0305-11

<u>York Project (SDG) No.</u> 20I0305	<u>Client Project ID</u> 140115301	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 3, 2020 3:00 pm	<u>Date Received</u> 09/08/2020
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 16:44	TMP
108-10-1	4-Methyl-2-pentanone	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 16:44	TMP
67-64-1	Acetone	100		ug/L	10	20	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 16:44	TMP
107-02-8	Acrolein	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 16:44	TMP
107-13-1	Acrylonitrile	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 16:44	TMP
71-43-2	Benzene	5300		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:10	TMP
74-97-5	Bromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 16:44	TMP
75-27-4	Bromodichloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 16:44	TMP
75-25-2	Bromoform	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 16:44	TMP
74-83-9	Bromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 16:44	TMP
75-15-0	Carbon disulfide	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 16:44	TMP
56-23-5	Carbon tetrachloride	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 16:44	TMP
108-90-7	Chlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 16:44	TMP
75-00-3	Chloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 16:44	TMP
67-66-3	Chloroform	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 16:44	TMP
74-87-3	Chloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 16:44	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 16:44	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 16:44	TMP
110-82-7	Cyclohexane	110	CCV-E	ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 16:44	TMP
124-48-1	Dibromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 16:44	TMP
74-95-3	Dibromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 16:44	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 16:44	TMP



Sample Information

Client Sample ID: 3_GW

York Sample ID: 20I0305-11

<u>York Project (SDG) No.</u> 20I0305	<u>Client Project ID</u> 140115301	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 3, 2020 3:00 pm	<u>Date Received</u> 09/08/2020
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	740		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 16:44	TMP
87-68-3	Hexachlorobutadiene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 16:44	TMP
98-82-8	Isopropylbenzene	61		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 16:44	TMP
79-20-9	Methyl acetate	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 16:44	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	2900		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:10	TMP
108-87-2	Methylcyclohexane	130		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 16:44	TMP
75-09-2	Methylene chloride	ND		ug/L	10	20	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 16:44	TMP
104-51-8	n-Butylbenzene	16	CCV-E	ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 16:44	TMP
103-65-1	n-Propylbenzene	170		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 16:44	TMP
95-47-6	o-Xylene	1100		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/09/2020 09:00	09/14/2020 16:44	TMP
179601-23-1	p- & m- Xylenes	2800		ug/L	5.0	10	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/09/2020 09:00	09/14/2020 16:44	TMP
99-87-6	p-Isopropyltoluene	6.3		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 16:44	TMP
135-98-8	sec-Butylbenzene	12		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 16:44	TMP
100-42-5	Styrene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 16:44	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	5.0	10	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 16:44	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 16:44	TMP
127-18-4	Tetrachloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 16:44	TMP
108-88-3	Toluene	7000		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:10	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 16:44	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 16:44	TMP
79-01-6	Trichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 16:44	TMP
75-69-4	Trichlorofluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 16:44	TMP



Sample Information

Client Sample ID: 3_GW

York Sample ID: 20I0305-11

York Project (SDG) No.
20I0305

Client Project ID
140115301

Matrix
Water

Collection Date/Time
September 3, 2020 3:00 pm

Date Received
09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 16:44	TMP
1330-20-7	Xylenes, Total	3900		ug/L	6.0	15	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/09/2020 09:00	09/14/2020 16:44	TMP
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	97.1 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	102 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	98.8 %	79-122								



Sample Information

Client Sample ID: 3_S

York Sample ID: 20I0305-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 3, 2020 3:05 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/08/2020 06:12	09/09/2020 14:31	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/08/2020 06:12	09/09/2020 14:31	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP
95-63-6	1,2,4-Trimethylbenzene	3800		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP
108-67-8	1,3,5-Trimethylbenzene	1300		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP
123-91-1	1,4-Dioxane	ND		ug/kg dry	5200	10000	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP
78-93-3	2-Butanone	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP
591-78-6	2-Hexanone	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP



Sample Information

Client Sample ID: 3_S

York Sample ID: 20I0305-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 3, 2020 3:05 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP
67-64-1	Acetone	ND		ug/kg dry	520	1000	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP
107-02-8	Acrolein	ND		ug/kg dry	520	1000	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP
107-13-1	Acrylonitrile	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP
71-43-2	Benzene	880		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP
74-97-5	Bromochloromethane	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP
75-27-4	Bromodichloromethane	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP
75-25-2	Bromoform	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP
74-83-9	Bromomethane	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP
75-15-0	Carbon disulfide	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP
56-23-5	Carbon tetrachloride	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP
108-90-7	Chlorobenzene	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP
75-00-3	Chloroethane	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP
67-66-3	Chloroform	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP
74-87-3	Chloromethane	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP
110-82-7	Cyclohexane	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP
124-48-1	Dibromochloromethane	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP
74-95-3	Dibromomethane	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP
100-41-4	Ethyl Benzene	630		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP



Sample Information

Client Sample ID: 3_S

York Sample ID: 20I0305-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 3, 2020 3:05 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP
98-82-8	Isopropylbenzene	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP
79-20-9	Methyl acetate	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	380	J	ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP
108-87-2	Methylcyclohexane	1100		ug/kg dry	260	520	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP
75-09-2	Methylene chloride	ND		ug/kg dry	520	1000	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP
104-51-8	n-Butylbenzene	490	J	ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP
103-65-1	n-Propylbenzene	580		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP
95-47-6	o-Xylene	860		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP
179601-23-1	p- & m- Xylenes	2500		ug/kg dry	520	1000	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP
135-98-8	sec-Butylbenzene	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP
100-42-5	Styrene	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP
127-18-4	Tetrachloroethylene	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP
108-88-3	Toluene	2200		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP
79-01-6	Trichloroethylene	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP
75-01-4	Vinyl Chloride	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:31	TMP



Sample Information

Client Sample ID: 3_S

York Sample ID: 20I0305-12

York Project (SDG) No.
20I0305

Client Project ID
140115301

Matrix
Soil

Collection Date/Time
September 3, 2020 3:05 pm

Date Received
09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1330-20-7	Xylenes, Total	3400		ug/kg dry	770	1500	100	EPA 8260C	09/08/2020 06:12	09/09/2020 14:31	TMP
Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP											
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	86.4 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	102 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	98.9 %	76-130								

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
solids	* % Solids	84.5		%	0.100	1	SM 2540G	09/15/2020 15:21	09/15/2020 16:44	WL	
Certifications: CTDOH											



Sample Information

Client Sample ID: 3 4_GW

York Sample ID: 20I0305-13

<u>York Project (SDG) No.</u> 20I0305	<u>Client Project ID</u> 140115301	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 3, 2020 3:00 pm	<u>Date Received</u> 09/08/2020
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Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	4.62		mg/L	0.0611	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2020 13:26	09/11/2020 10:58	KML
7440-39-3	Barium	0.180		mg/L	0.0306	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2020 13:26	09/11/2020 10:58	KML
7440-70-2	Calcium	51.4		mg/L	0.0611	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2020 13:26	09/11/2020 10:58	KML
7440-47-3	Chromium	0.0102		mg/L	0.00611	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2020 13:26	09/11/2020 10:58	KML
7440-48-4	Cobalt	ND		mg/L	0.00489	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2020 13:26	09/11/2020 10:58	KML
7440-50-8	Copper	ND		mg/L	0.0244	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2020 13:26	09/11/2020 10:58	KML
7439-89-6	Iron	6.05		mg/L	0.306	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2020 13:26	09/11/2020 10:58	KML
7439-92-1	Lead	0.0627		mg/L	0.00611	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2020 13:26	09/11/2020 10:58	KML
7439-95-4	Magnesium	8.03		mg/L	0.0611	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2020 13:26	09/11/2020 10:58	KML
7439-96-5	Manganese	0.180		mg/L	0.00611	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2020 13:26	09/11/2020 10:58	KML
7440-02-0	Nickel	ND		mg/L	0.0122	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2020 13:26	09/11/2020 10:58	KML
7440-09-7	Potassium	56.3		mg/L	0.0611	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2020 13:26	09/11/2020 10:58	KML
7440-22-4	Silver	ND		mg/L	0.00611	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2020 13:26	09/11/2020 10:58	KML
7440-23-5	Sodium	236		mg/L	0.611	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2020 13:26	09/11/2020 10:58	KML
7440-62-2	Vanadium	ND		mg/L	0.0122	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2020 13:26	09/11/2020 10:58	KML
7440-66-6	Zinc	0.0782		mg/L	0.0306	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2020 13:26	09/11/2020 10:58	KML

Metals, Target Analyte, ICP Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	0.0965		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:34	KML
7440-39-3	Barium	0.153		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:34	KML
7440-70-2	Calcium	48.5		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:34	KML



Sample Information

Client Sample ID: 3 4_GW

York Sample ID: 20I0305-13

<u>York Project (SDG) No.</u> 20I0305	<u>Client Project ID</u> 140115301	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 3, 2020 3:00 pm	<u>Date Received</u> 09/08/2020
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Metals, Target Analyte, ICP Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:34	KML
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:34	KML
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:34	KML
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:34	KML
7439-92-1	Lead	0.0488		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:34	KML
7439-95-4	Magnesium	6.71		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:34	KML
7439-96-5	Manganese	0.131		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:34	KML
7440-02-0	Nickel	0.0252		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:34	KML
7440-09-7	Potassium	63.0		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:34	KML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:34	KML
7440-23-5	Sodium	252		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:34	KML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:34	KML
7440-66-6	Zinc	0.0723		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:34	KML

Metals, Target Analyte, ICPMS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	1.47		ug/L	1.22	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2020 13:23	09/10/2020 15:48	BML
7440-38-2	Arsenic	7.12		ug/L	1.22	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2020 13:23	09/10/2020 15:48	BML
7440-41-7	Beryllium	ND		ug/L	0.367	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2020 13:23	09/10/2020 15:48	BML
7440-43-9	Cadmium	ND		ug/L	0.611	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2020 13:23	09/10/2020 15:48	BML
7782-49-2	Selenium	1.97		ug/L	1.22	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2020 13:23	09/10/2020 15:48	BML
7440-28-0	Thallium	ND		ug/L	1.22	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2020 13:23	09/10/2020 15:48	BML



Sample Information

Client Sample ID: 3 4_GW

York Sample ID: 20I0305-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Water

September 3, 2020 3:00 pm

09/08/2020

Metals, Target Analyte, ICPMS Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	3.10		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:45	09/10/2020 12:20	BML
7440-38-2	Arsenic	7.52		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:45	09/10/2020 12:20	BML
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:45	09/10/2020 12:20	BML
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:45	09/10/2020 12:20	BML
7782-49-2	Selenium	3.11		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:45	09/10/2020 12:20	BML
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:45	09/10/2020 12:20	BML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2020 14:18	09/10/2020 14:38	SY

Mercury by 7473, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002000	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 11:44	09/09/2020 14:09	SY



Sample Information

Client Sample ID: 3 4_S

York Sample ID: 20I0305-14

York Project (SDG) No. 20I0305

Client Project ID 140115301

Matrix Soil

Collection Date/Time September 3, 2020 3:05 pm

Date Received 09/08/2020

Analyzed by: Phoenix Environmental Laboratories, Inc. S

Total Organic Carbon (TOC-SUB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: *** DEFAULT PREP ***

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	Total Organic Carbon (TOC)	762		mg/kg	100	1	SW9060A	09/09/2020 00:00	09/10/2020 00:00	PHO	
							Certifications:				



Sample Information

Client Sample ID: 4_GW

York Sample ID: 20I0305-15

<u>York Project (SDG) No.</u> 20I0305	<u>Client Project ID</u> 140115301	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 3, 2020 3:30 pm	<u>Date Received</u> 09/08/2020
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:35	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:35	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:35	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:35	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:35	TMP
75-34-3	1,1-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:35	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:35	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:35	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:35	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:35	TMP
95-63-6	1,2,4-Trimethylbenzene	1500		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:35	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:35	TMP
106-93-4	1,2-Dibromoethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:35	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:35	TMP
107-06-2	1,2-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:35	TMP
78-87-5	1,2-Dichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:35	TMP
108-67-8	1,3,5-Trimethylbenzene	460		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:35	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:35	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:35	TMP
123-91-1	1,4-Dioxane	ND		ug/L	400	800	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:35	TMP
78-93-3	2-Butanone	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:35	TMP



Sample Information

Client Sample ID: 4_GW

York Sample ID: 20I0305-15

<u>York Project (SDG) No.</u> 20I0305	<u>Client Project ID</u> 140115301	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 3, 2020 3:30 pm	<u>Date Received</u> 09/08/2020
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:35	TMP
108-10-1	4-Methyl-2-pentanone	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:35	TMP
67-64-1	Acetone	100		ug/L	10	20	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:35	TMP
107-02-8	Acrolein	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:35	TMP
107-13-1	Acrylonitrile	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:35	TMP
71-43-2	Benzene	5200		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:01	TMP
74-97-5	Bromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:35	TMP
75-27-4	Bromodichloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:35	TMP
75-25-2	Bromoform	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:35	TMP
74-83-9	Bromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:35	TMP
75-15-0	Carbon disulfide	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:35	TMP
56-23-5	Carbon tetrachloride	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:35	TMP
108-90-7	Chlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:35	TMP
75-00-3	Chloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:35	TMP
67-66-3	Chloroform	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:35	TMP
74-87-3	Chloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:35	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:35	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:35	TMP
110-82-7	Cyclohexane	120	CCV-E	ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:35	TMP
124-48-1	Dibromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:35	TMP
74-95-3	Dibromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:35	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:35	TMP



Sample Information

Client Sample ID: 4_GW

York Sample ID: 20I0305-15

<u>York Project (SDG) No.</u> 20I0305	<u>Client Project ID</u> 140115301	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 3, 2020 3:30 pm	<u>Date Received</u> 09/08/2020
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	610		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:35	TMP
87-68-3	Hexachlorobutadiene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:35	TMP
98-82-8	Isopropylbenzene	53		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:35	TMP
79-20-9	Methyl acetate	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:35	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	2800		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:01	TMP
108-87-2	Methylcyclohexane	130		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:35	TMP
75-09-2	Methylene chloride	ND		ug/L	10	20	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:35	TMP
104-51-8	n-Butylbenzene	17	CCV-E	ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:35	TMP
103-65-1	n-Propylbenzene	110		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:35	TMP
95-47-6	o-Xylene	1100		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/09/2020 09:00	09/14/2020 17:35	TMP
179601-23-1	p- & m- Xylenes	2800		ug/L	5.0	10	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/09/2020 09:00	09/14/2020 17:35	TMP
99-87-6	p-Isopropyltoluene	6.4		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:35	TMP
135-98-8	sec-Butylbenzene	13		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:35	TMP
100-42-5	Styrene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:35	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	5.0	10	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:35	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:35	TMP
127-18-4	Tetrachloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:35	TMP
108-88-3	Toluene	6900		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:01	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:35	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:35	TMP
79-01-6	Trichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:35	TMP
75-69-4	Trichlorofluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:35	TMP



Sample Information

Client Sample ID: 4_GW

York Sample ID: 20I0305-15

<u>York Project (SDG) No.</u> 20I0305	<u>Client Project ID</u> 140115301	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 3, 2020 3:30 pm	<u>Date Received</u> 09/08/2020
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 17:35	TMP
1330-20-7	Xylenes, Total	3900		ug/L	6.0	15	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/09/2020 09:00	09/14/2020 17:35	TMP
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	96.4 %	69-130								
2037-26-5	Surrogate: SURRE: Toluene-d8	103 %	81-117								



Sample Information

Client Sample ID: 4_S

York Sample ID: 20I0305-16

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 3, 2020 3:35 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/08/2020 06:12	09/09/2020 14:58	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/08/2020 06:12	09/09/2020 14:58	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP
95-63-6	1,2,4-Trimethylbenzene	3500		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP
108-67-8	1,3,5-Trimethylbenzene	1200		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP
123-91-1	1,4-Dioxane	ND		ug/kg dry	4500	9000	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP
78-93-3	2-Butanone	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP
591-78-6	2-Hexanone	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP



Sample Information

Client Sample ID: 4_S

York Sample ID: 20I0305-16

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

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Soil

September 3, 2020 3:35 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP
67-64-1	Acetone	ND		ug/kg dry	450	900	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP
107-02-8	Acrolein	ND		ug/kg dry	450	900	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP
107-13-1	Acrylonitrile	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP
71-43-2	Benzene	630		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP
74-97-5	Bromochloromethane	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP
75-27-4	Bromodichloromethane	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP
75-25-2	Bromoform	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP
74-83-9	Bromomethane	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP
75-15-0	Carbon disulfide	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP
56-23-5	Carbon tetrachloride	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP
108-90-7	Chlorobenzene	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP
75-00-3	Chloroethane	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP
67-66-3	Chloroform	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP
74-87-3	Chloromethane	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP
110-82-7	Cyclohexane	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP
124-48-1	Dibromochloromethane	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP
74-95-3	Dibromomethane	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP
100-41-4	Ethyl Benzene	550		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP



Sample Information

Client Sample ID: 4_S

York Sample ID: 20I0305-16

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 3, 2020 3:35 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP
98-82-8	Isopropylbenzene	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP
79-20-9	Methyl acetate	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	300	J	ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP
108-87-2	Methylcyclohexane	1100		ug/kg dry	220	450	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP
75-09-2	Methylene chloride	ND		ug/kg dry	450	900	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP
104-51-8	n-Butylbenzene	490		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP
103-65-1	n-Propylbenzene	570		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP
95-47-6	o-Xylene	700		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP
179601-23-1	p- & m- Xylenes	2200		ug/kg dry	450	900	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP
135-98-8	sec-Butylbenzene	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP
100-42-5	Styrene	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP
127-18-4	Tetrachloroethylene	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP
108-88-3	Toluene	1700		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP
79-01-6	Trichloroethylene	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP
75-01-4	Vinyl Chloride	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 14:58	TMP



Sample Information

Client Sample ID: 4_S

York Sample ID: 20I0305-16

York Project (SDG) No.
20I0305

Client Project ID
140115301

Matrix
Soil

Collection Date/Time
September 3, 2020 3:35 pm

Date Received
09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1330-20-7	Xylenes, Total	2900		ug/kg dry	670	1300	100	EPA 8260C	09/08/2020 06:12	09/09/2020 14:58	TMP
Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP											
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	85.0 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	102 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	99.8 %	76-130								

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
solids	* % Solids	83.6		%	0.100	1	SM 2540G	09/15/2020 15:21	09/15/2020 16:44	WL	
Certifications: CTDOH											



Sample Information

Client Sample ID: 14_GW

York Sample ID: 20I0305-17

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Water

September 3, 2020 2:35 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP
75-34-3	1,1-Dichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP
95-63-6	1,2,4-Trimethylbenzene	65		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP
106-93-4	1,2-Dibromoethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP
107-06-2	1,2-Dichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP
78-87-5	1,2-Dichloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP
108-67-8	1,3,5-Trimethylbenzene	23		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP
123-91-1	1,4-Dioxane	ND		ug/L	200	400	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP
78-93-3	2-Butanone	32	Cal-E	ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP



Sample Information

Client Sample ID: 14_GW

York Sample ID: 20I0305-17

<u>York Project (SDG) No.</u> 20I0305	<u>Client Project ID</u> 140115301	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 3, 2020 2:35 pm	<u>Date Received</u> 09/08/2020
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP
108-10-1	4-Methyl-2-pentanone	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP
67-64-1	Acetone	500		ug/L	5.0	10	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP
107-02-8	Acrolein	12		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP
107-13-1	Acrylonitrile	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP
71-43-2	Benzene	1.3	J	ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP
74-97-5	Bromochloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP
75-27-4	Bromodichloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP
75-25-2	Bromoform	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP
74-83-9	Bromomethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP
75-15-0	Carbon disulfide	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP
56-23-5	Carbon tetrachloride	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP
108-90-7	Chlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP
75-00-3	Chloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP
67-66-3	Chloroform	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP
74-87-3	Chloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP
110-82-7	Cyclohexane	2.2	J	ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP
124-48-1	Dibromochloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP
74-95-3	Dibromomethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP



Sample Information

Client Sample ID: 14_GW

York Sample ID: 20I0305-17

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Water

September 3, 2020 2:35 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	4.1		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP
87-68-3	Hexachlorobutadiene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP
98-82-8	Isopropylbenzene	3.0		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP
79-20-9	Methyl acetate	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP
108-87-2	Methylcyclohexane	6.7		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP
75-09-2	Methylene chloride	ND		ug/L	5.0	10	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP
104-51-8	n-Butylbenzene	1.2	J	ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP
103-65-1	n-Propylbenzene	10		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP
95-47-6	o-Xylene	5.4		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/11/2020 06:56	09/11/2020 15:12	TMP
179601-23-1	p- & m- Xylenes	26		ug/L	2.5	5.0	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/11/2020 06:56	09/11/2020 15:12	TMP
99-87-6	p-Isopropyltoluene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP
135-98-8	sec-Butylbenzene	1.5	J	ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP
100-42-5	Styrene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	2.5	5.0	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP
127-18-4	Tetrachloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP
108-88-3	Toluene	1.4	J	ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP
79-01-6	Trichloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP
75-69-4	Trichlorofluoromethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP



Sample Information

Client Sample ID: 14_GW

York Sample ID: 20I0305-17

York Project (SDG) No.
20I0305

Client Project ID
140115301

Matrix
Water

Collection Date/Time
September 3, 2020 2:35 pm

Date Received
09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP
1330-20-7	Xylenes, Total	31		ug/L	3.0	7.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/11/2020 06:56	09/11/2020 15:12	TMP
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	101 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	109 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	94.0 %	79-122								



Sample Information

Client Sample ID: 14_S

York Sample ID: 20I0305-18

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 3, 2020 2:40 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/08/2020 06:12	09/09/2020 15:25	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/08/2020 06:12	09/09/2020 15:25	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP
95-63-6	1,2,4-Trimethylbenzene	1100		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP
108-67-8	1,3,5-Trimethylbenzene	430		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP
123-91-1	1,4-Dioxane	ND		ug/kg dry	4100	8200	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP
78-93-3	2-Butanone	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP
591-78-6	2-Hexanone	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP



Sample Information

Client Sample ID: 14_S

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Soil

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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP
67-64-1	Acetone	ND		ug/kg dry	410	820	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP
107-02-8	Acrolein	ND		ug/kg dry	410	820	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP
107-13-1	Acrylonitrile	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP
71-43-2	Benzene	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP
74-97-5	Bromochloromethane	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP
75-27-4	Bromodichloromethane	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP
75-25-2	Bromoform	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP
74-83-9	Bromomethane	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP
75-15-0	Carbon disulfide	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP
56-23-5	Carbon tetrachloride	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP
108-90-7	Chlorobenzene	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP
75-00-3	Chloroethane	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP
67-66-3	Chloroform	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP
74-87-3	Chloromethane	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP
110-82-7	Cyclohexane	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP
124-48-1	Dibromochloromethane	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP
74-95-3	Dibromomethane	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP
100-41-4	Ethyl Benzene	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP



Sample Information

Client Sample ID: 14_S

York Sample ID: 20I0305-18

York Project (SDG) No.

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Soil

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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP
98-82-8	Isopropylbenzene	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP
79-20-9	Methyl acetate	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP
108-87-2	Methylcyclohexane	740		ug/kg dry	200	410	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP
75-09-2	Methylene chloride	ND		ug/kg dry	410	820	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP
104-51-8	n-Butylbenzene	330	J	ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP
103-65-1	n-Propylbenzene	260	J	ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP
95-47-6	o-Xylene	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	410	820	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP
135-98-8	sec-Butylbenzene	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP
100-42-5	Styrene	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP
127-18-4	Tetrachloroethylene	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP
108-88-3	Toluene	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP
79-01-6	Trichloroethylene	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP
75-01-4	Vinyl Chloride	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:25	TMP



Sample Information

Client Sample ID: 14_S

York Sample ID: 20I0305-18

York Project (SDG) No.

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Soil

September 3, 2020 2:40 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1330-20-7	Xylenes, Total	ND		ug/kg dry	610	1200	100	EPA 8260C	09/08/2020 06:12	09/09/2020 15:25	TMP
Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP											
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	85.7 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	102 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	101 %			76-130						

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
solids	* % Solids	84.2		%	0.100	1	SM 2540G	09/15/2020 15:21	09/15/2020 16:44	WL	
Certifications: CTDOH											



Sample Information

Client Sample ID: 23_GW

York Sample ID: 20I0305-19

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Water

September 3, 2020 3:40 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:37	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:37	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:37	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:37	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:37	TMP
75-34-3	1,1-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:37	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:37	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:37	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:37	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:37	TMP
95-63-6	1,2,4-Trimethylbenzene	3400		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:56	09/10/2020 18:54	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:37	TMP
106-93-4	1,2-Dibromoethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:37	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:37	TMP
107-06-2	1,2-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:37	TMP
78-87-5	1,2-Dichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:37	TMP
108-67-8	1,3,5-Trimethylbenzene	820		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:37	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:37	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:37	TMP
123-91-1	1,4-Dioxane	ND		ug/L	400	800	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:37	TMP
78-93-3	2-Butanone	330	Cal-E	ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:37	TMP



Sample Information

Client Sample ID: 23_GW

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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:37	TMP
108-10-1	4-Methyl-2-pentanone	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:37	TMP
67-64-1	Acetone	1300		ug/L	10	20	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:37	TMP
107-02-8	Acrolein	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:37	TMP
107-13-1	Acrylonitrile	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:37	TMP
71-43-2	Benzene	130		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:37	TMP
74-97-5	Bromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:37	TMP
75-27-4	Bromodichloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:37	TMP
75-25-2	Bromoform	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:37	TMP
74-83-9	Bromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:37	TMP
75-15-0	Carbon disulfide	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:37	TMP
56-23-5	Carbon tetrachloride	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:37	TMP
108-90-7	Chlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:37	TMP
75-00-3	Chloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:37	TMP
67-66-3	Chloroform	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:37	TMP
74-87-3	Chloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:37	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:37	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:37	TMP
110-82-7	Cyclohexane	40		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:37	TMP
124-48-1	Dibromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:37	TMP
74-95-3	Dibromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:37	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:37	TMP



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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	640		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:37	TMP
87-68-3	Hexachlorobutadiene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:37	TMP
98-82-8	Isopropylbenzene	140		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:37	TMP
79-20-9	Methyl acetate	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:37	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	900		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:37	TMP
108-87-2	Methylcyclohexane	180		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:37	TMP
75-09-2	Methylene chloride	ND		ug/L	10	20	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:37	TMP
104-51-8	n-Butylbenzene	43		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:37	TMP
103-65-1	n-Propylbenzene	390		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:37	TMP
95-47-6	o-Xylene	1000		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/11/2020 06:56	09/11/2020 15:37	TMP
179601-23-1	p- & m- Xylenes	2800		ug/L	5.0	10	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/11/2020 06:56	09/11/2020 15:37	TMP
99-87-6	p-Isopropyltoluene	19		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:37	TMP
135-98-8	sec-Butylbenzene	32		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:37	TMP
100-42-5	Styrene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:37	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	5.0	10	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:37	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:37	TMP
127-18-4	Tetrachloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:37	TMP
108-88-3	Toluene	340		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:37	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:37	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:37	TMP
79-01-6	Trichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:37	TMP
75-69-4	Trichlorofluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 15:37	TMP



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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	2.0	5.0	10	EPA 8260C	09/11/2020 06:56	09/11/2020 15:37	TMP
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP			
1330-20-7	Xylenes, Total	3800		ug/L	6.0	15	10	EPA 8260C	09/11/2020 06:56	09/11/2020 15:37	TMP
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
	Surrogate Recoveries	Result						Acceptance Range			
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	78.0 %						69-130			
2037-26-5	Surrogate: SURR: Toluene-d8	103 %						81-117			
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	100 %						79-122			



Sample Information

Client Sample ID: 23_S

York Sample ID: 20I0305-20

York Project (SDG) No.

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Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	210	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	210	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	210	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	210	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/08/2020 06:12	09/09/2020 15:53	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	210	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	210	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	210	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	210	410	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	210	410	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/08/2020 06:12	09/09/2020 15:53	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	210	410	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP
95-63-6	1,2,4-Trimethylbenzene	14000		ug/kg dry	210	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	210	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	210	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	210	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	210	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	210	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP
108-67-8	1,3,5-Trimethylbenzene	4600		ug/kg dry	210	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	210	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	210	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP
123-91-1	1,4-Dioxane	ND		ug/kg dry	4100	8300	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP
78-93-3	2-Butanone	ND		ug/kg dry	210	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP
591-78-6	2-Hexanone	ND		ug/kg dry	210	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP



Sample Information

Client Sample ID: 23_S

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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	210	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP
67-64-1	Acetone	ND		ug/kg dry	410	830	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP
107-02-8	Acrolein	ND		ug/kg dry	410	830	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP
107-13-1	Acrylonitrile	ND		ug/kg dry	210	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP
71-43-2	Benzene	ND		ug/kg dry	210	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP
74-97-5	Bromochloromethane	ND		ug/kg dry	210	410	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP
75-27-4	Bromodichloromethane	ND		ug/kg dry	210	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP
75-25-2	Bromoform	ND		ug/kg dry	210	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP
74-83-9	Bromomethane	ND		ug/kg dry	210	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP
75-15-0	Carbon disulfide	ND		ug/kg dry	210	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP
56-23-5	Carbon tetrachloride	ND		ug/kg dry	210	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP
108-90-7	Chlorobenzene	ND		ug/kg dry	210	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP
75-00-3	Chloroethane	ND		ug/kg dry	210	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP
67-66-3	Chloroform	ND		ug/kg dry	210	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP
74-87-3	Chloromethane	ND		ug/kg dry	210	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	210	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	210	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP
110-82-7	Cyclohexane	ND		ug/kg dry	210	410	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP
124-48-1	Dibromochloromethane	ND		ug/kg dry	210	410	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP
74-95-3	Dibromomethane	ND		ug/kg dry	210	410	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	210	410	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP
100-41-4	Ethyl Benzene	1300		ug/kg dry	210	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP



Sample Information

Client Sample ID: 23_S

York Sample ID: 20I0305-20

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 3, 2020 3:45 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	210	410	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP
98-82-8	Isopropylbenzene	640		ug/kg dry	210	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP
79-20-9	Methyl acetate	ND		ug/kg dry	210	410	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	210	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP
108-87-2	Methylcyclohexane	2500		ug/kg dry	210	410	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP
75-09-2	Methylene chloride	ND		ug/kg dry	410	830	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP
104-51-8	n-Butylbenzene	1900		ug/kg dry	210	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP
103-65-1	n-Propylbenzene	2400		ug/kg dry	210	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP
95-47-6	o-Xylene	1800		ug/kg dry	210	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP
179601-23-1	p- & m- Xylenes	5700		ug/kg dry	410	830	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP
99-87-6	p-Isopropyltoluene	240	J	ug/kg dry	210	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP
135-98-8	sec-Butylbenzene	420		ug/kg dry	210	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP
100-42-5	Styrene	ND		ug/kg dry	210	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	210	410	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	210	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP
127-18-4	Tetrachloroethylene	ND		ug/kg dry	210	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP
108-88-3	Toluene	260	J	ug/kg dry	210	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	210	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	210	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP
79-01-6	Trichloroethylene	ND		ug/kg dry	210	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	210	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP
75-01-4	Vinyl Chloride	ND		ug/kg dry	210	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 15:53	TMP



Sample Information

Client Sample ID: 23_S

York Sample ID: 20I0305-20

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 3, 2020 3:45 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1330-20-7	Xylenes, Total	7600		ug/kg dry	620	1200	100	EPA 8260C	09/08/2020 06:12	09/09/2020 15:53	TMP
Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP											
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	67.7 %	S-03	77-125							
2037-26-5	Surrogate: SURR: Toluene-d8	102 %		85-120							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	97.6 %		76-130							

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
solids	* % Solids	82.4		%	0.100	1	SM 2540G	09/15/2020 15:21	09/15/2020 16:44	WL	
Certifications: CTDOH											



Sample Information

Client Sample ID: 24_GW

York Sample ID: 20I0305-21

<u>York Project (SDG) No.</u> 20I0305	<u>Client Project ID</u> 140115301	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 3, 2020 4:00 pm	<u>Date Received</u> 09/08/2020
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:24	09/10/2020 19:19	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:24	09/10/2020 19:19	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:24	09/10/2020 19:19	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:24	09/10/2020 19:19	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:24	09/10/2020 19:19	TMP
75-34-3	1,1-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:24	09/10/2020 19:19	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:24	09/10/2020 19:19	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:24	09/10/2020 19:19	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:24	09/10/2020 19:19	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:24	09/10/2020 19:19	TMP
95-63-6	1,2,4-Trimethylbenzene	3700		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:24	09/11/2020 16:54	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:24	09/10/2020 19:19	TMP
106-93-4	1,2-Dibromoethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:24	09/10/2020 19:19	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:24	09/10/2020 19:19	TMP
107-06-2	1,2-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:24	09/10/2020 19:19	TMP
78-87-5	1,2-Dichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:24	09/10/2020 19:19	TMP
108-67-8	1,3,5-Trimethylbenzene	890		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:24	09/10/2020 19:19	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:24	09/10/2020 19:19	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:24	09/10/2020 19:19	TMP
123-91-1	1,4-Dioxane	ND		ug/L	400	800	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:24	09/10/2020 19:19	TMP
78-93-3	2-Butanone	310	Cal-E	ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:24	09/10/2020 19:19	TMP



Sample Information

Client Sample ID: 24_GW

York Sample ID: 20I0305-21

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Water

September 3, 2020 4:00 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:24	09/10/2020 19:19	TMP
108-10-1	4-Methyl-2-pentanone	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:24	09/10/2020 19:19	TMP
67-64-1	Acetone	1100		ug/L	10	20	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:24	09/10/2020 19:19	TMP
107-02-8	Acrolein	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:24	09/10/2020 19:19	TMP
107-13-1	Acrylonitrile	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:24	09/10/2020 19:19	TMP
71-43-2	Benzene	110	QL-02	ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:24	09/10/2020 19:19	TMP
74-97-5	Bromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:24	09/10/2020 19:19	TMP
75-27-4	Bromodichloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:24	09/10/2020 19:19	TMP
75-25-2	Bromoform	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:24	09/10/2020 19:19	TMP
74-83-9	Bromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:24	09/10/2020 19:19	TMP
75-15-0	Carbon disulfide	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:24	09/10/2020 19:19	TMP
56-23-5	Carbon tetrachloride	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:24	09/10/2020 19:19	TMP
108-90-7	Chlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:24	09/10/2020 19:19	TMP
75-00-3	Chloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:24	09/10/2020 19:19	TMP
67-66-3	Chloroform	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:24	09/10/2020 19:19	TMP
74-87-3	Chloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:24	09/10/2020 19:19	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:24	09/10/2020 19:19	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:24	09/10/2020 19:19	TMP
110-82-7	Cyclohexane	36		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:24	09/10/2020 19:19	TMP
124-48-1	Dibromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:24	09/10/2020 19:19	TMP
74-95-3	Dibromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:24	09/10/2020 19:19	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:24	09/10/2020 19:19	TMP



Sample Information

Client Sample ID: 24_GW

York Sample ID: 20I0305-21

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Water

September 3, 2020 4:00 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	640		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:24	09/10/2020 19:19	TMP
87-68-3	Hexachlorobutadiene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:24	09/10/2020 19:19	TMP
98-82-8	Isopropylbenzene	140		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:24	09/10/2020 19:19	TMP
79-20-9	Methyl acetate	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:24	09/10/2020 19:19	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	860		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:24	09/10/2020 19:19	TMP
108-87-2	Methylcyclohexane	200		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:24	09/10/2020 19:19	TMP
75-09-2	Methylene chloride	ND		ug/L	10	20	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:24	09/10/2020 19:19	TMP
104-51-8	n-Butylbenzene	68		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:24	09/10/2020 19:19	TMP
103-65-1	n-Propylbenzene	420		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:24	09/10/2020 19:19	TMP
95-47-6	o-Xylene	1100		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/10/2020 06:24	09/10/2020 19:19	TMP
179601-23-1	p- & m- Xylenes	2900		ug/L	5.0	10	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/10/2020 06:24	09/10/2020 19:19	TMP
99-87-6	p-Isopropyltoluene	23		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:24	09/10/2020 19:19	TMP
135-98-8	sec-Butylbenzene	38		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:24	09/10/2020 19:19	TMP
100-42-5	Styrene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:24	09/10/2020 19:19	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	5.0	10	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:24	09/10/2020 19:19	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:24	09/10/2020 19:19	TMP
127-18-4	Tetrachloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:24	09/10/2020 19:19	TMP
108-88-3	Toluene	310		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:24	09/10/2020 19:19	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:24	09/10/2020 19:19	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:24	09/10/2020 19:19	TMP
79-01-6	Trichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:24	09/10/2020 19:19	TMP
75-69-4	Trichlorofluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/10/2020 06:24	09/10/2020 19:19	TMP



Sample Information

Client Sample ID: 24_GW

York Sample ID: 20I0305-21

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Water

September 3, 2020 4:00 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	2.0	5.0	10	EPA 8260C	09/10/2020 06:24	09/10/2020 19:19	TMP
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP			
1330-20-7	Xylenes, Total	4000		ug/L	6.0	15	10	EPA 8260C	09/10/2020 06:24	09/10/2020 19:19	TMP
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
	Surrogate Recoveries	Result						Acceptance Range			
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	72.1 %						69-130			
2037-26-5	Surrogate: SURR: Toluene-d8	103 %						81-117			
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	101 %						79-122			



Sample Information

Client Sample ID: 24_S

York Sample ID: 20I0305-22

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 3, 2020 4:05 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	220	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	220	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	220	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	220	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/08/2020 06:12	09/09/2020 16:20	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	220	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	220	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	220	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	220	430	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	220	430	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/08/2020 06:12	09/09/2020 16:20	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	220	430	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP
95-63-6	1,2,4-Trimethylbenzene	13000		ug/kg dry	220	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	220	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	220	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	220	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	220	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	220	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP
108-67-8	1,3,5-Trimethylbenzene	4400		ug/kg dry	220	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	220	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	220	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP
123-91-1	1,4-Dioxane	ND		ug/kg dry	4300	8700	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP
78-93-3	2-Butanone	ND		ug/kg dry	220	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP
591-78-6	2-Hexanone	ND		ug/kg dry	220	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP



Sample Information

Client Sample ID: 24_S

York Sample ID: 20I0305-22

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 3, 2020 4:05 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	220	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP
67-64-1	Acetone	ND		ug/kg dry	430	870	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP
107-02-8	Acrolein	ND		ug/kg dry	430	870	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP
107-13-1	Acrylonitrile	ND		ug/kg dry	220	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP
71-43-2	Benzene	ND		ug/kg dry	220	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP
74-97-5	Bromochloromethane	ND		ug/kg dry	220	430	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP
75-27-4	Bromodichloromethane	ND		ug/kg dry	220	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP
75-25-2	Bromoform	ND		ug/kg dry	220	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP
74-83-9	Bromomethane	ND		ug/kg dry	220	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP
75-15-0	Carbon disulfide	ND		ug/kg dry	220	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP
56-23-5	Carbon tetrachloride	ND		ug/kg dry	220	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP
108-90-7	Chlorobenzene	ND		ug/kg dry	220	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP
75-00-3	Chloroethane	ND		ug/kg dry	220	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP
67-66-3	Chloroform	ND		ug/kg dry	220	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP
74-87-3	Chloromethane	ND		ug/kg dry	220	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	220	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	220	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP
110-82-7	Cyclohexane	ND		ug/kg dry	220	430	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP
124-48-1	Dibromochloromethane	ND		ug/kg dry	220	430	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP
74-95-3	Dibromomethane	ND		ug/kg dry	220	430	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	220	430	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP
100-41-4	Ethyl Benzene	1200		ug/kg dry	220	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP



Sample Information

Client Sample ID: 24_S

York Sample ID: 20I0305-22

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 3, 2020 4:05 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	220	430	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP
98-82-8	Isopropylbenzene	600		ug/kg dry	220	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP
79-20-9	Methyl acetate	ND		ug/kg dry	220	430	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	220	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP
108-87-2	Methylcyclohexane	2000		ug/kg dry	220	430	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP
75-09-2	Methylene chloride	ND		ug/kg dry	430	870	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP
104-51-8	n-Butylbenzene	1800		ug/kg dry	220	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP
103-65-1	n-Propylbenzene	2300		ug/kg dry	220	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP
95-47-6	o-Xylene	1800		ug/kg dry	220	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP
179601-23-1	p- & m- Xylenes	5600		ug/kg dry	430	870	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP
99-87-6	p-Isopropyltoluene	230	J	ug/kg dry	220	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP
135-98-8	sec-Butylbenzene	400	J	ug/kg dry	220	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP
100-42-5	Styrene	ND		ug/kg dry	220	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	220	430	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	220	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP
127-18-4	Tetrachloroethylene	ND		ug/kg dry	220	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP
108-88-3	Toluene	260	J	ug/kg dry	220	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	220	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	220	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP
79-01-6	Trichloroethylene	ND		ug/kg dry	220	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	220	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP
75-01-4	Vinyl Chloride	ND		ug/kg dry	220	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/09/2020 16:20	TMP



Sample Information

Client Sample ID: 24_S

York Sample ID: 20I0305-22

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 3, 2020 4:05 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1330-20-7	Xylenes, Total	7300		ug/kg dry	650	1300	100	EPA 8260C	09/08/2020 06:12	09/09/2020 16:20	TMP
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
	Surrogate Recoveries	Result						Acceptance Range			
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	75.0 %	S-03					77-125			
2037-26-5	Surrogate: SURR: Toluene-d8	102 %						85-120			
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	99.3 %						76-130			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	84.0		%	0.100	1	SM 2540G	09/15/2020 15:21	09/15/2020 16:44	WL
							Certifications: CTDOH			



Sample Information

Client Sample ID: 23 24_GW

York Sample ID: 20I0305-23

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Water

September 3, 2020 3:40 pm

09/08/2020

Metals, Target Analyte, ICP Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	9.99		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:37	KML
7440-39-3	Barium	0.119		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:37	KML
7440-70-2	Calcium	56.5		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:37	KML
7440-47-3	Chromium	0.203		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:37	KML
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:37	KML
7440-50-8	Copper	0.383		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:37	KML
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:37	KML
7439-92-1	Lead	0.0354		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:37	KML
7439-95-4	Magnesium	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:37	KML
7439-96-5	Manganese	0.00720		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:37	KML
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:37	KML
7440-09-7	Potassium	15.6		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:37	KML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:37	KML
7440-23-5	Sodium	6050		mg/L	5.56	10	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/15/2020 11:46	KML
7440-62-2	Vanadium	1.46		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:37	KML
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:37	KML

Metals, Target Analyte, ICPMS Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	6.40		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:45	09/10/2020 12:24	BML
7440-38-2	Arsenic	243		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:45	09/10/2020 12:24	BML



Sample Information

Client Sample ID: 23 24_GW

York Sample ID: 20I0305-23

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Water

September 3, 2020 3:40 pm

09/08/2020

Metals, Target Analyte, ICPMS Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:45	09/10/2020 12:24	BML
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:45	09/10/2020 12:24	BML
7782-49-2	Selenium	129		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:45	09/10/2020 12:24	BML
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:45	09/10/2020 12:24	BML

Mercury by 7473, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002000	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 11:44	09/09/2020 14:40	SY



Sample Information

Client Sample ID: 23 24_S

York Sample ID: 20I0305-24

York Project (SDG) No. 20I0305

Client Project ID 140115301

Matrix Soil

Collection Date/Time September 3, 2020 3:45 pm

Date Received 09/08/2020

Analyzed by: Phoenix Environmental Laboratories, Inc. S

Total Organic Carbon (TOC-SUB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: *** DEFAULT PREP ***

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: Total Organic Carbon (TOC), 759, mg/kg, 100, 1, SW9060A, 09/09/2020 00:00, 09/10/2020 00:00, PHO. Certifications: below Reference Method.



Sample Information

Client Sample ID: 25_GW

York Sample ID: 20I0305-25

<u>York Project (SDG) No.</u> 20I0305	<u>Client Project ID</u> 140115301	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 4, 2020 11:00 am	<u>Date Received</u> 09/08/2020
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP
95-63-6	1,2,4-Trimethylbenzene	57		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP
108-67-8	1,3,5-Trimethylbenzene	27		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP
123-91-1	1,4-Dioxane	ND		ug/L	40	80	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP
78-93-3	2-Butanone	48	Cal-E, CCV-E	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP



Sample Information

Client Sample ID: 25_GW

York Sample ID: 20I0305-25

<u>York Project (SDG) No.</u> 20I0305	<u>Client Project ID</u> 140115301	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 4, 2020 11:00 am	<u>Date Received</u> 09/08/2020
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP
67-64-1	Acetone	600		ug/L	20	40	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:02	TMP
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP
71-43-2	Benzene	0.89		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP
74-83-9	Bromomethane	0.46	CCV-E, J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP



Sample Information

Client Sample ID: 25_GW

York Sample ID: 20I0305-25

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Water

September 4, 2020 11:00 am

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	4.0		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP
98-82-8	Isopropylbenzene	5.6		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP
108-87-2	Methylcyclohexane	20		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP
104-51-8	n-Butylbenzene	7.0	CCV-E	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP
103-65-1	n-Propylbenzene	19		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP
95-47-6	o-Xylene	4.9		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/09/2020 09:00	09/14/2020 18:27	TMP
179601-23-1	p- & m- Xylenes	18		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/09/2020 09:00	09/14/2020 18:27	TMP
99-87-6	p-Isopropyltoluene	2.5		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP
135-98-8	sec-Butylbenzene	5.5		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP
98-06-6	tert-Butylbenzene	0.34	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP
108-88-3	Toluene	1.5		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP



Sample Information

Client Sample ID: 25_GW

York Sample ID: 20I0305-25

York Project (SDG) No.
20I0305

Client Project ID
140115301

Matrix
Water

Collection Date/Time
September 4, 2020 11:00 am

Date Received
09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP
1330-20-7	Xylenes, Total	23		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/09/2020 09:00	09/14/2020 18:27	TMP
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	82.8 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	101 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	96.0 %	79-122								



Sample Information

Client Sample ID: 25_S

York Sample ID: 20I0305-26

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 4, 2020 11:05 am

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	260	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	260	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	260	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	260	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/11/2020 06:12	09/11/2020 16:03	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	260	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	260	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	260	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	260	530	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	260	530	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/11/2020 06:12	09/11/2020 16:03	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	260	530	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP
95-63-6	1,2,4-Trimethylbenzene	1200		ug/kg dry	260	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	260	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	260	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	260	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	260	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	260	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP
108-67-8	1,3,5-Trimethylbenzene	610		ug/kg dry	260	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	260	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	260	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP
123-91-1	1,4-Dioxane	ND		ug/kg dry	5300	11000	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP
78-93-3	2-Butanone	ND		ug/kg dry	260	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP
591-78-6	2-Hexanone	ND		ug/kg dry	260	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP



Sample Information

Client Sample ID: 25_S

York Sample ID: 20I0305-26

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 4, 2020 11:05 am

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	260	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP
67-64-1	Acetone	ND		ug/kg dry	530	1100	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP
107-02-8	Acrolein	ND		ug/kg dry	530	1100	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP
107-13-1	Acrylonitrile	ND		ug/kg dry	260	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP
71-43-2	Benzene	ND		ug/kg dry	260	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP
74-97-5	Bromochloromethane	ND		ug/kg dry	260	530	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP
75-27-4	Bromodichloromethane	ND		ug/kg dry	260	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP
75-25-2	Bromoform	ND		ug/kg dry	260	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP
74-83-9	Bromomethane	ND		ug/kg dry	260	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP
75-15-0	Carbon disulfide	ND		ug/kg dry	260	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP
56-23-5	Carbon tetrachloride	ND		ug/kg dry	260	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP
108-90-7	Chlorobenzene	ND		ug/kg dry	260	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP
75-00-3	Chloroethane	ND		ug/kg dry	260	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP
67-66-3	Chloroform	ND		ug/kg dry	260	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP
74-87-3	Chloromethane	ND		ug/kg dry	260	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	260	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	260	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP
110-82-7	Cyclohexane	ND		ug/kg dry	260	530	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP
124-48-1	Dibromochloromethane	ND		ug/kg dry	260	530	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP
74-95-3	Dibromomethane	ND		ug/kg dry	260	530	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	260	530	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP
100-41-4	Ethyl Benzene	ND		ug/kg dry	260	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP



Sample Information

Client Sample ID: 25_S

York Sample ID: 20I0305-26

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 4, 2020 11:05 am

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	260	530	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP
98-82-8	Isopropylbenzene	ND		ug/kg dry	260	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP
79-20-9	Methyl acetate	ND		ug/kg dry	260	530	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	260	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP
108-87-2	Methylcyclohexane	1000		ug/kg dry	260	530	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP
75-09-2	Methylene chloride	ND		ug/kg dry	530	1100	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP
104-51-8	n-Butylbenzene	930		ug/kg dry	260	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP
103-65-1	n-Propylbenzene	390	J	ug/kg dry	260	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP
95-47-6	o-Xylene	ND		ug/kg dry	260	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	530	1100	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	260	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP
135-98-8	sec-Butylbenzene	ND		ug/kg dry	260	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP
100-42-5	Styrene	ND		ug/kg dry	260	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	260	530	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	260	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP
127-18-4	Tetrachloroethylene	ND		ug/kg dry	260	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP
108-88-3	Toluene	ND		ug/kg dry	260	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	260	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	260	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP
79-01-6	Trichloroethylene	ND		ug/kg dry	260	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	260	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP
75-01-4	Vinyl Chloride	ND		ug/kg dry	260	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:03	TMP



Sample Information

Client Sample ID: 25_S

York Sample ID: 20I0305-26

York Project (SDG) No.
20I0305

Client Project ID
140115301

Matrix
Soil

Collection Date/Time
September 4, 2020 11:05 am

Date Received
09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1330-20-7	Xylenes, Total	ND		ug/kg dry	790	1600	100	EPA 8260C	09/11/2020 06:12	09/11/2020 16:03	TMP
Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP											
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	81.7 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	97.7 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	91.3 %	76-130								

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
solids	* % Solids	81.2		%	0.100	1	SM 2540G	09/15/2020 15:21	09/15/2020 16:44	WL	
Certifications: CTDOH											



Sample Information

Client Sample ID: 26_GW

York Sample ID: 20I0305-27

<u>York Project (SDG) No.</u> 20I0305	<u>Client Project ID</u> 140115301	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 4, 2020 11:30 am	<u>Date Received</u> 09/08/2020
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP
95-63-6	1,2,4-Trimethylbenzene	150		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP
108-67-8	1,3,5-Trimethylbenzene	50		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP
123-91-1	1,4-Dioxane	ND		ug/L	40	80	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP
78-93-3	2-Butanone	64	Cal-E, CCV-E	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP



Sample Information

Client Sample ID: 26_GW

York Sample ID: 20I0305-27

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Water

September 4, 2020 11:30 am

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP
67-64-1	Acetone	610		ug/L	20	40	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:28	TMP
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP
71-43-2	Benzene	1.5		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP
74-83-9	Bromomethane	0.79	CCV-E	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP
74-87-3	Chloromethane	0.21	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP
110-82-7	Cyclohexane	0.71	CCV-E	ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP



Sample Information

Client Sample ID: 26_GW

York Sample ID: 20I0305-27

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Water

September 4, 2020 11:30 am

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	20		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP
98-82-8	Isopropylbenzene	8.7		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP
108-87-2	Methylcyclohexane	9.5		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP
104-51-8	n-Butylbenzene	4.6	CCV-E	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP
103-65-1	n-Propylbenzene	25		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP
95-47-6	o-Xylene	30		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/09/2020 09:00	09/14/2020 18:52	TMP
179601-23-1	p- & m- Xylenes	95		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/09/2020 09:00	09/14/2020 18:52	TMP
99-87-6	p-Isopropyltoluene	2.0		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP
135-98-8	sec-Butylbenzene	4.0		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP
98-06-6	tert-Butylbenzene	0.29	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP
108-88-3	Toluene	5.6		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP



Sample Information

Client Sample ID: 26_GW

York Sample ID: 20I0305-27

York Project (SDG) No.
20I0305

Client Project ID
140115301

Matrix
Water

Collection Date/Time
September 4, 2020 11:30 am

Date Received
09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP
1330-20-7	Xylenes, Total	130		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/09/2020 09:00	09/14/2020 18:52	TMP
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	112 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	99.5 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	96.5 %	79-122								



Sample Information

Client Sample ID: 26_S

York Sample ID: 20I0305-28

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 4, 2020 11:35 am

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:23	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:23	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:23	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/09/2020 06:49	09/10/2020 01:23	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:23	TMP
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:23	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:23	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:23	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/09/2020 06:49	09/10/2020 01:23	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:23	TMP
95-63-6	1,2,4-Trimethylbenzene	2600		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:55	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:23	TMP
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:23	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:23	TMP
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:23	TMP
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:23	TMP
108-67-8	1,3,5-Trimethylbenzene	970		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:55	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:23	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:23	TMP
123-91-1	1,4-Dioxane	ND		ug/kg dry	48	95	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:23	TMP
78-93-3	2-Butanone	34	Cal-E	ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:23	TMP
591-78-6	2-Hexanone	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:23	TMP



Sample Information

Client Sample ID: 26_S

York Sample ID: 20I0305-28

York Project (SDG) No.

Client Project ID

Matrix

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Soil

September 4, 2020 11:35 am

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:23	TMP
67-64-1	Acetone	150	CCV-E, ICV-E	ug/kg dry	4.8	9.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:23	TMP
107-02-8	Acrolein	ND		ug/kg dry	4.8	9.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:23	TMP
107-13-1	Acrylonitrile	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:23	TMP
71-43-2	Benzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:23	TMP
74-97-5	Bromochloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:23	TMP
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:23	TMP
75-25-2	Bromoform	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:23	TMP
74-83-9	Bromomethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:23	TMP
75-15-0	Carbon disulfide	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:23	TMP
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:23	TMP
108-90-7	Chlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:23	TMP
75-00-3	Chloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:23	TMP
67-66-3	Chloroform	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:23	TMP
74-87-3	Chloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:23	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:23	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:23	TMP
110-82-7	Cyclohexane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:23	TMP
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:23	TMP
74-95-3	Dibromomethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:23	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:23	TMP
100-41-4	Ethyl Benzene	89		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:23	TMP



Sample Information

Client Sample ID: 26_S

York Sample ID: 20I0305-28

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Soil

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09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:23	TMP
98-82-8	Isopropylbenzene	46		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:23	TMP
79-20-9	Methyl acetate	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:23	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:23	TMP
108-87-2	Methylcyclohexane	170		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:23	TMP
75-09-2	Methylene chloride	ND		ug/kg dry	4.8	9.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:23	TMP
104-51-8	n-Butylbenzene	120		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:23	TMP
103-65-1	n-Propylbenzene	540		ug/kg dry	240	480	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 16:55	TMP
95-47-6	o-Xylene	130		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/09/2020 06:49	09/10/2020 01:23	TMP
179601-23-1	p- & m- Xylenes	270		ug/kg dry	4.8	9.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/09/2020 06:49	09/10/2020 01:23	TMP
99-87-6	p-Isopropyltoluene	18		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:23	TMP
135-98-8	sec-Butylbenzene	46		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:23	TMP
100-42-5	Styrene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:23	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:23	TMP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:23	TMP
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:23	TMP
108-88-3	Toluene	9.1		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:23	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:23	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:23	TMP
79-01-6	Trichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:23	TMP
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:23	TMP
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:23	TMP



Sample Information

Client Sample ID: 26_S

York Sample ID: 20I0305-28

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Soil

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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1330-20-7	Xylenes, Total	400		ug/kg dry	7.2	14	1	EPA 8260C	09/09/2020 06:49	09/10/2020 01:23	TMP
Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP											
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	99.2 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	93.5 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	97.9 %	76-130								

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
solids	* % Solids	81.2		%	0.100	1	SM 2540G	09/15/2020 15:21	09/15/2020 16:44	WL	
Certifications: CTDOH											



Sample Information

Client Sample ID: 25 26_GW

York Sample ID: 20I0305-29

York Project (SDG) No.

Client Project ID

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Water

September 4, 2020 11:00 am

09/08/2020

Metals, Target Analyte, ICP Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	167		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:40	KML
7440-39-3	Barium	0.0536		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:40	KML
7440-70-2	Calcium	14.5		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:40	KML
7440-47-3	Chromium	0.756		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:40	KML
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:40	KML
7440-50-8	Copper	0.117		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:40	KML
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:40	KML
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:40	KML
7439-95-4	Magnesium	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:40	KML
7439-96-5	Manganese	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:40	KML
7440-02-0	Nickel	0.0111		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:40	KML
7440-09-7	Potassium	40.6		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:40	KML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:40	KML
7440-23-5	Sodium	31900		mg/L	55.6	100	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/22/2020 12:33	KML
7440-62-2	Vanadium	2.40		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:40	KML
7440-66-6	Zinc	0.250		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:40	KML

Metals, Target Analyte, ICPMS Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	4.71		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:45	09/10/2020 12:27	BML
7440-38-2	Arsenic	867		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:45	09/10/2020 12:27	BML



Sample Information

Client Sample ID: 25 26_GW

York Sample ID: 20I0305-29

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Metals, Target Analyte, ICPMS Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:45	09/10/2020 12:27	BML
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:45	09/10/2020 12:27	BML
7782-49-2	Selenium	262		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:45	09/10/2020 12:27	BML
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:45	09/10/2020 12:27	BML

Mercury by 7473, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002000	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 11:44	09/09/2020 14:50	SY



Sample Information

Client Sample ID: 25 26_S

York Sample ID: 20I0305-30

York Project (SDG) No. 20I0305

Client Project ID 140115301

Matrix Soil

Collection Date/Time September 4, 2020 11:05 am

Date Received 09/08/2020

Analyzed by: Phoenix Environmental Laboratories, Inc. S

Total Organic Carbon (TOC-SUB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: *** DEFAULT PREP ***

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: Total Organic Carbon (TOC), 435, mg/kg, 100, 1, SW9060A, 09/09/2020 00:00, 09/10/2020 00:00, PHO. Certifications: below Reference Method.



Sample Information

Client Sample ID: 15_GW

York Sample ID: 20I0305-31

<u>York Project (SDG) No.</u> 20I0305	<u>Client Project ID</u> 140115301	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 4, 2020 10:30 am	<u>Date Received</u> 09/08/2020
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP
75-34-3	1,1-Dichloroethane	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	10	25	50	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	10	25	50	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	10	25	50	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP
95-63-6	1,2,4-Trimethylbenzene	4800		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP
106-93-4	1,2-Dibromoethane	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP
107-06-2	1,2-Dichloroethane	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP
78-87-5	1,2-Dichloropropane	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP
108-67-8	1,3,5-Trimethylbenzene	1400		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP
123-91-1	1,4-Dioxane	ND		ug/L	2000	4000	50	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP
78-93-3	2-Butanone	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP



Sample Information

Client Sample ID: 15_GW

York Sample ID: 20I0305-31

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Water

September 4, 2020 10:30 am

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP
108-10-1	4-Methyl-2-pentanone	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP
67-64-1	Acetone	98	J	ug/L	50	100	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP
107-02-8	Acrolein	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP
107-13-1	Acrylonitrile	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP
71-43-2	Benzene	3500		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP
74-97-5	Bromochloromethane	ND		ug/L	10	25	50	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP
75-27-4	Bromodichloromethane	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP
75-25-2	Bromoform	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP
74-83-9	Bromomethane	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP
75-15-0	Carbon disulfide	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP
56-23-5	Carbon tetrachloride	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP
108-90-7	Chlorobenzene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP
75-00-3	Chloroethane	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP
67-66-3	Chloroform	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP
74-87-3	Chloromethane	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP
110-82-7	Cyclohexane	140		ug/L	10	25	50	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP
124-48-1	Dibromochloromethane	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP
74-95-3	Dibromomethane	ND		ug/L	10	25	50	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/L	10	25	50	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP



Sample Information

Client Sample ID: 15_GW

York Sample ID: 20I0305-31

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Water

September 4, 2020 10:30 am

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	550		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP
87-68-3	Hexachlorobutadiene	ND		ug/L	10	25	50	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP
98-82-8	Isopropylbenzene	170		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP
79-20-9	Methyl acetate	ND		ug/L	10	25	50	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	2900		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP
108-87-2	Methylcyclohexane	310		ug/L	10	25	50	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP
75-09-2	Methylene chloride	ND		ug/L	50	100	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP
104-51-8	n-Butylbenzene	52		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP
103-65-1	n-Propylbenzene	150		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP
95-47-6	o-Xylene	3900		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/15/2020 06:05	09/15/2020 13:53	TMP
179601-23-1	p- & m- Xylenes	8700		ug/L	25	50	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/15/2020 06:05	09/15/2020 13:53	TMP
99-87-6	p-Isopropyltoluene	28		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP
135-98-8	sec-Butylbenzene	48		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP
100-42-5	Styrene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	25	50	50	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP
127-18-4	Tetrachloroethylene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP
108-88-3	Toluene	5700		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP
79-01-6	Trichloroethylene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP
75-69-4	Trichlorofluoromethane	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP



Sample Information

Client Sample ID: 15_GW

York Sample ID: 20I0305-31

York Project (SDG) No.
20I0305

Client Project ID
140115301

Matrix
Water

Collection Date/Time
September 4, 2020 10:30 am

Date Received
09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP
1330-20-7	Xylenes, Total	13000		ug/L	30	75	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/15/2020 06:05	09/15/2020 13:53	TMP
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	96.5 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	102 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	95.7 %	79-122								



Sample Information

Client Sample ID: 15_S

York Sample ID: 20I0305-32

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 4, 2020 10:35 am

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:49	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:49	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:49	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/09/2020 06:49	09/10/2020 01:49	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:49	TMP
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:49	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:49	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:49	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/09/2020 06:49	09/10/2020 01:49	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:49	TMP
95-63-6	1,2,4-Trimethylbenzene	36		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:49	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:49	TMP
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:49	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:49	TMP
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:49	TMP
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:49	TMP
108-67-8	1,3,5-Trimethylbenzene	3600		ug/kg dry	250	510	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:21	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:49	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:49	TMP
123-91-1	1,4-Dioxane	ND		ug/kg dry	51	100	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:49	TMP
78-93-3	2-Butanone	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:49	TMP
591-78-6	2-Hexanone	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:49	TMP



Sample Information

Client Sample ID: 15_S

York Sample ID: 20I0305-32

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 4, 2020 10:35 am

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:49	TMP
67-64-1	Acetone	32	CCV-E, ICV-E	ug/kg dry	5.1	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:49	TMP
107-02-8	Acrolein	ND		ug/kg dry	5.1	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:49	TMP
107-13-1	Acrylonitrile	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:49	TMP
71-43-2	Benzene	100		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:49	TMP
74-97-5	Bromochloromethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:49	TMP
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:49	TMP
75-25-2	Bromoform	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:49	TMP
74-83-9	Bromomethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:49	TMP
75-15-0	Carbon disulfide	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:49	TMP
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:49	TMP
108-90-7	Chlorobenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:49	TMP
75-00-3	Chloroethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:49	TMP
67-66-3	Chloroform	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:49	TMP
74-87-3	Chloromethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:49	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:49	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:49	TMP
110-82-7	Cyclohexane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:49	TMP
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:49	TMP
74-95-3	Dibromomethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:49	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:49	TMP
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:49	TMP



Sample Information

Client Sample ID: 15_S

York Sample ID: 20I0305-32

York Project (SDG) No.

Client Project ID

Matrix

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20I0305

140115301

Soil

September 4, 2020 10:35 am

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:49	TMP
98-82-8	Isopropylbenzene	19		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:49	TMP
79-20-9	Methyl acetate	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:49	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	470	VOA-E	ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:49	TMP
108-87-2	Methylcyclohexane	1600		ug/kg dry	250	510	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:21	TMP
75-09-2	Methylene chloride	ND		ug/kg dry	5.1	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:49	TMP
104-51-8	n-Butylbenzene	100		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:49	TMP
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:49	TMP
95-47-6	o-Xylene	3300		ug/kg dry	250	510	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/11/2020 06:12	09/11/2020 17:21	TMP
179601-23-1	p- & m- Xylenes	8800		ug/kg dry	510	1000	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/11/2020 06:12	09/11/2020 17:21	TMP
99-87-6	p-Isopropyltoluene	40		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:49	TMP
135-98-8	sec-Butylbenzene	51		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:49	TMP
100-42-5	Styrene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:49	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:49	TMP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:49	TMP
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:49	TMP
108-88-3	Toluene	37		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:49	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:49	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:49	TMP
79-01-6	Trichloroethylene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:49	TMP
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:49	TMP
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 01:49	TMP



Sample Information

Client Sample ID: 15_S

York Sample ID: 20I0305-32

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 4, 2020 10:35 am

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1330-20-7	Xylenes, Total	12000		ug/kg dry	760	1500	100	EPA 8260C	09/11/2020 06:12	09/11/2020 17:21	TMP
Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP											
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	94.4 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	92.4 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	129 %			76-130						

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
solids	* % Solids	82.8		%	0.100	1	SM 2540G	09/15/2020 15:21	09/15/2020 16:44	WL	
Certifications: CTDOH											





Sample Information

Client Sample ID: 16_GW

York Sample ID: 20I0305-33

<u>York Project (SDG) No.</u> 20I0305	<u>Client Project ID</u> 140115301	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 4, 2020 10:50 am	<u>Date Received</u> 09/08/2020
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP
75-34-3	1,1-Dichloroethane	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	10	25	50	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	10	25	50	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	10	25	50	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP
95-63-6	1,2,4-Trimethylbenzene	4300		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP
106-93-4	1,2-Dibromoethane	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP
107-06-2	1,2-Dichloroethane	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP
78-87-5	1,2-Dichloropropane	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP
108-67-8	1,3,5-Trimethylbenzene	1200		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP
123-91-1	1,4-Dioxane	ND		ug/L	2000	4000	50	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP
78-93-3	2-Butanone	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP



Sample Information

Client Sample ID: 16_GW

York Sample ID: 20I0305-33

York Project (SDG) No.

Client Project ID

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Collection Date/Time

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140115301

Water

September 4, 2020 10:50 am

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP
108-10-1	4-Methyl-2-pentanone	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP
67-64-1	Acetone	90	J	ug/L	50	100	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP
107-02-8	Acrolein	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP
107-13-1	Acrylonitrile	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP
71-43-2	Benzene	4100		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP
74-97-5	Bromochloromethane	ND		ug/L	10	25	50	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP
75-27-4	Bromodichloromethane	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP
75-25-2	Bromoform	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP
74-83-9	Bromomethane	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP
75-15-0	Carbon disulfide	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP
56-23-5	Carbon tetrachloride	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP
108-90-7	Chlorobenzene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP
75-00-3	Chloroethane	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP
67-66-3	Chloroform	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP
74-87-3	Chloromethane	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP
110-82-7	Cyclohexane	260		ug/L	10	25	50	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP
124-48-1	Dibromochloromethane	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP
74-95-3	Dibromomethane	ND		ug/L	10	25	50	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/L	10	25	50	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP



Sample Information

Client Sample ID: 16_GW

York Sample ID: 20I0305-33

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Water

September 4, 2020 10:50 am

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	810		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP
87-68-3	Hexachlorobutadiene	ND		ug/L	10	25	50	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP
98-82-8	Isopropylbenzene	170		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP
79-20-9	Methyl acetate	ND		ug/L	10	25	50	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	3200		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP
108-87-2	Methylcyclohexane	210		ug/L	10	25	50	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP
75-09-2	Methylene chloride	ND		ug/L	50	100	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP
104-51-8	n-Butylbenzene	32		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP
103-65-1	n-Propylbenzene	130		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP
95-47-6	o-Xylene	4300		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/15/2020 06:05	09/15/2020 14:45	TMP
179601-23-1	p- & m- Xylenes	9400		ug/L	25	50	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/15/2020 06:05	09/15/2020 14:45	TMP
99-87-6	p-Isopropyltoluene	20	J	ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP
135-98-8	sec-Butylbenzene	34		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP
100-42-5	Styrene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	25	50	50	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP
127-18-4	Tetrachloroethylene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP
108-88-3	Toluene	7200		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP
79-01-6	Trichloroethylene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP
75-69-4	Trichlorofluoromethane	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP



Sample Information

Client Sample ID: 16_GW

York Sample ID: 20I0305-33

York Project (SDG) No.
20I0305

Client Project ID
140115301

Matrix
Water

Collection Date/Time
September 4, 2020 10:50 am

Date Received
09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP
1330-20-7	Xylenes, Total	14000		ug/L	30	75	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/15/2020 06:05	09/15/2020 14:45	TMP
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	100 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	102 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	97.2 %	79-122								



Sample Information

Client Sample ID: 16_S

York Sample ID: 20I0305-34

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 4, 2020 10:55 am

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	190	380	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/15/2020 16:19	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	190	380	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/15/2020 16:19	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	190	380	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/15/2020 16:19	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	190	380	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/15/2020 06:43	09/15/2020 16:19	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	190	380	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/15/2020 16:19	TMP
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	190	380	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/15/2020 16:19	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	190	380	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/15/2020 16:19	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	190	380	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/15/2020 16:19	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	190	380	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/15/2020 06:43	09/15/2020 16:19	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	190	380	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/15/2020 16:19	TMP
95-63-6	1,2,4-Trimethylbenzene	20000		ug/kg dry	950	1900	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/16/2020 17:12	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	190	380	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/15/2020 16:19	TMP
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	190	380	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/15/2020 16:19	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	190	380	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/15/2020 16:19	TMP
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	190	380	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/15/2020 16:19	TMP
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	190	380	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/15/2020 16:19	TMP
108-67-8	1,3,5-Trimethylbenzene	5400		ug/kg dry	190	380	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/15/2020 16:19	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	190	380	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/15/2020 16:19	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	190	380	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/15/2020 16:19	TMP
123-91-1	1,4-Dioxane	ND		ug/kg dry	3800	7600	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/15/2020 16:19	TMP
78-93-3	2-Butanone	ND		ug/kg dry	190	380	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/15/2020 16:19	TMP
591-78-6	2-Hexanone	ND		ug/kg dry	190	380	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/15/2020 16:19	TMP



Sample Information

Client Sample ID: 16_S

York Sample ID: 20I0305-34

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 4, 2020 10:55 am

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	190	380	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/15/2020 16:19	TMP
67-64-1	Acetone	ND		ug/kg dry	380	760	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/15/2020 16:19	TMP
107-02-8	Acrolein	ND		ug/kg dry	380	760	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/15/2020 16:19	TMP
107-13-1	Acrylonitrile	ND		ug/kg dry	190	380	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/15/2020 16:19	TMP
71-43-2	Benzene	840		ug/kg dry	190	380	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/15/2020 16:19	TMP
74-97-5	Bromochloromethane	ND		ug/kg dry	190	380	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/15/2020 16:19	TMP
75-27-4	Bromodichloromethane	ND		ug/kg dry	190	380	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/15/2020 16:19	TMP
75-25-2	Bromoform	ND		ug/kg dry	190	380	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/15/2020 16:19	TMP
74-83-9	Bromomethane	ND		ug/kg dry	190	380	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/15/2020 16:19	TMP
75-15-0	Carbon disulfide	ND		ug/kg dry	190	380	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/15/2020 16:19	TMP
56-23-5	Carbon tetrachloride	ND		ug/kg dry	190	380	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/15/2020 16:19	TMP
108-90-7	Chlorobenzene	ND		ug/kg dry	190	380	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/15/2020 16:19	TMP
75-00-3	Chloroethane	ND		ug/kg dry	190	380	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/15/2020 16:19	TMP
67-66-3	Chloroform	ND		ug/kg dry	190	380	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/15/2020 16:19	TMP
74-87-3	Chloromethane	ND		ug/kg dry	190	380	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/15/2020 16:19	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	190	380	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/15/2020 16:19	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	190	380	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/15/2020 16:19	TMP
110-82-7	Cyclohexane	ND		ug/kg dry	190	380	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/15/2020 16:19	TMP
124-48-1	Dibromochloromethane	ND		ug/kg dry	190	380	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/15/2020 16:19	TMP
74-95-3	Dibromomethane	ND		ug/kg dry	190	380	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/15/2020 16:19	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	190	380	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/15/2020 16:19	TMP
100-41-4	Ethyl Benzene	1900		ug/kg dry	190	380	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/15/2020 16:19	TMP



Sample Information

Client Sample ID: 16_S

York Sample ID: 20I0305-34

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 4, 2020 10:55 am

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	190	380	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/15/2020 16:19	TMP
98-82-8	Isopropylbenzene	690		ug/kg dry	190	380	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/15/2020 16:19	TMP
79-20-9	Methyl acetate	ND		ug/kg dry	190	380	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/15/2020 16:19	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	440		ug/kg dry	190	380	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/15/2020 16:19	TMP
108-87-2	Methylcyclohexane	2000		ug/kg dry	190	380	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/15/2020 16:19	TMP
75-09-2	Methylene chloride	ND		ug/kg dry	380	760	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/15/2020 16:19	TMP
104-51-8	n-Butylbenzene	1700		ug/kg dry	190	380	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/15/2020 16:19	TMP
103-65-1	n-Propylbenzene	1700		ug/kg dry	190	380	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/15/2020 16:19	TMP
95-47-6	o-Xylene	5100		ug/kg dry	190	380	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/15/2020 16:19	TMP
179601-23-1	p- & m- Xylenes	13000		ug/kg dry	380	760	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/15/2020 16:19	TMP
99-87-6	p-Isopropyltoluene	220	J	ug/kg dry	190	380	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/15/2020 16:19	TMP
135-98-8	sec-Butylbenzene	ND		ug/kg dry	190	380	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/15/2020 16:19	TMP
100-42-5	Styrene	ND		ug/kg dry	190	380	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/15/2020 16:19	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	190	380	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/15/2020 16:19	TMP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	190	380	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/15/2020 16:19	TMP
127-18-4	Tetrachloroethylene	ND		ug/kg dry	190	380	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/15/2020 16:19	TMP
108-88-3	Toluene	3700		ug/kg dry	190	380	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/15/2020 16:19	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	190	380	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/15/2020 16:19	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	190	380	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/15/2020 16:19	TMP
79-01-6	Trichloroethylene	ND		ug/kg dry	190	380	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/15/2020 16:19	TMP
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	190	380	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/15/2020 16:19	TMP
75-01-4	Vinyl Chloride	ND		ug/kg dry	190	380	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/15/2020 06:43	09/15/2020 16:19	TMP



Sample Information

Client Sample ID: 16_S

York Sample ID: 20I0305-34

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 4, 2020 10:55 am

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1330-20-7	Xylenes, Total	18000		ug/kg dry	570	1100	100	EPA 8260C	09/15/2020 06:43	09/15/2020 16:19	TMP
Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP											
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	77.7 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	103 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	99.9 %			76-130						

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
solids	* % Solids	84.1		%	0.100	1	SM 2540G	09/15/2020 15:21	09/15/2020 16:44	WL	
Certifications: CTDOH											





Sample Information

Client Sample ID: 15 16_GW

York Sample ID: 20I0305-35

<u>York Project (SDG) No.</u> 20I0305	<u>Client Project ID</u> 140115301	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 4, 2020 10:30 am	<u>Date Received</u> 09/08/2020
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Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	33.5		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2020 13:26	09/11/2020 11:02	KML
7440-39-3	Barium	0.362		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2020 13:26	09/11/2020 11:02	KML
7440-70-2	Calcium	118		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2020 13:26	09/11/2020 11:02	KML
7440-47-3	Chromium	0.0643		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2020 13:26	09/11/2020 11:02	KML
7440-48-4	Cobalt	0.0220		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2020 13:26	09/11/2020 11:02	KML
7440-50-8	Copper	0.113		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2020 13:26	09/11/2020 11:02	KML
7439-89-6	Iron	42.9		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2020 13:26	09/11/2020 11:02	KML
7439-92-1	Lead	0.169		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2020 13:26	09/11/2020 11:02	KML
7439-95-4	Magnesium	18.8		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2020 13:26	09/11/2020 11:02	KML
7439-96-5	Manganese	0.968		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2020 13:26	09/11/2020 11:02	KML
7440-02-0	Nickel	0.0600		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2020 13:26	09/11/2020 11:02	KML
7440-09-7	Potassium	12.7		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2020 13:26	09/11/2020 11:02	KML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2020 13:26	09/11/2020 11:02	KML
7440-23-5	Sodium	236		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2020 13:26	09/11/2020 11:02	KML
7440-62-2	Vanadium	0.0971		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2020 13:26	09/11/2020 11:02	KML
7440-66-6	Zinc	0.605		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2020 13:26	09/11/2020 11:02	KML

Metals, Target Analyte, ICP Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	0.288		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:44	KML
7440-39-3	Barium	0.122		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:44	KML
7440-70-2	Calcium	111		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:44	KML



Sample Information

Client Sample ID: 15 16_GW

York Sample ID: 20I0305-35

<u>York Project (SDG) No.</u> 20I0305	<u>Client Project ID</u> 140115301	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 4, 2020 10:30 am	<u>Date Received</u> 09/08/2020
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Metals, Target Analyte, ICP Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:44	KML
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:44	KML
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:44	KML
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:44	KML
7439-92-1	Lead	0.121		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:44	KML
7439-95-4	Magnesium	10.4		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:44	KML
7439-96-5	Manganese	0.363		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:44	KML
7440-02-0	Nickel	0.0129		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:44	KML
7440-09-7	Potassium	7.79		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:44	KML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:44	KML
7440-23-5	Sodium	244		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:44	KML
7440-62-2	Vanadium	0.0143		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:44	KML
7440-66-6	Zinc	0.0807		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:44	KML

Metals, Target Analyte, ICPMS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	2.28		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2020 13:23	09/10/2020 15:51	BML
7440-38-2	Arsenic	18.4		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2020 13:23	09/10/2020 15:51	BML
7440-41-7	Beryllium	0.592		ug/L	0.333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2020 13:23	09/10/2020 15:51	BML
7440-43-9	Cadmium	0.579		ug/L	0.556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2020 13:23	09/10/2020 15:51	BML
7782-49-2	Selenium	4.00		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2020 13:23	09/10/2020 15:51	BML
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2020 13:23	09/10/2020 15:51	BML



Sample Information

Client Sample ID: 15 16_GW

York Sample ID: 20I0305-35

<u>York Project (SDG) No.</u> 20I0305	<u>Client Project ID</u> 140115301	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 4, 2020 10:30 am	<u>Date Received</u> 09/08/2020
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Metals, Target Analyte, ICPMS Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	2.90		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:45	09/10/2020 12:31	BML
7440-38-2	Arsenic	10.8		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:45	09/10/2020 12:31	BML
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:45	09/10/2020 12:31	BML
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:45	09/10/2020 12:31	BML
7782-49-2	Selenium	3.13		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:45	09/10/2020 12:31	BML
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:45	09/10/2020 12:31	BML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2020 14:18	09/10/2020 14:48	SY

Mercury by 7473, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002000	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 11:44	09/09/2020 15:01	SY



Sample Information

Client Sample ID: 15 16_S

York Sample ID: 20I0305-36

York Project (SDG) No. 20I0305

Client Project ID 140115301

Matrix Soil

Collection Date/Time September 4, 2020 10:35 am

Date Received 09/08/2020

Analyzed by: Phoenix Environmental Laboratories, Inc. S

Total Organic Carbon (TOC-SUB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: *** DEFAULT PREP ***

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: Total Organic Carbon (TOC), 815, mg/kg, 100, 1, SW9060A, 09/09/2020 00:00, 09/10/2020 00:00, PHO. Certifications: below Reference Method.



Sample Information

Client Sample ID: 17_GW

York Sample ID: 20I0305-37

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Water

September 4, 2020 3:30 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:09	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:09	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:09	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:09	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:09	TMP
75-34-3	1,1-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:09	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:09	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:09	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:09	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:09	TMP
95-63-6	1,2,4-Trimethylbenzene	3600		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/14/2020 20:09	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:09	TMP
106-93-4	1,2-Dibromoethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:09	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:09	TMP
107-06-2	1,2-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:09	TMP
78-87-5	1,2-Dichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:09	TMP
108-67-8	1,3,5-Trimethylbenzene	760		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:09	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:09	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:09	TMP
123-91-1	1,4-Dioxane	ND		ug/L	400	800	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:09	TMP
78-93-3	2-Butanone	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:09	TMP



Sample Information

Client Sample ID: 17_GW

York Sample ID: 20I0305-37

<u>York Project (SDG) No.</u> 20I0305	<u>Client Project ID</u> 140115301	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 4, 2020 3:30 pm	<u>Date Received</u> 09/08/2020
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	140	Cal-E	ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:09	TMP
108-10-1	4-Methyl-2-pentanone	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:09	TMP
67-64-1	Acetone	2400		ug/L	100	200	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/14/2020 20:09	TMP
107-02-8	Acrolein	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:09	TMP
107-13-1	Acrylonitrile	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:09	TMP
71-43-2	Benzene	410		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:09	TMP
74-97-5	Bromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:09	TMP
75-27-4	Bromodichloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:09	TMP
75-25-2	Bromoform	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:09	TMP
74-83-9	Bromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:09	TMP
75-15-0	Carbon disulfide	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:09	TMP
56-23-5	Carbon tetrachloride	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:09	TMP
108-90-7	Chlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:09	TMP
75-00-3	Chloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:09	TMP
67-66-3	Chloroform	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:09	TMP
74-87-3	Chloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:09	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:09	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:09	TMP
110-82-7	Cyclohexane	62		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:09	TMP
124-48-1	Dibromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:09	TMP
74-95-3	Dibromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:09	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:09	TMP



Sample Information

Client Sample ID: 17_GW

York Sample ID: 20I0305-37

<u>York Project (SDG) No.</u> 20I0305	<u>Client Project ID</u> 140115301	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 4, 2020 3:30 pm	<u>Date Received</u> 09/08/2020
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	1200		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:09	TMP
87-68-3	Hexachlorobutadiene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:09	TMP
98-82-8	Isopropylbenzene	140		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:09	TMP
79-20-9	Methyl acetate	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:09	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	2400		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/14/2020 20:09	TMP
108-87-2	Methylcyclohexane	110		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:09	TMP
75-09-2	Methylene chloride	ND		ug/L	10	20	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:09	TMP
104-51-8	n-Butylbenzene	23		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:09	TMP
103-65-1	n-Propylbenzene	350		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:09	TMP
95-47-6	o-Xylene	2200		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/11/2020 06:56	09/14/2020 20:09	TMP
179601-23-1	p- & m- Xylenes	5600		ug/L	50	100	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/11/2020 06:56	09/14/2020 20:09	TMP
99-87-6	p-Isopropyltoluene	12		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:09	TMP
135-98-8	sec-Butylbenzene	20		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:09	TMP
100-42-5	Styrene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:09	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	5.0	10	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:09	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:09	TMP
127-18-4	Tetrachloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:09	TMP
108-88-3	Toluene	1400		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:09	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:09	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:09	TMP
79-01-6	Trichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:09	TMP
75-69-4	Trichlorofluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:09	TMP



Sample Information

Client Sample ID: 17_GW

York Sample ID: 20I0305-37

York Project (SDG) No.
20I0305

Client Project ID
140115301

Matrix
Water

Collection Date/Time
September 4, 2020 3:30 pm

Date Received
09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:09	TMP
1330-20-7	Xylenes, Total	7800		ug/L	60	150	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/11/2020 06:56	09/14/2020 20:09	TMP
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	93.6 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	103 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	100 %	79-122								



Sample Information

Client Sample ID: 17_S

York Sample ID: 20I0305-38

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 4, 2020 3:35 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:56	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:56	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:56	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/11/2020 06:12	09/11/2020 17:56	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:56	TMP
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:56	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:56	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:56	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/11/2020 06:12	09/11/2020 17:56	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:56	TMP
95-63-6	1,2,4-Trimethylbenzene	22000		ug/kg dry	1400	2700	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/14/2020 14:24	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:56	TMP
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:56	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:56	TMP
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:56	TMP
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:56	TMP
108-67-8	1,3,5-Trimethylbenzene	5200		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:56	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:56	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:56	TMP
123-91-1	1,4-Dioxane	ND		ug/kg dry	4000	8000	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:56	TMP
78-93-3	2-Butanone	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:56	TMP
591-78-6	2-Hexanone	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:56	TMP



Sample Information

Client Sample ID: 17_S

York Sample ID: 20I0305-38

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 4, 2020 3:35 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:56	TMP
67-64-1	Acetone	530	CCV-E, ICV-E, J	ug/kg dry	400	800	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:56	TMP
107-02-8	Acrolein	ND		ug/kg dry	400	800	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:56	TMP
107-13-1	Acrylonitrile	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:56	TMP
71-43-2	Benzene	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:56	TMP
74-97-5	Bromochloromethane	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:56	TMP
75-27-4	Bromodichloromethane	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:56	TMP
75-25-2	Bromoform	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:56	TMP
74-83-9	Bromomethane	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:56	TMP
75-15-0	Carbon disulfide	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:56	TMP
56-23-5	Carbon tetrachloride	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:56	TMP
108-90-7	Chlorobenzene	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:56	TMP
75-00-3	Chloroethane	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:56	TMP
67-66-3	Chloroform	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:56	TMP
74-87-3	Chloromethane	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:56	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:56	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:56	TMP
110-82-7	Cyclohexane	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:56	TMP
124-48-1	Dibromochloromethane	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:56	TMP
74-95-3	Dibromomethane	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:56	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:56	TMP



Sample Information

Client Sample ID: 17_S

York Sample ID: 20I0305-38

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 4, 2020 3:35 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	2000		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:56	TMP
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:56	TMP
98-82-8	Isopropylbenzene	630		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:56	TMP
79-20-9	Methyl acetate	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:56	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	390	J	ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:56	TMP
108-87-2	Methylcyclohexane	2100		ug/kg dry	200	400	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:56	TMP
75-09-2	Methylene chloride	ND		ug/kg dry	400	800	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:56	TMP
104-51-8	n-Butylbenzene	1600		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:56	TMP
103-65-1	n-Propylbenzene	2300		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:56	TMP
95-47-6	o-Xylene	2900		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:56	TMP
179601-23-1	p- & m- Xylenes	8800		ug/kg dry	400	800	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:56	TMP
99-87-6	p-Isopropyltoluene	210	J	ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:56	TMP
135-98-8	sec-Butylbenzene	390	J	ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:56	TMP
100-42-5	Styrene	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:56	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:56	TMP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:56	TMP
127-18-4	Tetrachloroethylene	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:56	TMP
108-88-3	Toluene	820		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:56	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:56	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:56	TMP
79-01-6	Trichloroethylene	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:56	TMP
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:56	TMP



Sample Information

Client Sample ID: 17_S

York Sample ID: 20I0305-38

York Project (SDG) No.
20I0305

Client Project ID
140115301

Matrix
Soil

Collection Date/Time
September 4, 2020 3:35 pm

Date Received
09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 17:56	TMP
1330-20-7	Xylenes, Total	12000		ug/kg dry	600	1200	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/11/2020 06:12	09/11/2020 17:56	TMP
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	82.2 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	96.2 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	89.6 %	76-130								

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	77.0		%	0.100	1	SM 2540G Certifications: CTDOH	09/15/2020 15:21	09/15/2020 16:44	WL



Sample Information

Client Sample ID: 17 18_GW

York Sample ID: 20I0305-39

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Water

September 4, 2020 3:30 pm

09/08/2020

Metals, Target Analyte, ICP Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	0.802		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:47	KML
7440-39-3	Barium	0.422		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:47	KML
7440-70-2	Calcium	1080		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:47	KML
7440-47-3	Chromium	0.425		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:47	KML
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:47	KML
7440-50-8	Copper	0.114		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:47	KML
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:47	KML
7439-92-1	Lead	0.0830		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:47	KML
7439-95-4	Magnesium	0.182		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:47	KML
7439-96-5	Manganese	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:47	KML
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:47	KML
7440-09-7	Potassium	19.8		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:47	KML
7440-22-4	Silver	0.00623		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:47	KML
7440-23-5	Sodium	2560		mg/L	5.56	10	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/15/2020 11:49	KML
7440-62-2	Vanadium	0.270		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:47	KML
7440-66-6	Zinc	0.0851		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:47	KML

Metals, Target Analyte, ICPMS Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	1.13		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:45	09/10/2020 12:34	BML
7440-38-2	Arsenic	37.5		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:45	09/10/2020 12:34	BML



Sample Information

Client Sample ID: 17 18_GW

York Sample ID: 20I0305-39

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Water

September 4, 2020 3:30 pm

09/08/2020

Metals, Target Analyte, ICPMS Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:45	09/10/2020 12:34	BML
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:45	09/10/2020 12:34	BML
7782-49-2	Selenium	87.3		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:45	09/10/2020 12:34	BML
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:45	09/10/2020 12:34	BML

Mercury by 7473, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002000	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 11:44	09/09/2020 15:11	SY



Sample Information

Client Sample ID: 17 18_S

York Sample ID: 20I0305-40

York Project (SDG) No. 20I0305

Client Project ID 140115301

Matrix Soil

Collection Date/Time September 4, 2020 3:35 pm

Date Received 09/08/2020

Analyzed by: Phoenix Environmental Laboratories, Inc. S

Total Organic Carbon (TOC-SUB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: *** DEFAULT PREP ***

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: Total Organic Carbon (TOC), 1230, mg/kg, 100, 1, SW9060A, 09/09/2020 00:00, 09/10/2020 00:00, PHO. Certifications: below Reference Method.



Sample Information

Client Sample ID: 18_GW

York Sample ID: 20I0305-41

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Water

September 4, 2020 3:45 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:34	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:34	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:34	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:34	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:34	TMP
75-34-3	1,1-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:34	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:34	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:34	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:34	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:34	TMP
95-63-6	1,2,4-Trimethylbenzene	3900		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/14/2020 20:34	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:34	TMP
106-93-4	1,2-Dibromoethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:34	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:34	TMP
107-06-2	1,2-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:34	TMP
78-87-5	1,2-Dichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:34	TMP
108-67-8	1,3,5-Trimethylbenzene	860		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:34	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:34	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:34	TMP
123-91-1	1,4-Dioxane	ND		ug/L	400	800	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:34	TMP
78-93-3	2-Butanone	720	Cal-E	ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:34	TMP



Sample Information

Client Sample ID: 18_GW

York Sample ID: 20I0305-41

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Water

September 4, 2020 3:45 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	120	Cal-E	ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:34	TMP
108-10-1	4-Methyl-2-pentanone	50	Cal-E	ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:34	TMP
67-64-1	Acetone	2300		ug/L	100	200	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/14/2020 20:34	TMP
107-02-8	Acrolein	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:34	TMP
107-13-1	Acrylonitrile	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:34	TMP
71-43-2	Benzene	440		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:34	TMP
74-97-5	Bromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:34	TMP
75-27-4	Bromodichloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:34	TMP
75-25-2	Bromoform	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:34	TMP
74-83-9	Bromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:34	TMP
75-15-0	Carbon disulfide	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:34	TMP
56-23-5	Carbon tetrachloride	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:34	TMP
108-90-7	Chlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:34	TMP
75-00-3	Chloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:34	TMP
67-66-3	Chloroform	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:34	TMP
74-87-3	Chloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:34	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:34	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:34	TMP
110-82-7	Cyclohexane	77		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:34	TMP
124-48-1	Dibromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:34	TMP
74-95-3	Dibromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:34	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:34	TMP



Sample Information

Client Sample ID: 18_GW

York Sample ID: 20I0305-41

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Water

September 4, 2020 3:45 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	1300		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:34	TMP
87-68-3	Hexachlorobutadiene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:34	TMP
98-82-8	Isopropylbenzene	150		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:34	TMP
79-20-9	Methyl acetate	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:34	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	2600		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/14/2020 20:34	TMP
108-87-2	Methylcyclohexane	130		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:34	TMP
75-09-2	Methylene chloride	ND		ug/L	10	20	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:34	TMP
104-51-8	n-Butylbenzene	27		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:34	TMP
103-65-1	n-Propylbenzene	400		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:34	TMP
95-47-6	o-Xylene	2400		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/11/2020 06:56	09/14/2020 20:34	TMP
179601-23-1	p- & m- Xylenes	5900		ug/L	50	100	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/11/2020 06:56	09/14/2020 20:34	TMP
99-87-6	p-Isopropyltoluene	15		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:34	TMP
135-98-8	sec-Butylbenzene	24		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:34	TMP
100-42-5	Styrene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:34	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	5.0	10	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:34	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:34	TMP
127-18-4	Tetrachloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:34	TMP
108-88-3	Toluene	1600		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:34	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:34	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:34	TMP
79-01-6	Trichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:34	TMP
75-69-4	Trichlorofluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:34	TMP



Sample Information

Client Sample ID: 18_GW

York Sample ID: 20I0305-41

<u>York Project (SDG) No.</u> 20I0305	<u>Client Project ID</u> 140115301	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 4, 2020 3:45 pm	<u>Date Received</u> 09/08/2020
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 20:34	TMP
1330-20-7	Xylenes, Total	8300		ug/L	60	150	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/11/2020 06:56	09/14/2020 20:34	TMP
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	90.4 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	102 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	98.9 %	79-122								



Sample Information

Client Sample ID: 18_S

York Sample ID: 20I0305-42

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 4, 2020 3:50 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 03:08	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 03:08	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 03:08	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/09/2020 06:49	09/10/2020 03:08	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 03:08	TMP
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 03:08	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 03:08	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 03:08	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/09/2020 06:49	09/10/2020 03:08	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 03:08	TMP
95-63-6	1,2,4-Trimethylbenzene	16000		ug/kg dry	210	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 18:23	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 03:08	TMP
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 03:08	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 03:08	TMP
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 03:08	TMP
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 03:08	TMP
108-67-8	1,3,5-Trimethylbenzene	4900		ug/kg dry	210	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 18:23	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 03:08	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 03:08	TMP
123-91-1	1,4-Dioxane	ND		ug/kg dry	43	85	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 03:08	TMP
591-78-6	2-Hexanone	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 03:08	TMP
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 03:08	TMP



Sample Information

Client Sample ID: 18_S

York Sample ID: 20I0305-42

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 4, 2020 3:50 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-02-8	Acrolein	ND		ug/kg dry	4.3	8.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 03:08	TMP
107-13-1	Acrylonitrile	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 03:08	TMP
71-43-2	Benzene	50		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 03:08	TMP
74-97-5	Bromochloromethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 03:08	TMP
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 03:08	TMP
75-25-2	Bromoform	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 03:08	TMP
74-83-9	Bromomethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 03:08	TMP
75-15-0	Carbon disulfide	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 03:08	TMP
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 03:08	TMP
108-90-7	Chlorobenzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 03:08	TMP
75-00-3	Chloroethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 03:08	TMP
67-66-3	Chloroform	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 03:08	TMP
74-87-3	Chloromethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 03:08	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 03:08	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 03:08	TMP
110-82-7	Cyclohexane	2900		ug/kg dry	210	430	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 18:23	TMP
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 03:08	TMP
74-95-3	Dibromomethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 03:08	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 03:08	TMP
100-41-4	Ethyl Benzene	2000		ug/kg dry	210	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 18:23	TMP
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 03:08	TMP
98-82-8	Isopropylbenzene	610		ug/kg dry	210	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 18:23	TMP



Sample Information

Client Sample ID: 18_S

York Sample ID: 20I0305-42

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 4, 2020 3:50 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 03:08	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	430		ug/kg dry	210	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 18:23	TMP
108-87-2	Methylcyclohexane	1900		ug/kg dry	210	430	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 18:23	TMP
75-09-2	Methylene chloride	ND		ug/kg dry	4.3	8.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 03:08	TMP
104-51-8	n-Butylbenzene	160		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 03:08	TMP
103-65-1	n-Propylbenzene	2200		ug/kg dry	210	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 18:23	TMP
95-47-6	o-Xylene	3000		ug/kg dry	210	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/11/2020 06:12	09/11/2020 18:23	TMP
179601-23-1	p- & m- Xylenes	9000		ug/kg dry	430	850	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/11/2020 06:12	09/11/2020 18:23	TMP
99-87-6	p-Isopropyltoluene	42		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 03:08	TMP
135-98-8	sec-Butylbenzene	78		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 03:08	TMP
100-42-5	Styrene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 03:08	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 03:08	TMP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 03:08	TMP
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 03:08	TMP
108-88-3	Toluene	920		ug/kg dry	210	430	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 18:23	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 03:08	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 03:08	TMP
79-01-6	Trichloroethylene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 03:08	TMP
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 03:08	TMP
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 03:08	TMP
1330-20-7	Xylenes, Total	12000		ug/kg dry	640	1300	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/11/2020 06:12	09/11/2020 18:23	TMP

Surrogate Recoveries

Result

Acceptance Range



Sample Information

Client Sample ID: 18_S

York Sample ID: 20I0305-42

<u>York Project (SDG) No.</u> 20I0305	<u>Client Project ID</u> 140115301	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 4, 2020 3:50 pm	<u>Date Received</u> 09/08/2020
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	81.5 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	90.4 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	117 %			76-130						

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	83.8		%	0.100	1	SM 2540G Certifications: CTDOH	09/15/2020 15:21	09/15/2020 16:44	WL



Sample Information

Client Sample ID: 19_GW

York Sample ID: 20I0305-43

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Water

September 4, 2020 4:00 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:00	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:00	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:00	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:00	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:00	TMP
75-34-3	1,1-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:00	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:00	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:00	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:00	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:00	TMP
95-63-6	1,2,4-Trimethylbenzene	3000		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/14/2020 21:00	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:00	TMP
106-93-4	1,2-Dibromoethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:00	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:00	TMP
107-06-2	1,2-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:00	TMP
78-87-5	1,2-Dichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:00	TMP
108-67-8	1,3,5-Trimethylbenzene	710		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:00	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:00	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:00	TMP
123-91-1	1,4-Dioxane	ND		ug/L	400	800	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:00	TMP
78-93-3	2-Butanone	900	Cal-E	ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:00	TMP



Sample Information

Client Sample ID: 19_GW

York Sample ID: 20I0305-43

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Water

September 4, 2020 4:00 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	140	Cal-E	ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:00	TMP
108-10-1	4-Methyl-2-pentanone	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:00	TMP
67-64-1	Acetone	3100		ug/L	100	200	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/14/2020 21:00	TMP
107-02-8	Acrolein	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:00	TMP
107-13-1	Acrylonitrile	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:00	TMP
71-43-2	Benzene	170		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:00	TMP
74-97-5	Bromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:00	TMP
75-27-4	Bromodichloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:00	TMP
75-25-2	Bromoform	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:00	TMP
74-83-9	Bromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:00	TMP
75-15-0	Carbon disulfide	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:00	TMP
56-23-5	Carbon tetrachloride	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:00	TMP
108-90-7	Chlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:00	TMP
75-00-3	Chloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:00	TMP
67-66-3	Chloroform	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:00	TMP
74-87-3	Chloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:00	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:00	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:00	TMP
110-82-7	Cyclohexane	35		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:00	TMP
124-48-1	Dibromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:00	TMP
74-95-3	Dibromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:00	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:00	TMP



Sample Information

Client Sample ID: 19_GW

York Sample ID: 20I0305-43

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Water

September 4, 2020 4:00 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	790		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:00	TMP
87-68-3	Hexachlorobutadiene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:00	TMP
98-82-8	Isopropylbenzene	130		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:00	TMP
79-20-9	Methyl acetate	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:00	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	2000		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/14/2020 21:00	TMP
108-87-2	Methylcyclohexane	110		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:00	TMP
75-09-2	Methylene chloride	ND		ug/L	10	20	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:00	TMP
104-51-8	n-Butylbenzene	29		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:00	TMP
103-65-1	n-Propylbenzene	340		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:00	TMP
95-47-6	o-Xylene	1200		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/11/2020 06:56	09/11/2020 21:00	TMP
179601-23-1	p- & m- Xylenes	3000		ug/L	5.0	10	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/11/2020 06:56	09/11/2020 21:00	TMP
99-87-6	p-Isopropyltoluene	13		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:00	TMP
135-98-8	sec-Butylbenzene	22		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:00	TMP
100-42-5	Styrene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:00	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	5.0	10	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:00	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:00	TMP
127-18-4	Tetrachloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:00	TMP
108-88-3	Toluene	580		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:00	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:00	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:00	TMP
79-01-6	Trichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:00	TMP
75-69-4	Trichlorofluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:00	TMP



Sample Information

Client Sample ID: 19_GW

York Sample ID: 20I0305-43

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Water

September 4, 2020 4:00 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	2.0	5.0	10	EPA 8260C	09/11/2020 06:56	09/11/2020 21:00	TMP
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP			
1330-20-7	Xylenes, Total	4200		ug/L	6.0	15	10	EPA 8260C	09/11/2020 06:56	09/11/2020 21:00	TMP
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
	Surrogate Recoveries	Result						Acceptance Range			
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	92.3 %						69-130			
2037-26-5	Surrogate: SURR: Toluene-d8	102 %						81-117			
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	99.9 %						79-122			





Sample Information

Client Sample ID: 19_S

York Sample ID: 20I0305-44

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 4, 2020 4:05 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	220	440	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 18:49	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	220	440	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 18:49	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	220	440	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 18:49	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	220	440	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/11/2020 06:12	09/11/2020 18:49	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	220	440	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 18:49	TMP
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	220	440	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 18:49	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	220	440	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 18:49	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	220	440	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 18:49	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	220	440	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/11/2020 06:12	09/11/2020 18:49	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	220	440	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 18:49	TMP
95-63-6	1,2,4-Trimethylbenzene	14000		ug/kg dry	220	440	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 18:49	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	220	440	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 18:49	TMP
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	220	440	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 18:49	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	220	440	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 18:49	TMP
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	220	440	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 18:49	TMP
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	220	440	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 18:49	TMP
108-67-8	1,3,5-Trimethylbenzene	4200		ug/kg dry	220	440	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 18:49	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	220	440	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 18:49	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	220	440	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 18:49	TMP
123-91-1	1,4-Dioxane	ND		ug/kg dry	4400	8900	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 18:49	TMP
78-93-3	2-Butanone	410	J	ug/kg dry	220	440	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 18:49	TMP
591-78-6	2-Hexanone	ND		ug/kg dry	220	440	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 18:49	TMP



Sample Information

Client Sample ID: 19_S

York Sample ID: 20I0305-44

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 4, 2020 4:05 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	220	440	100	EPA 8260C	09/11/2020 06:12	09/11/2020 18:49	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	900	ICV-E, CCV-E	ug/kg dry	440	890	100	EPA 8260C	09/11/2020 06:12	09/11/2020 18:49	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/kg dry	440	890	100	EPA 8260C	09/11/2020 06:12	09/11/2020 18:49	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/kg dry	220	440	100	EPA 8260C	09/11/2020 06:12	09/11/2020 18:49	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/kg dry	220	440	100	EPA 8260C	09/11/2020 06:12	09/11/2020 18:49	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/kg dry	220	440	100	EPA 8260C	09/11/2020 06:12	09/11/2020 18:49	TMP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/kg dry	220	440	100	EPA 8260C	09/11/2020 06:12	09/11/2020 18:49	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/kg dry	220	440	100	EPA 8260C	09/11/2020 06:12	09/11/2020 18:49	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/kg dry	220	440	100	EPA 8260C	09/11/2020 06:12	09/11/2020 18:49	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/kg dry	220	440	100	EPA 8260C	09/11/2020 06:12	09/11/2020 18:49	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/kg dry	220	440	100	EPA 8260C	09/11/2020 06:12	09/11/2020 18:49	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/kg dry	220	440	100	EPA 8260C	09/11/2020 06:12	09/11/2020 18:49	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/kg dry	220	440	100	EPA 8260C	09/11/2020 06:12	09/11/2020 18:49	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/kg dry	220	440	100	EPA 8260C	09/11/2020 06:12	09/11/2020 18:49	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/kg dry	220	440	100	EPA 8260C	09/11/2020 06:12	09/11/2020 18:49	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	220	440	100	EPA 8260C	09/11/2020 06:12	09/11/2020 18:49	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	220	440	100	EPA 8260C	09/11/2020 06:12	09/11/2020 18:49	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/kg dry	220	440	100	EPA 8260C	09/11/2020 06:12	09/11/2020 18:49	TMP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/kg dry	220	440	100	EPA 8260C	09/11/2020 06:12	09/11/2020 18:49	TMP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/kg dry	220	440	100	EPA 8260C	09/11/2020 06:12	09/11/2020 18:49	TMP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	220	440	100	EPA 8260C	09/11/2020 06:12	09/11/2020 18:49	TMP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	1100		ug/kg dry	220	440	100	EPA 8260C	09/11/2020 06:12	09/11/2020 18:49	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		



Sample Information

Client Sample ID: 19_S

York Sample ID: 20I0305-44

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 4, 2020 4:05 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	220	440	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 18:49	TMP
98-82-8	Isopropylbenzene	510		ug/kg dry	220	440	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 18:49	TMP
79-20-9	Methyl acetate	ND		ug/kg dry	220	440	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 18:49	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	410	J	ug/kg dry	220	440	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 18:49	TMP
108-87-2	Methylcyclohexane	1800		ug/kg dry	220	440	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 18:49	TMP
75-09-2	Methylene chloride	ND		ug/kg dry	440	890	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 18:49	TMP
104-51-8	n-Butylbenzene	1600		ug/kg dry	220	440	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 18:49	TMP
103-65-1	n-Propylbenzene	1900		ug/kg dry	220	440	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 18:49	TMP
95-47-6	o-Xylene	1600		ug/kg dry	220	440	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 18:49	TMP
179601-23-1	p- & m- Xylenes	4900		ug/kg dry	440	890	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 18:49	TMP
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	220	440	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 18:49	TMP
135-98-8	sec-Butylbenzene	370	J	ug/kg dry	220	440	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 18:49	TMP
100-42-5	Styrene	ND		ug/kg dry	220	440	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 18:49	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	220	440	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 18:49	TMP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	220	440	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 18:49	TMP
127-18-4	Tetrachloroethylene	ND		ug/kg dry	220	440	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 18:49	TMP
108-88-3	Toluene	330	J	ug/kg dry	220	440	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 18:49	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	220	440	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 18:49	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	220	440	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 18:49	TMP
79-01-6	Trichloroethylene	ND		ug/kg dry	220	440	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 18:49	TMP
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	220	440	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 18:49	TMP
75-01-4	Vinyl Chloride	ND		ug/kg dry	220	440	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 18:49	TMP



Sample Information

Client Sample ID: 19_S

York Sample ID: 20I0305-44

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 4, 2020 4:05 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1330-20-7	Xylenes, Total	6500		ug/kg dry	670	1300	100	EPA 8260C	09/11/2020 06:12	09/11/2020 18:49	TMP
Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP											
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	81.5 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	96.6 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	89.8 %	76-130								

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
solids	* % Solids	76.7		%	0.100	1	SM 2540G	09/15/2020 15:21	09/15/2020 16:44	WL	
Certifications: CTDOH											



Sample Information

Client Sample ID: 19 20_S

York Sample ID: 20I0305-45

York Project (SDG) No. 20I0305

Client Project ID 140115301

Matrix Soil

Collection Date/Time September 4, 2020 4:05 pm

Date Received 09/08/2020

Analyzed by: Phoenix Environmental Laboratories, Inc. S

Total Organic Carbon (TOC-SUB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: *** DEFAULT PREP ***

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: Total Organic Carbon (TOC), 846, mg/kg, 100, 1, SW9060A, 09/09/2020 00:00, 09/10/2020 00:00, PHO. Certifications: below Reference Method.



Sample Information

Client Sample ID: 21_GW

York Sample ID: 20I0305-46

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Water

September 4, 2020 4:30 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:25	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:25	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:25	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:25	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:25	TMP
75-34-3	1,1-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:25	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:25	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:25	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:25	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:25	TMP
95-63-6	1,2,4-Trimethylbenzene	2500		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/15/2020 00:50	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:25	TMP
106-93-4	1,2-Dibromoethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:25	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:25	TMP
107-06-2	1,2-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:25	TMP
78-87-5	1,2-Dichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:25	TMP
108-67-8	1,3,5-Trimethylbenzene	620		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:25	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:25	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:25	TMP
123-91-1	1,4-Dioxane	ND		ug/L	400	800	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:25	TMP
78-93-3	2-Butanone	990	Cal-E	ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:25	TMP



Sample Information

Client Sample ID: 21_GW

York Sample ID: 20I0305-46

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Water

September 4, 2020 4:30 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	130	Cal-E	ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:25	TMP
108-10-1	4-Methyl-2-pentanone	40	Cal-E	ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:25	TMP
67-64-1	Acetone	4100		ug/L	100	200	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/15/2020 00:50	TMP
107-02-8	Acrolein	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:25	TMP
107-13-1	Acrylonitrile	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:25	TMP
71-43-2	Benzene	29		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:25	TMP
74-97-5	Bromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:25	TMP
75-27-4	Bromodichloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:25	TMP
75-25-2	Bromoform	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:25	TMP
74-83-9	Bromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:25	TMP
75-15-0	Carbon disulfide	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:25	TMP
56-23-5	Carbon tetrachloride	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:25	TMP
108-90-7	Chlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:25	TMP
75-00-3	Chloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:25	TMP
67-66-3	Chloroform	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:25	TMP
74-87-3	Chloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:25	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:25	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:25	TMP
110-82-7	Cyclohexane	16		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:25	TMP
124-48-1	Dibromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:25	TMP
74-95-3	Dibromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:25	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:25	TMP



Sample Information

Client Sample ID: 21_GW

York Sample ID: 20I0305-46

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Water

September 4, 2020 4:30 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	580		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:25	TMP
87-68-3	Hexachlorobutadiene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:25	TMP
98-82-8	Isopropylbenzene	110		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:25	TMP
79-20-9	Methyl acetate	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:25	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	1200		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:25	TMP
108-87-2	Methylcyclohexane	59		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:25	TMP
75-09-2	Methylene chloride	ND		ug/L	10	20	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:25	TMP
104-51-8	n-Butylbenzene	26		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:25	TMP
103-65-1	n-Propylbenzene	300		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:25	TMP
95-47-6	o-Xylene	830		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/11/2020 06:56	09/11/2020 21:25	TMP
179601-23-1	p- & m- Xylenes	2300		ug/L	5.0	10	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/11/2020 06:56	09/11/2020 21:25	TMP
99-87-6	p-Isopropyltoluene	12		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:25	TMP
135-98-8	sec-Butylbenzene	20		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:25	TMP
100-42-5	Styrene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:25	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	5.0	10	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:25	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:25	TMP
127-18-4	Tetrachloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:25	TMP
108-88-3	Toluene	200		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:25	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:25	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:25	TMP
79-01-6	Trichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:25	TMP
75-69-4	Trichlorofluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:25	TMP



Sample Information

Client Sample ID: 21_GW

York Sample ID: 20I0305-46

York Project (SDG) No.
20I0305

Client Project ID
140115301

Matrix
Water

Collection Date/Time
September 4, 2020 4:30 pm

Date Received
09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 06:56	09/11/2020 21:25	TMP
1330-20-7	Xylenes, Total	3100		ug/L	6.0	15	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/11/2020 06:56	09/11/2020 21:25	TMP
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	98.3 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	100 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	96.8 %	79-122								



Sample Information

Client Sample ID: 21_S

York Sample ID: 20I0305-47

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 4, 2020 4:35 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	340	670	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:15	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	340	670	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:15	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	340	670	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:15	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	340	670	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/11/2020 06:12	09/11/2020 19:15	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	340	670	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:15	TMP
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	340	670	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:15	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	340	670	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:15	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	340	670	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:15	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	340	670	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/11/2020 06:12	09/11/2020 19:15	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	340	670	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:15	TMP
95-63-6	1,2,4-Trimethylbenzene	17000		ug/kg dry	990	2000	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/08/2020 06:12	09/14/2020 14:50	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	340	670	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:15	TMP
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	340	670	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:15	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	340	670	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:15	TMP
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	340	670	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:15	TMP
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	340	670	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:15	TMP
108-67-8	1,3,5-Trimethylbenzene	9600		ug/kg dry	340	670	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:15	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	340	670	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:15	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	340	670	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:15	TMP
123-91-1	1,4-Dioxane	ND		ug/kg dry	6700	13000	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:15	TMP
78-93-3	2-Butanone	830		ug/kg dry	340	670	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:15	TMP
591-78-6	2-Hexanone	ND		ug/kg dry	340	670	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:15	TMP



Sample Information

Client Sample ID: 21_S

York Sample ID: 20I0305-47

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 4, 2020 4:35 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	340	670	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:15	TMP
67-64-1	Acetone	2200	CCV-E, ICV-E	ug/kg dry	670	1300	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:15	TMP
107-02-8	Acrolein	ND		ug/kg dry	670	1300	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:15	TMP
107-13-1	Acrylonitrile	ND		ug/kg dry	340	670	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:15	TMP
71-43-2	Benzene	ND		ug/kg dry	340	670	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:15	TMP
74-97-5	Bromochloromethane	ND		ug/kg dry	340	670	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:15	TMP
75-27-4	Bromodichloromethane	ND		ug/kg dry	340	670	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:15	TMP
75-25-2	Bromoform	ND		ug/kg dry	340	670	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:15	TMP
74-83-9	Bromomethane	ND		ug/kg dry	340	670	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:15	TMP
75-15-0	Carbon disulfide	ND		ug/kg dry	340	670	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:15	TMP
56-23-5	Carbon tetrachloride	ND		ug/kg dry	340	670	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:15	TMP
108-90-7	Chlorobenzene	ND		ug/kg dry	340	670	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:15	TMP
75-00-3	Chloroethane	ND		ug/kg dry	340	670	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:15	TMP
67-66-3	Chloroform	ND		ug/kg dry	340	670	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:15	TMP
74-87-3	Chloromethane	ND		ug/kg dry	340	670	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:15	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	340	670	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:15	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	340	670	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:15	TMP
110-82-7	Cyclohexane	ND		ug/kg dry	340	670	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:15	TMP
124-48-1	Dibromochloromethane	ND		ug/kg dry	340	670	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:15	TMP
74-95-3	Dibromomethane	ND		ug/kg dry	340	670	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:15	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	340	670	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:15	TMP
100-41-4	Ethyl Benzene	2100		ug/kg dry	340	670	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:15	TMP



Sample Information

Client Sample ID: 21_S

York Sample ID: 20I0305-47

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 4, 2020 4:35 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	340	670	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:15	TMP
98-82-8	Isopropylbenzene	1100		ug/kg dry	340	670	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:15	TMP
79-20-9	Methyl acetate	ND		ug/kg dry	340	670	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:15	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	520	J	ug/kg dry	340	670	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:15	TMP
108-87-2	Methylcyclohexane	2200		ug/kg dry	340	670	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:15	TMP
75-09-2	Methylene chloride	ND		ug/kg dry	670	1300	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:15	TMP
104-51-8	n-Butylbenzene	3800		ug/kg dry	340	670	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:15	TMP
103-65-1	n-Propylbenzene	4400		ug/kg dry	340	670	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:15	TMP
95-47-6	o-Xylene	2800		ug/kg dry	340	670	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:15	TMP
179601-23-1	p- & m- Xylenes	9200		ug/kg dry	670	1300	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:15	TMP
99-87-6	p-Isopropyltoluene	460	J	ug/kg dry	340	670	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:15	TMP
135-98-8	sec-Butylbenzene	860		ug/kg dry	340	670	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:15	TMP
100-42-5	Styrene	ND		ug/kg dry	340	670	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:15	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	340	670	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:15	TMP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	340	670	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:15	TMP
127-18-4	Tetrachloroethylene	ND		ug/kg dry	340	670	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:15	TMP
108-88-3	Toluene	ND		ug/kg dry	340	670	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:15	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	340	670	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:15	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	340	670	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:15	TMP
79-01-6	Trichloroethylene	ND		ug/kg dry	340	670	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:15	TMP
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	340	670	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:15	TMP
75-01-4	Vinyl Chloride	ND		ug/kg dry	340	670	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:15	TMP



Sample Information

Client Sample ID: 21_S

York Sample ID: 20I0305-47

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 4, 2020 4:35 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1330-20-7	Xylenes, Total	12000		ug/kg dry	1000	2000	100	EPA 8260C	09/11/2020 06:12	09/11/2020 19:15	TMP
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
	Surrogate Recoveries	Result						Acceptance Range			
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	77.4 %						77-125			
2037-26-5	Surrogate: SURR: Toluene-d8	96.9 %						85-120			
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	88.6 %						76-130			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	74.5		%	0.100	1	SM 2540G	09/15/2020 15:21	09/15/2020 16:44	WL
							Certifications: CTDOH			



Sample Information

Client Sample ID: 21 22_S

York Sample ID: 20I0305-48

York Project (SDG) No. 20I0305

Client Project ID 140115301

Matrix Soil

Collection Date/Time September 4, 2020 4:35 pm

Date Received 09/08/2020

Analyzed by: Phoenix Environmental Laboratories, Inc. S

Total Organic Carbon (TOC-SUB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: *** DEFAULT PREP ***

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: Total Organic Carbon (TOC), 1050, mg/kg, 100, 1, SW9060A, 09/09/2020 00:00, 09/10/2020 00:00, PHO. Certifications: below Reference Method.



Sample Information

Client Sample ID: 22_GW

York Sample ID: 20I0305-49

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Water

September 4, 2020 4:40 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:16	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:16	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:16	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:16	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:16	TMP
75-34-3	1,1-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:16	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:16	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:16	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:16	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:16	TMP
95-63-6	1,2,4-Trimethylbenzene	2400		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/15/2020 01:16	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:16	TMP
106-93-4	1,2-Dibromoethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:16	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:16	TMP
107-06-2	1,2-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:16	TMP
78-87-5	1,2-Dichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:16	TMP
108-67-8	1,3,5-Trimethylbenzene	570		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:16	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:16	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:16	TMP
123-91-1	1,4-Dioxane	ND		ug/L	400	800	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:16	TMP
78-93-3	2-Butanone	960	Cal-E, QL-02	ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:16	TMP



Sample Information

Client Sample ID: 22_GW

York Sample ID: 20I0305-49

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Water

September 4, 2020 4:40 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	130	Cal-E	ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:16	TMP
108-10-1	4-Methyl-2-pentanone	43	Cal-E	ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:16	TMP
67-64-1	Acetone	4400		ug/L	100	200	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/15/2020 01:16	TMP
107-02-8	Acrolein	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:16	TMP
107-13-1	Acrylonitrile	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:16	TMP
71-43-2	Benzene	23		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:16	TMP
74-97-5	Bromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:16	TMP
75-27-4	Bromodichloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:16	TMP
75-25-2	Bromoform	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:16	TMP
74-83-9	Bromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:16	TMP
75-15-0	Carbon disulfide	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:16	TMP
56-23-5	Carbon tetrachloride	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:16	TMP
108-90-7	Chlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:16	TMP
75-00-3	Chloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:16	TMP
67-66-3	Chloroform	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:16	TMP
74-87-3	Chloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:16	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:16	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:16	TMP
110-82-7	Cyclohexane	14		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:16	TMP
124-48-1	Dibromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:16	TMP
74-95-3	Dibromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:16	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:16	TMP



Sample Information

Client Sample ID: 22_GW

York Sample ID: 20I0305-49

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Water

September 4, 2020 4:40 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	440		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:16	TMP
87-68-3	Hexachlorobutadiene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:16	TMP
98-82-8	Isopropylbenzene	96		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:16	TMP
79-20-9	Methyl acetate	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:16	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	1100		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:16	TMP
108-87-2	Methylcyclohexane	51		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:16	TMP
75-09-2	Methylene chloride	ND		ug/L	10	20	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:16	TMP
104-51-8	n-Butylbenzene	25		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:16	TMP
103-65-1	n-Propylbenzene	270		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:16	TMP
95-47-6	o-Xylene	620		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/11/2020 15:34	09/12/2020 01:16	TMP
179601-23-1	p- & m- Xylenes	1700		ug/L	5.0	10	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/11/2020 15:34	09/12/2020 01:16	TMP
99-87-6	p-Isopropyltoluene	12		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:16	TMP
135-98-8	sec-Butylbenzene	20		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:16	TMP
100-42-5	Styrene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:16	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	5.0	10	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:16	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:16	TMP
127-18-4	Tetrachloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:16	TMP
108-88-3	Toluene	120		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:16	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:16	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:16	TMP
79-01-6	Trichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:16	TMP
75-69-4	Trichlorofluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:16	TMP



Sample Information

Client Sample ID: 22_GW

York Sample ID: 20I0305-49

York Project (SDG) No.
20I0305

Client Project ID
140115301

Matrix
Water

Collection Date/Time
September 4, 2020 4:40 pm

Date Received
09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	2.0	5.0	10	EPA 8260C	09/11/2020 15:34	09/12/2020 01:16	TMP
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP			
1330-20-7	Xylenes, Total	2400		ug/L	6.0	15	10	EPA 8260C	09/11/2020 15:34	09/12/2020 01:16	TMP
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
	Surrogate Recoveries	Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	104 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	101 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	95.8 %			79-122						



Sample Information

Client Sample ID: 22_S

York Sample ID: 20I0305-50

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 4, 2020 4:45 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	300	600	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	300	600	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	300	600	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	300	600	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/11/2020 06:12	09/11/2020 19:41	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	300	600	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	300	600	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	300	600	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	300	600	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	300	600	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/11/2020 06:12	09/11/2020 19:41	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	300	600	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP
95-63-6	1,2,4-Trimethylbenzene	13000		ug/kg dry	300	600	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	300	600	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	300	600	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	300	600	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	300	600	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	300	600	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP
108-67-8	1,3,5-Trimethylbenzene	3800		ug/kg dry	300	600	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	300	600	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	300	600	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP
123-91-1	1,4-Dioxane	ND		ug/kg dry	6000	12000	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP
78-93-3	2-Butanone	ND		ug/kg dry	300	600	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP
591-78-6	2-Hexanone	ND		ug/kg dry	300	600	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP



Sample Information

Client Sample ID: 22_S

York Sample ID: 20I0305-50

York Project (SDG) No.

Client Project ID

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Collection Date/Time

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140115301

Soil

September 4, 2020 4:45 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	300	600	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP
67-64-1	Acetone	2000	CCV-E, ICV-E	ug/kg dry	600	1200	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP
107-02-8	Acrolein	ND		ug/kg dry	600	1200	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP
107-13-1	Acrylonitrile	ND		ug/kg dry	300	600	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP
71-43-2	Benzene	ND		ug/kg dry	300	600	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP
74-97-5	Bromochloromethane	ND		ug/kg dry	300	600	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP
75-27-4	Bromodichloromethane	ND		ug/kg dry	300	600	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP
75-25-2	Bromoform	ND		ug/kg dry	300	600	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP
74-83-9	Bromomethane	ND		ug/kg dry	300	600	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP
75-15-0	Carbon disulfide	ND		ug/kg dry	300	600	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP
56-23-5	Carbon tetrachloride	ND		ug/kg dry	300	600	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP
108-90-7	Chlorobenzene	ND		ug/kg dry	300	600	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP
75-00-3	Chloroethane	ND		ug/kg dry	300	600	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP
67-66-3	Chloroform	ND		ug/kg dry	300	600	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP
74-87-3	Chloromethane	ND		ug/kg dry	300	600	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	300	600	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	300	600	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP
110-82-7	Cyclohexane	ND		ug/kg dry	300	600	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP
124-48-1	Dibromochloromethane	ND		ug/kg dry	300	600	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP
74-95-3	Dibromomethane	ND		ug/kg dry	300	600	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	300	600	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP
100-41-4	Ethyl Benzene	690		ug/kg dry	300	600	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP



Sample Information

Client Sample ID: 22_S

York Sample ID: 20I0305-50

York Project (SDG) No.

Client Project ID

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Collection Date/Time

Date Received

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Soil

September 4, 2020 4:45 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	300	600	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP
98-82-8	Isopropylbenzene	450	J	ug/kg dry	300	600	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP
79-20-9	Methyl acetate	ND		ug/kg dry	300	600	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	300	600	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP
108-87-2	Methylcyclohexane	790		ug/kg dry	300	600	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP
75-09-2	Methylene chloride	ND		ug/kg dry	600	1200	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP
104-51-8	n-Butylbenzene	1700		ug/kg dry	300	600	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP
103-65-1	n-Propylbenzene	1800		ug/kg dry	300	600	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP
95-47-6	o-Xylene	920		ug/kg dry	300	600	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP
179601-23-1	p- & m- Xylenes	3000		ug/kg dry	600	1200	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	300	600	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP
135-98-8	sec-Butylbenzene	380	J	ug/kg dry	300	600	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP
100-42-5	Styrene	ND		ug/kg dry	300	600	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	300	600	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	300	600	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP
127-18-4	Tetrachloroethylene	ND		ug/kg dry	300	600	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP
108-88-3	Toluene	ND		ug/kg dry	300	600	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	300	600	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	300	600	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP
79-01-6	Trichloroethylene	ND		ug/kg dry	300	600	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	300	600	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP
75-01-4	Vinyl Chloride	ND		ug/kg dry	300	600	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 19:41	TMP



Sample Information

Client Sample ID: 22_S

York Sample ID: 20I0305-50

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

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Soil

September 4, 2020 4:45 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1330-20-7	Xylenes, Total	3900		ug/kg dry	910	1800	100	EPA 8260C	09/11/2020 06:12	09/11/2020 19:41	TMP
Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP											
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	77.0 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	98.7 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	90.6 %	76-130								

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
solids	* % Solids	73.3		%	0.100	1	SM 2540G	09/15/2020 15:21	09/15/2020 16:44	WL	
Certifications: CTDOH											



Sample Information

Client Sample ID: 5_GW

York Sample ID: 20I0305-51

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Water

September 4, 2020 12:00 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP
75-34-3	1,1-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP
95-63-6	1,2,4-Trimethylbenzene	760		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP
106-93-4	1,2-Dibromoethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP
107-06-2	1,2-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP
78-87-5	1,2-Dichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP
108-67-8	1,3,5-Trimethylbenzene	200		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP
123-91-1	1,4-Dioxane	ND		ug/L	400	800	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP
78-93-3	2-Butanone	370	Cal-E, CCV-E	ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP



Sample Information

Client Sample ID: 5_GW

York Sample ID: 20I0305-51

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Water

September 4, 2020 12:00 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	24	Cal-E	ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP
108-10-1	4-Methyl-2-pentanone	26	Cal-E	ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP
67-64-1	Acetone	1200		ug/L	10	20	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP
107-02-8	Acrolein	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP
107-13-1	Acrylonitrile	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP
71-43-2	Benzene	220		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP
74-97-5	Bromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP
75-27-4	Bromodichloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP
75-25-2	Bromoform	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP
74-83-9	Bromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP
75-15-0	Carbon disulfide	2.3	J	ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP
56-23-5	Carbon tetrachloride	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP
108-90-7	Chlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP
75-00-3	Chloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP
67-66-3	Chloroform	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP
74-87-3	Chloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP
110-82-7	Cyclohexane	37		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP
124-48-1	Dibromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP
74-95-3	Dibromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP



Sample Information

Client Sample ID: 5_GW

York Sample ID: 20I0305-51

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Water

September 4, 2020 12:00 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	190		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP
87-68-3	Hexachlorobutadiene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP
98-82-8	Isopropylbenzene	31		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP
79-20-9	Methyl acetate	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	1600		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP
108-87-2	Methylcyclohexane	55		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP
75-09-2	Methylene chloride	ND		ug/L	10	20	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP
104-51-8	n-Butylbenzene	12		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP
103-65-1	n-Propylbenzene	110		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP
95-47-6	o-Xylene	210		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/11/2020 15:34	09/12/2020 01:42	TMP
179601-23-1	p- & m- Xylenes	700		ug/L	5.0	10	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/11/2020 15:34	09/12/2020 01:42	TMP
99-87-6	p-Isopropyltoluene	4.2	J	ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP
135-98-8	sec-Butylbenzene	8.1		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP
100-42-5	Styrene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	5.0	10	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP
127-18-4	Tetrachloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP
108-88-3	Toluene	260		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP
79-01-6	Trichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP
75-69-4	Trichlorofluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP



Sample Information

Client Sample ID: 5_GW

York Sample ID: 20I0305-51

York Project (SDG) No.
20I0305

Client Project ID
140115301

Matrix
Water

Collection Date/Time
September 4, 2020 12:00 pm

Date Received
09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP
1330-20-7	Xylenes, Total	910		ug/L	6.0	15	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/11/2020 15:34	09/12/2020 01:42	TMP
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	101 %			69-130						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	99.8 %			79-122						



Sample Information

Client Sample ID: 5_S

York Sample ID: 20I0305-52

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 4, 2020 12:05 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/11/2020 06:12	09/11/2020 20:07	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/11/2020 06:12	09/11/2020 20:07	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP
95-63-6	1,2,4-Trimethylbenzene	4200		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP
108-67-8	1,3,5-Trimethylbenzene	1300		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP
123-91-1	1,4-Dioxane	ND		ug/kg dry	5200	10000	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP
78-93-3	2-Butanone	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP
591-78-6	2-Hexanone	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP



Sample Information

Client Sample ID: 5_S

York Sample ID: 20I0305-52

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 4, 2020 12:05 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP
67-64-1	Acetone	ND		ug/kg dry	520	1000	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP
107-02-8	Acrolein	ND		ug/kg dry	520	1000	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP
107-13-1	Acrylonitrile	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP
71-43-2	Benzene	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP
74-97-5	Bromochloromethane	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP
75-27-4	Bromodichloromethane	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP
75-25-2	Bromoform	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP
74-83-9	Bromomethane	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP
75-15-0	Carbon disulfide	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP
56-23-5	Carbon tetrachloride	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP
108-90-7	Chlorobenzene	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP
75-00-3	Chloroethane	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP
67-66-3	Chloroform	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP
74-87-3	Chloromethane	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP
110-82-7	Cyclohexane	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP
124-48-1	Dibromochloromethane	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP
74-95-3	Dibromomethane	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP
100-41-4	Ethyl Benzene	350	J	ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP



Sample Information

Client Sample ID: 5_S

York Sample ID: 20I0305-52

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 4, 2020 12:05 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP
98-82-8	Isopropylbenzene	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP
79-20-9	Methyl acetate	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	280	J	ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP
108-87-2	Methylcyclohexane	1400		ug/kg dry	260	520	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP
75-09-2	Methylene chloride	ND		ug/kg dry	520	1000	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP
104-51-8	n-Butylbenzene	540		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP
103-65-1	n-Propylbenzene	640		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP
95-47-6	o-Xylene	380	J	ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP
179601-23-1	p- & m- Xylenes	1500		ug/kg dry	520	1000	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP
135-98-8	sec-Butylbenzene	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP
100-42-5	Styrene	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP
127-18-4	Tetrachloroethylene	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP
108-88-3	Toluene	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP
79-01-6	Trichloroethylene	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP
75-01-4	Vinyl Chloride	ND		ug/kg dry	260	520	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:07	TMP



Sample Information

Client Sample ID: 5_S

York Sample ID: 20I0305-52

York Project (SDG) No.
20I0305

Client Project ID
140115301

Matrix
Soil

Collection Date/Time
September 4, 2020 12:05 pm

Date Received
09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1330-20-7	Xylenes, Total	1800		ug/kg dry	770	1500	100	EPA 8260C	09/11/2020 06:12	09/11/2020 20:07	TMP
Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP											
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	75.7 %	S-03	77-125							
2037-26-5	Surrogate: SURR: Toluene-d8	96.7 %		85-120							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	91.4 %		76-130							

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
solids	* % Solids	78.3		%	0.100	1	SM 2540G	09/15/2020 15:21	09/15/2020 16:44	WL	
Certifications: CTDOH											



Sample Information

Client Sample ID: 5 6_GW

York Sample ID: 20I0305-53

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Water

September 4, 2020 12:00 pm

09/08/2020

Metals, Target Analyte, ICP Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	0.761		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:50	KML
7440-39-3	Barium	0.665		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:50	KML
7440-70-2	Calcium	826		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:50	KML
7440-47-3	Chromium	0.191		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:50	KML
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:50	KML
7440-50-8	Copper	0.0484		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:50	KML
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:50	KML
7439-92-1	Lead	0.0127		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:50	KML
7439-95-4	Magnesium	0.403		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:50	KML
7439-96-5	Manganese	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:50	KML
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:50	KML
7440-09-7	Potassium	136		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:50	KML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:50	KML
7440-23-5	Sodium	2260		mg/L	5.56	10	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/15/2020 11:53	KML
7440-62-2	Vanadium	0.177		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:50	KML
7440-66-6	Zinc	0.0948		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:50	KML

Metals, Target Analyte, ICPMS Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:45	09/10/2020 12:37	BML
7440-38-2	Arsenic	21.6		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:45	09/10/2020 12:37	BML



Sample Information

Client Sample ID: 5 6_GW

York Sample ID: 20I0305-53

York Project (SDG) No.
20I0305

Client Project ID
140115301

Matrix
Water

Collection Date/Time
September 4, 2020 12:00 pm

Date Received
09/08/2020

Metals, Target Analyte, ICPMS Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:45	09/10/2020 12:37	BML
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:45	09/10/2020 12:37	BML
7782-49-2	Selenium	70.2		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:45	09/10/2020 12:37	BML
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:45	09/10/2020 12:37	BML

Mercury by 7473, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002000	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 11:44	09/09/2020 15:21	SY



Sample Information

Client Sample ID: 5 6_S

York Sample ID: 20I0305-54

York Project (SDG) No. 20I0305

Client Project ID 140115301

Matrix Soil

Collection Date/Time September 4, 2020 12:05 pm

Date Received 09/08/2020

Analyzed by: Phoenix Environmental Laboratories, Inc. S

Total Organic Carbon (TOC-SUB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: *** DEFAULT PREP ***

Table with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: Total Organic Carbon (TOC), 1300, mg/kg, 100, 1, SW9060A, 09/09/2020 00:00, 09/10/2020 00:00, PHO. Certifications:



Sample Information

Client Sample ID: 6_GW

York Sample ID: 20I0305-55

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Water

September 4, 2020 12:30 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:07	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:07	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:07	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:07	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:07	TMP
75-34-3	1,1-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:07	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:07	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:07	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:07	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:07	TMP
95-63-6	1,2,4-Trimethylbenzene	760		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:07	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:07	TMP
106-93-4	1,2-Dibromoethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:07	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:07	TMP
107-06-2	1,2-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:07	TMP
78-87-5	1,2-Dichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:07	TMP
108-67-8	1,3,5-Trimethylbenzene	210		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:07	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:07	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:07	TMP
123-91-1	1,4-Dioxane	ND		ug/L	400	800	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:07	TMP
78-93-3	2-Butanone	610	Cal-E, CCV-E	ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:07	TMP



Sample Information

Client Sample ID: 6_GW

York Sample ID: 20I0305-55

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Water

September 4, 2020 12:30 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	80	Cal-E	ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:07	TMP
108-10-1	4-Methyl-2-pentanone	31	Cal-E	ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:07	TMP
67-64-1	Acetone	1600		ug/L	100	200	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/15/2020 01:41	TMP
107-02-8	Acrolein	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:07	TMP
107-13-1	Acrylonitrile	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:07	TMP
71-43-2	Benzene	250		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:07	TMP
74-97-5	Bromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:07	TMP
75-27-4	Bromodichloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:07	TMP
75-25-2	Bromoform	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:07	TMP
74-83-9	Bromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:07	TMP
75-15-0	Carbon disulfide	2.4	J	ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:07	TMP
56-23-5	Carbon tetrachloride	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:07	TMP
108-90-7	Chlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:07	TMP
75-00-3	Chloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:07	TMP
67-66-3	Chloroform	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:07	TMP
74-87-3	Chloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:07	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:07	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:07	TMP
110-82-7	Cyclohexane	10		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:07	TMP
124-48-1	Dibromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:07	TMP
74-95-3	Dibromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:07	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:07	TMP



Sample Information

Client Sample ID: 6_GW

York Sample ID: 20I0305-55

York Project (SDG) No.

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Collection Date/Time

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20I0305

140115301

Water

September 4, 2020 12:30 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	180		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:07	TMP
87-68-3	Hexachlorobutadiene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:07	TMP
98-82-8	Isopropylbenzene	30		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:07	TMP
79-20-9	Methyl acetate	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:07	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	1500		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/15/2020 01:41	TMP
108-87-2	Methylcyclohexane	12		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:07	TMP
75-09-2	Methylene chloride	ND		ug/L	10	20	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:07	TMP
104-51-8	n-Butylbenzene	11		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:07	TMP
103-65-1	n-Propylbenzene	110		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:07	TMP
95-47-6	o-Xylene	210		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/11/2020 15:34	09/12/2020 02:07	TMP
179601-23-1	p- & m- Xylenes	650		ug/L	5.0	10	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/11/2020 15:34	09/12/2020 02:07	TMP
99-87-6	p-Isopropyltoluene	4.6	J	ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:07	TMP
135-98-8	sec-Butylbenzene	9.2		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:07	TMP
100-42-5	Styrene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:07	TMP
75-65-0	tert-Butyl alcohol (TBA)	890		ug/L	5.0	10	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:07	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:07	TMP
127-18-4	Tetrachloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:07	TMP
108-88-3	Toluene	280		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:07	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:07	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:07	TMP
79-01-6	Trichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:07	TMP
75-69-4	Trichlorofluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:07	TMP



Sample Information

Client Sample ID: 6_GW

York Sample ID: 20I0305-55

York Project (SDG) No.
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Matrix
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Collection Date/Time
September 4, 2020 12:30 pm

Date Received
09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	2.0	5.0	10	EPA 8260C	09/11/2020 15:34	09/12/2020 02:07	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP		
1330-20-7	Xylenes, Total	860		ug/L	6.0	15	10	EPA 8260C	09/11/2020 15:34	09/12/2020 02:07	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
	Surrogate Recoveries	Result									Acceptance Range
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	109 %									69-130
2037-26-5	Surrogate: SURR: Toluene-d8	101 %									81-117
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	98.3 %									79-122



Sample Information

Client Sample ID: 6_S

York Sample ID: 20I0305-56

York Project (SDG) No.

Client Project ID

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Collection Date/Time

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20I0305

140115301

Soil

September 4, 2020 12:35 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	180	350	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	180	350	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	180	350	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	180	350	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/11/2020 06:12	09/11/2020 20:33	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	180	350	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	180	350	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	180	350	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	180	350	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	180	350	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/11/2020 06:12	09/11/2020 20:33	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	180	350	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP
95-63-6	1,2,4-Trimethylbenzene	1900		ug/kg dry	180	350	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	180	350	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	180	350	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	180	350	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	180	350	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	180	350	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP
108-67-8	1,3,5-Trimethylbenzene	580		ug/kg dry	180	350	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	180	350	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	180	350	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP
123-91-1	1,4-Dioxane	ND		ug/kg dry	3500	7000	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP
78-93-3	2-Butanone	ND		ug/kg dry	180	350	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP
591-78-6	2-Hexanone	ND		ug/kg dry	180	350	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP



Sample Information

Client Sample ID: 6_S

York Sample ID: 20I0305-56

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 4, 2020 12:35 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	180	350	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP
67-64-1	Acetone	350	J, CCV-E, ICV-E	ug/kg dry	350	700	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP
107-02-8	Acrolein	ND		ug/kg dry	350	700	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP
107-13-1	Acrylonitrile	ND		ug/kg dry	180	350	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP
71-43-2	Benzene	ND		ug/kg dry	180	350	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP
74-97-5	Bromochloromethane	ND		ug/kg dry	180	350	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP
75-27-4	Bromodichloromethane	ND		ug/kg dry	180	350	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP
75-25-2	Bromoform	ND		ug/kg dry	180	350	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP
74-83-9	Bromomethane	ND		ug/kg dry	180	350	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP
75-15-0	Carbon disulfide	ND		ug/kg dry	180	350	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP
56-23-5	Carbon tetrachloride	ND		ug/kg dry	180	350	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP
108-90-7	Chlorobenzene	ND		ug/kg dry	180	350	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP
75-00-3	Chloroethane	ND		ug/kg dry	180	350	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP
67-66-3	Chloroform	ND		ug/kg dry	180	350	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP
74-87-3	Chloromethane	ND		ug/kg dry	180	350	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	180	350	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	180	350	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP
110-82-7	Cyclohexane	ND		ug/kg dry	180	350	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP
124-48-1	Dibromochloromethane	ND		ug/kg dry	180	350	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP
74-95-3	Dibromomethane	ND		ug/kg dry	180	350	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	180	350	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP



Sample Information

Client Sample ID: 6_S

York Sample ID: 20I0305-56

York Project (SDG) No.

Client Project ID

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Collection Date/Time

Date Received

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Soil

September 4, 2020 12:35 pm

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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/kg dry	180	350	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	180	350	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP
98-82-8	Isopropylbenzene	ND		ug/kg dry	180	350	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP
79-20-9	Methyl acetate	ND		ug/kg dry	180	350	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	240	J	ug/kg dry	180	350	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP
108-87-2	Methylcyclohexane	700		ug/kg dry	180	350	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP
75-09-2	Methylene chloride	ND		ug/kg dry	350	700	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP
104-51-8	n-Butylbenzene	280	J	ug/kg dry	180	350	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP
103-65-1	n-Propylbenzene	310	J	ug/kg dry	180	350	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP
95-47-6	o-Xylene	ND		ug/kg dry	180	350	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP
179601-23-1	p- & m- Xylenes	610	J	ug/kg dry	350	700	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	180	350	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP
135-98-8	sec-Butylbenzene	ND		ug/kg dry	180	350	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP
100-42-5	Styrene	ND		ug/kg dry	180	350	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	180	350	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	180	350	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP
127-18-4	Tetrachloroethylene	ND		ug/kg dry	180	350	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP
108-88-3	Toluene	ND		ug/kg dry	180	350	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	180	350	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	180	350	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP
79-01-6	Trichloroethylene	ND		ug/kg dry	180	350	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	180	350	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP



Sample Information

Client Sample ID: 6_S

York Sample ID: 20I0305-56

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 4, 2020 12:35 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/kg dry	180	350	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:33	TMP
1330-20-7	Xylenes, Total	610	J	ug/kg dry	530	1100	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/11/2020 06:12	09/11/2020 20:33	TMP
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	77.8 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	97.7 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	90.7 %			76-130						

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	83.6		%	0.100	1	SM 2540G Certifications: CTDOH	09/15/2020 15:21	09/15/2020 16:44	WL



Sample Information

Client Sample ID: 7_GW

York Sample ID: 20I0305-57

<u>York Project (SDG) No.</u> 20I0305	<u>Client Project ID</u> 140115301	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 4, 2020 2:00 pm	<u>Date Received</u> 09/08/2020
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP
75-34-3	1,1-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP
95-63-6	1,2,4-Trimethylbenzene	680		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP
106-93-4	1,2-Dibromoethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP
107-06-2	1,2-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP
78-87-5	1,2-Dichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP
108-67-8	1,3,5-Trimethylbenzene	180		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP
123-91-1	1,4-Dioxane	ND		ug/L	400	800	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP
78-93-3	2-Butanone	400	CCV-E, Cal-E	ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP



Sample Information

Client Sample ID: 7_GW

York Sample ID: 20I0305-57

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Water

September 4, 2020 2:00 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	24	Cal-E	ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP
108-10-1	4-Methyl-2-pentanone	23	Cal-E	ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP
67-64-1	Acetone	1600		ug/L	100	200	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/15/2020 02:07	TMP
107-02-8	Acrolein	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP
107-13-1	Acrylonitrile	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP
71-43-2	Benzene	79		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP
74-97-5	Bromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP
75-27-4	Bromodichloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP
75-25-2	Bromoform	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP
74-83-9	Bromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP
75-15-0	Carbon disulfide	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP
56-23-5	Carbon tetrachloride	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP
108-90-7	Chlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP
75-00-3	Chloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP
67-66-3	Chloroform	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP
74-87-3	Chloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP
110-82-7	Cyclohexane	29		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP
124-48-1	Dibromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP
74-95-3	Dibromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP



Sample Information

Client Sample ID: 7_GW

York Sample ID: 20I0305-57

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Water

September 4, 2020 2:00 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	120		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP
87-68-3	Hexachlorobutadiene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP
98-82-8	Isopropylbenzene	26		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP
79-20-9	Methyl acetate	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	1200		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP
108-87-2	Methylcyclohexane	43		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP
75-09-2	Methylene chloride	ND		ug/L	10	20	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP
104-51-8	n-Butylbenzene	13		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP
103-65-1	n-Propylbenzene	91		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP
95-47-6	o-Xylene	130		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/11/2020 15:34	09/12/2020 02:33	TMP
179601-23-1	p- & m- Xylenes	460		ug/L	5.0	10	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/11/2020 15:34	09/12/2020 02:33	TMP
99-87-6	p-Isopropyltoluene	3.8	J	ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP
135-98-8	sec-Butylbenzene	8.3		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP
100-42-5	Styrene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	5.0	10	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP
127-18-4	Tetrachloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP
108-88-3	Toluene	82		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP
79-01-6	Trichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP
75-69-4	Trichlorofluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP



Sample Information

Client Sample ID: 7_GW

York Sample ID: 20I0305-57

York Project (SDG) No.
20I0305

Client Project ID
140115301

Matrix
Water

Collection Date/Time
September 4, 2020 2:00 pm

Date Received
09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP
1330-20-7	Xylenes, Total	590		ug/L	6.0	15	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/11/2020 15:34	09/12/2020 02:33	TMP
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	104 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	101 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	96.0 %	79-122								



Sample Information

Client Sample ID: 7_S

York Sample ID: 20I0305-58

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 4, 2020 2:05 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 05:45	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 05:45	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 05:45	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/09/2020 06:49	09/10/2020 05:45	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 05:45	TMP
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 05:45	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 05:45	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 05:45	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/09/2020 06:49	09/10/2020 05:45	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 05:45	TMP
95-63-6	1,2,4-Trimethylbenzene	3800		ug/kg dry	270	540	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:59	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 05:45	TMP
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 05:45	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 05:45	TMP
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 05:45	TMP
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 05:45	TMP
108-67-8	1,3,5-Trimethylbenzene	1100		ug/kg dry	270	540	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:59	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 05:45	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 05:45	TMP
123-91-1	1,4-Dioxane	ND		ug/kg dry	54	110	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 05:45	TMP
78-93-3	2-Butanone	100	Cal-E	ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 05:45	TMP
591-78-6	2-Hexanone	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 05:45	TMP



Sample Information

Client Sample ID: 7_S

York Sample ID: 20I0305-58

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 4, 2020 2:05 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 05:45	TMP
67-64-1	Acetone	280	CCV-E, ICV-E, VOA-E	ug/kg dry	5.4	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 05:45	TMP
107-02-8	Acrolein	ND		ug/kg dry	5.4	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 05:45	TMP
107-13-1	Acrylonitrile	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 05:45	TMP
71-43-2	Benzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 05:45	TMP
74-97-5	Bromochloromethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 05:45	TMP
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 05:45	TMP
75-25-2	Bromoform	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 05:45	TMP
74-83-9	Bromomethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 05:45	TMP
75-15-0	Carbon disulfide	5.9		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 05:45	TMP
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 05:45	TMP
108-90-7	Chlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 05:45	TMP
75-00-3	Chloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 05:45	TMP
67-66-3	Chloroform	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 05:45	TMP
74-87-3	Chloromethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 05:45	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 05:45	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 05:45	TMP
110-82-7	Cyclohexane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 05:45	TMP
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 05:45	TMP
74-95-3	Dibromomethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 05:45	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 05:45	TMP



Sample Information

Client Sample ID: 7_S

York Sample ID: 20I0305-58

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 4, 2020 2:05 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	130		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 05:45	TMP
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 05:45	TMP
98-82-8	Isopropylbenzene	54		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 05:45	TMP
79-20-9	Methyl acetate	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 05:45	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	210		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 05:45	TMP
108-87-2	Methylcyclohexane	1400		ug/kg dry	270	540	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 20:59	TMP
75-09-2	Methylene chloride	ND		ug/kg dry	5.4	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 05:45	TMP
104-51-8	n-Butylbenzene	81		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 05:45	TMP
103-65-1	n-Propylbenzene	140		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 05:45	TMP
95-47-6	o-Xylene	150		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 05:45	TMP
179601-23-1	p- & m- Xylenes	270		ug/kg dry	5.4	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 05:45	TMP
99-87-6	p-Isopropyltoluene	12		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 05:45	TMP
135-98-8	sec-Butylbenzene	29		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 05:45	TMP
100-42-5	Styrene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 05:45	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 05:45	TMP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 05:45	TMP
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 05:45	TMP
108-88-3	Toluene	28		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 05:45	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 05:45	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 05:45	TMP
79-01-6	Trichloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 05:45	TMP
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 05:45	TMP



Sample Information

Client Sample ID: 7_S

York Sample ID: 20I0305-58

York Project (SDG) No.
20I0305

Client Project ID
140115301

Matrix
Soil

Collection Date/Time
September 4, 2020 2:05 pm

Date Received
09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2020 06:49	09/10/2020 05:45	TMP
1330-20-7	Xylenes, Total	420		ug/kg dry	8.1	16	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/09/2020 06:49	09/10/2020 05:45	TMP
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	78.5 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	94.6 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	93.5 %			76-130						

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	76.2		%	0.100	1	SM 2540G Certifications: CTDOH	09/15/2020 15:21	09/15/2020 16:44	WL



Sample Information

Client Sample ID: 78_GW

York Sample ID: 20I0305-59

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Water

September 4, 2020 2:00 pm

09/08/2020

Metals, Target Analyte, ICP Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	0.951		mg/L	0.556	10	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:53	KML
7440-39-3	Barium	0.603		mg/L	0.278	10	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:53	KML
7440-70-2	Calcium	542		mg/L	0.556	10	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:53	KML
7440-47-3	Chromium	0.268		mg/L	0.0556	10	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:53	KML
7440-48-4	Cobalt	ND		mg/L	0.0444	10	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:53	KML
7440-50-8	Copper	ND		mg/L	0.222	10	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:53	KML
7439-89-6	Iron	ND		mg/L	2.78	10	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:53	KML
7439-92-1	Lead	ND		mg/L	0.0556	10	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:53	KML
7439-95-4	Magnesium	ND		mg/L	0.556	10	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:53	KML
7439-96-5	Manganese	ND		mg/L	0.0556	10	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:53	KML
7440-02-0	Nickel	ND		mg/L	0.111	10	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:53	KML
7440-09-7	Potassium	136		mg/L	0.556	10	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:53	KML
7440-22-4	Silver	ND		mg/L	0.0556	10	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:53	KML
7440-23-5	Sodium	4200		mg/L	5.56	10	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:53	KML
7440-62-2	Vanadium	0.196		mg/L	0.111	10	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:53	KML
7440-66-6	Zinc	0.337		mg/L	0.278	10	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:43	09/11/2020 13:53	KML

Metals, Target Analyte, ICPMS Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:45	09/10/2020 12:41	BML
7440-38-2	Arsenic	2.70		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:45	09/10/2020 12:41	BML



Sample Information

Client Sample ID: 78_GW

York Sample ID: 20I0305-59

York Project (SDG) No.
20I0305

Client Project ID
140115301

Matrix
Water

Collection Date/Time
September 4, 2020 2:00 pm

Date Received
09/08/2020

Metals, Target Analyte, ICPMS Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:45	09/10/2020 12:41	BML
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:45	09/10/2020 12:41	BML
7782-49-2	Selenium	7.34		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:45	09/10/2020 12:41	BML
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 13:45	09/10/2020 12:41	BML

Mercury by 7473, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002000	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/09/2020 11:44	09/09/2020 18:40	MAO



Sample Information

Client Sample ID: 78_S

York Sample ID: 20I0305-60

York Project (SDG) No.
20I0305

Client Project ID
140115301

Matrix
Soil

Collection Date/Time
September 4, 2020 2:05 pm

Date Received
09/08/2020

Analyzed by: Phoenix Environmental Laboratories, Inc. S

Total Organic Carbon (TOC-SUB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: *** DEFAULT PREP ***

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	Total Organic Carbon (TOC)	1170		mg/kg	100	1	SW9060A	09/09/2020 00:00	09/14/2020 00:00	PHO	
							Certifications:				



Sample Information

Client Sample ID: 8_GW

York Sample ID: 20I0305-61

<u>York Project (SDG) No.</u> 20I0305	<u>Client Project ID</u> 140115301	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 4, 2020 2:30 pm	<u>Date Received</u> 09/08/2020
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP
75-34-3	1,1-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP
95-63-6	1,2,4-Trimethylbenzene	690		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP
106-93-4	1,2-Dibromoethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP
107-06-2	1,2-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP
78-87-5	1,2-Dichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP
108-67-8	1,3,5-Trimethylbenzene	190		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP
123-91-1	1,4-Dioxane	ND		ug/L	400	800	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP
78-93-3	2-Butanone	710	Cal-E, CCV-E	ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP



Sample Information

Client Sample ID: 8_GW

York Sample ID: 20I0305-61

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Water

September 4, 2020 2:30 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	48	Cal-E	ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP
108-10-1	4-Methyl-2-pentanone	35	Cal-E	ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP
67-64-1	Acetone	2500		ug/L	100	200	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/15/2020 02:33	TMP
107-02-8	Acrolein	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP
107-13-1	Acrylonitrile	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP
71-43-2	Benzene	51		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP
74-97-5	Bromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP
75-27-4	Bromodichloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP
75-25-2	Bromoform	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP
74-83-9	Bromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP
75-15-0	Carbon disulfide	2.1	J	ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP
56-23-5	Carbon tetrachloride	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP
108-90-7	Chlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP
75-00-3	Chloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP
67-66-3	Chloroform	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP
74-87-3	Chloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP
110-82-7	Cyclohexane	26		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP
124-48-1	Dibromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP
74-95-3	Dibromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP



Sample Information

Client Sample ID: 8_GW

York Sample ID: 20I0305-61

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Water

September 4, 2020 2:30 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	110		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP
87-68-3	Hexachlorobutadiene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP
98-82-8	Isopropylbenzene	27		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP
79-20-9	Methyl acetate	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	1200		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP
108-87-2	Methylcyclohexane	46		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP
75-09-2	Methylene chloride	ND		ug/L	10	20	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP
104-51-8	n-Butylbenzene	15		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP
103-65-1	n-Propylbenzene	97		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP
95-47-6	o-Xylene	120		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/11/2020 15:34	09/12/2020 02:58	TMP
179601-23-1	p- & m- Xylenes	410		ug/L	5.0	10	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/11/2020 15:34	09/12/2020 02:58	TMP
99-87-6	p-Isopropyltoluene	4.8	J	ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP
135-98-8	sec-Butylbenzene	10		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP
100-42-5	Styrene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	5.0	10	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP
127-18-4	Tetrachloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP
108-88-3	Toluene	76		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP
79-01-6	Trichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP
75-69-4	Trichlorofluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP



Sample Information

Client Sample ID: 8_GW

York Sample ID: 20I0305-61

York Project (SDG) No.
20I0305

Client Project ID
140115301

Matrix
Water

Collection Date/Time
September 4, 2020 2:30 pm

Date Received
09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP
1330-20-7	Xylenes, Total	520		ug/L	6.0	15	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/11/2020 15:34	09/12/2020 02:58	TMP
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	102 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	101 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	96.3 %	79-122								



Sample Information

Client Sample ID: 8_S

York Sample ID: 20I0305-62

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 4, 2020 2:35 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/11/2020 06:12	09/11/2020 21:26	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/11/2020 06:12	09/11/2020 21:26	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP
95-63-6	1,2,4-Trimethylbenzene	3700		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP
108-67-8	1,3,5-Trimethylbenzene	1100		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP
123-91-1	1,4-Dioxane	ND		ug/kg dry	4600	9300	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP
78-93-3	2-Butanone	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP
591-78-6	2-Hexanone	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP



Sample Information

Client Sample ID: 8_S

York Sample ID: 20I0305-62

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 4, 2020 2:35 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP
67-64-1	Acetone	900	J, CCV-E, ICV-E	ug/kg dry	460	930	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP
107-02-8	Acrolein	ND		ug/kg dry	460	930	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP
107-13-1	Acrylonitrile	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP
71-43-2	Benzene	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP
74-97-5	Bromochloromethane	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP
75-27-4	Bromodichloromethane	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP
75-25-2	Bromoform	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP
74-83-9	Bromomethane	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP
75-15-0	Carbon disulfide	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP
56-23-5	Carbon tetrachloride	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP
108-90-7	Chlorobenzene	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP
75-00-3	Chloroethane	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP
67-66-3	Chloroform	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP
74-87-3	Chloromethane	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP
110-82-7	Cyclohexane	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP
124-48-1	Dibromochloromethane	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP
74-95-3	Dibromomethane	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP



Sample Information

Client Sample ID: 8_S

York Sample ID: 20I0305-62

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 4, 2020 2:35 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP
98-82-8	Isopropylbenzene	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP
79-20-9	Methyl acetate	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	400	J	ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP
108-87-2	Methylcyclohexane	1200		ug/kg dry	230	460	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP
75-09-2	Methylene chloride	ND		ug/kg dry	460	930	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP
104-51-8	n-Butylbenzene	590		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP
103-65-1	n-Propylbenzene	600		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP
95-47-6	o-Xylene	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP
179601-23-1	p- & m- Xylenes	880	J	ug/kg dry	460	930	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP
135-98-8	sec-Butylbenzene	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP
100-42-5	Styrene	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP
127-18-4	Tetrachloroethylene	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP
108-88-3	Toluene	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP
79-01-6	Trichloroethylene	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP



Sample Information

Client Sample ID: 8_S

York Sample ID: 20I0305-62

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 4, 2020 2:35 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:26	TMP
1330-20-7	Xylenes, Total	880	J	ug/kg dry	700	1400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/11/2020 06:12	09/11/2020 21:26	TMP
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	77.6 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	96.9 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	91.2 %	76-130								

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	73.5		%	0.100	1	SM 2540G Certifications: CTDOH	09/15/2020 15:23	09/15/2020 16:50	WL



Sample Information

Client Sample ID: 9_GW

York Sample ID: 20I0305-63

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Water

September 4, 2020 2:45 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP
75-34-3	1,1-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP
95-63-6	1,2,4-Trimethylbenzene	530		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP
106-93-4	1,2-Dibromoethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP
107-06-2	1,2-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP
78-87-5	1,2-Dichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP
108-67-8	1,3,5-Trimethylbenzene	140		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP
123-91-1	1,4-Dioxane	ND		ug/L	400	800	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP
78-93-3	2-Butanone	500	CCV-E, Cal-E	ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP



Sample Information

Client Sample ID: 9_GW

York Sample ID: 20I0305-63

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Water

September 4, 2020 2:45 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	56	Cal-E	ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP
108-10-1	4-Methyl-2-pentanone	19	Cal-E	ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP
67-64-1	Acetone	2500		ug/L	100	200	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/15/2020 02:58	TMP
107-02-8	Acrolein	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP
107-13-1	Acrylonitrile	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP
71-43-2	Benzene	10		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP
74-97-5	Bromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP
75-27-4	Bromodichloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP
75-25-2	Bromoform	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP
74-83-9	Bromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP
75-15-0	Carbon disulfide	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP
56-23-5	Carbon tetrachloride	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP
108-90-7	Chlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP
75-00-3	Chloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP
67-66-3	Chloroform	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP
74-87-3	Chloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP
110-82-7	Cyclohexane	16		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP
124-48-1	Dibromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP
74-95-3	Dibromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP



Sample Information

Client Sample ID: 9_GW

York Sample ID: 20I0305-63

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Water

September 4, 2020 2:45 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	80		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP
87-68-3	Hexachlorobutadiene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP
98-82-8	Isopropylbenzene	20		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP
79-20-9	Methyl acetate	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	570		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP
108-87-2	Methylcyclohexane	27		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP
75-09-2	Methylene chloride	ND		ug/L	10	20	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP
104-51-8	n-Butylbenzene	9.4		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP
103-65-1	n-Propylbenzene	72		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP
95-47-6	o-Xylene	82		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/11/2020 15:34	09/12/2020 03:24	TMP
179601-23-1	p- & m- Xylenes	320		ug/L	5.0	10	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/11/2020 15:34	09/12/2020 03:24	TMP
99-87-6	p-Isopropyltoluene	3.0	J	ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP
135-98-8	sec-Butylbenzene	6.4		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP
100-42-5	Styrene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	5.0	10	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP
127-18-4	Tetrachloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP
108-88-3	Toluene	20		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP
79-01-6	Trichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP
75-69-4	Trichlorofluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP



Sample Information

Client Sample ID: 9_GW

York Sample ID: 20I0305-63

York Project (SDG) No.
20I0305

Client Project ID
140115301

Matrix
Water

Collection Date/Time
September 4, 2020 2:45 pm

Date Received
09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP
1330-20-7	Xylenes, Total	400		ug/L	6.0	15	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/11/2020 15:34	09/12/2020 03:24	TMP
Surrogate Recoveries		Result			Acceptance Range						
2037-26-5	Surrogate: SURR: Toluene-d8	101 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	96.1 %			79-122						



Sample Information

Client Sample ID: 9_S

York Sample ID: 20I0305-64

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 4, 2020 2:50 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/11/2020 06:12	09/11/2020 21:52	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/11/2020 06:12	09/11/2020 21:52	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP
95-63-6	1,2,4-Trimethylbenzene	3300		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP
108-67-8	1,3,5-Trimethylbenzene	1000		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP
123-91-1	1,4-Dioxane	ND		ug/kg dry	4600	9100	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP
78-93-3	2-Butanone	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP
591-78-6	2-Hexanone	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP



Sample Information

Client Sample ID: 9_S

York Sample ID: 20I0305-64

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 4, 2020 2:50 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP
67-64-1	Acetone	1200	CCV-E, ICV-E	ug/kg dry	460	910	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP
107-02-8	Acrolein	ND		ug/kg dry	460	910	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP
107-13-1	Acrylonitrile	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP
71-43-2	Benzene	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP
74-97-5	Bromochloromethane	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP
75-27-4	Bromodichloromethane	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP
75-25-2	Bromoform	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP
74-83-9	Bromomethane	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP
75-15-0	Carbon disulfide	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP
56-23-5	Carbon tetrachloride	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP
108-90-7	Chlorobenzene	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP
75-00-3	Chloroethane	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP
67-66-3	Chloroform	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP
74-87-3	Chloromethane	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP
110-82-7	Cyclohexane	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP
124-48-1	Dibromochloromethane	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP
74-95-3	Dibromomethane	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP
100-41-4	Ethyl Benzene	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP



Sample Information

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Soil

September 4, 2020 2:50 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP
98-82-8	Isopropylbenzene	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP
79-20-9	Methyl acetate	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP
108-87-2	Methylcyclohexane	970		ug/kg dry	230	460	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP
75-09-2	Methylene chloride	ND		ug/kg dry	460	910	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP
104-51-8	n-Butylbenzene	550		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP
103-65-1	n-Propylbenzene	540		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP
95-47-6	o-Xylene	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP
179601-23-1	p- & m- Xylenes	720	J	ug/kg dry	460	910	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP
135-98-8	sec-Butylbenzene	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP
100-42-5	Styrene	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP
127-18-4	Tetrachloroethylene	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP
108-88-3	Toluene	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP
79-01-6	Trichloroethylene	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP
75-01-4	Vinyl Chloride	ND		ug/kg dry	230	460	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 21:52	TMP



Sample Information

Client Sample ID: 9_S

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Soil

September 4, 2020 2:50 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1330-20-7	Xylenes, Total	720	J	ug/kg dry	690	1400	100	EPA 8260C	09/11/2020 06:12	09/11/2020 21:52	TMP
Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP											
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	76.7 %	S-03			77-125					
2037-26-5	Surrogate: SURR: Toluene-d8	97.2 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	91.2 %			76-130						

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
solids	* % Solids	71.2		%	0.100	1	SM 2540G	09/15/2020 15:23	09/15/2020 16:50	WL	
Certifications: CTDOH											



Sample Information

Client Sample ID: 9 10_S

York Sample ID: 20I0305-65

<u>York Project (SDG) No.</u> 20I0305	<u>Client Project ID</u> 140115301	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 4, 2020 2:50 pm	<u>Date Received</u> 09/08/2020
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Analyzed by: Phoenix Environmental Laboratories, Inc. S

Total Organic Carbon (TOC-SUB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: *** DEFAULT PREP ***

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	Total Organic Carbon (TOC)	1340		mg/kg	100	1	SW9060A	09/09/2020 00:00	09/14/2020 00:00	PHO	
							Certifications:				



Sample Information

Client Sample ID: 10_GW

York Sample ID: 20I0305-66

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20I0305

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Water

September 4, 2020 3:15 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP
75-34-3	1,1-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP
95-63-6	1,2,4-Trimethylbenzene	300		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP
106-93-4	1,2-Dibromoethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP
107-06-2	1,2-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP
78-87-5	1,2-Dichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP
108-67-8	1,3,5-Trimethylbenzene	82		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP
123-91-1	1,4-Dioxane	ND		ug/L	400	800	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP
78-93-3	2-Butanone	310	Cal-E, CCV-E	ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP



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Water

September 4, 2020 3:15 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP
108-10-1	4-Methyl-2-pentanone	9.2	Cal-E	ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP
67-64-1	Acetone	1600		ug/L	100	200	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/15/2020 03:24	TMP
107-02-8	Acrolein	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP
107-13-1	Acrylonitrile	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP
71-43-2	Benzene	4.8	J	ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP
74-97-5	Bromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP
75-27-4	Bromodichloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP
75-25-2	Bromoform	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP
74-83-9	Bromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP
75-15-0	Carbon disulfide	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP
56-23-5	Carbon tetrachloride	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP
108-90-7	Chlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP
75-00-3	Chloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP
67-66-3	Chloroform	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP
74-87-3	Chloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP
110-82-7	Cyclohexane	13		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP
124-48-1	Dibromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP
74-95-3	Dibromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP



Sample Information

Client Sample ID: 10_GW

York Sample ID: 20I0305-66

York Project (SDG) No.

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Water

September 4, 2020 3:15 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	37		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP
87-68-3	Hexachlorobutadiene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP
98-82-8	Isopropylbenzene	12		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP
79-20-9	Methyl acetate	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	320		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP
108-87-2	Methylcyclohexane	17		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP
75-09-2	Methylene chloride	ND		ug/L	10	20	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP
104-51-8	n-Butylbenzene	6.3		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP
103-65-1	n-Propylbenzene	43		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP
95-47-6	o-Xylene	38		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/11/2020 15:34	09/12/2020 03:50	TMP
179601-23-1	p- & m- Xylenes	150		ug/L	5.0	10	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/11/2020 15:34	09/12/2020 03:50	TMP
99-87-6	p-Isopropyltoluene	2.1	J	ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP
135-98-8	sec-Butylbenzene	4.6	J	ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP
100-42-5	Styrene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	5.0	10	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP
127-18-4	Tetrachloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP
108-88-3	Toluene	9.7		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP
79-01-6	Trichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP
75-69-4	Trichlorofluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP



Sample Information

Client Sample ID: 10_GW

York Sample ID: 20I0305-66

York Project (SDG) No.
20I0305

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Date Received
09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP
1330-20-7	Xylenes, Total	190		ug/L	6.0	15	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/11/2020 15:34	09/12/2020 03:50	TMP
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	107 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	99.0 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	97.4 %	79-122								



Sample Information

Client Sample ID: 10_S

York Sample ID: 20I0305-67

York Project (SDG) No.

Client Project ID

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Soil

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09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/11/2020 06:12	09/11/2020 22:18	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/11/2020 06:12	09/11/2020 22:18	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP
95-63-6	1,2,4-Trimethylbenzene	1300		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP
108-67-8	1,3,5-Trimethylbenzene	410	J	ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP
123-91-1	1,4-Dioxane	ND		ug/kg dry	4200	8400	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP
78-93-3	2-Butanone	310	J, Cal-E	ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP
591-78-6	2-Hexanone	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP



Sample Information

Client Sample ID: 10_S

York Sample ID: 20I0305-67

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

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09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP
67-64-1	Acetone	920	CCV-E, ICV-E	ug/kg dry	420	840	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP
107-02-8	Acrolein	ND		ug/kg dry	420	840	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP
107-13-1	Acrylonitrile	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP
71-43-2	Benzene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP
74-97-5	Bromochloromethane	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP
75-27-4	Bromodichloromethane	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP
75-25-2	Bromoform	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP
74-83-9	Bromomethane	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP
75-15-0	Carbon disulfide	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP
56-23-5	Carbon tetrachloride	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP
108-90-7	Chlorobenzene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP
75-00-3	Chloroethane	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP
67-66-3	Chloroform	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP
74-87-3	Chloromethane	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP
110-82-7	Cyclohexane	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP
124-48-1	Dibromochloromethane	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP
74-95-3	Dibromomethane	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP
100-41-4	Ethyl Benzene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP



Sample Information

Client Sample ID: 10_S

York Sample ID: 20I0305-67

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

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Soil

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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP
98-82-8	Isopropylbenzene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP
79-20-9	Methyl acetate	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP
108-87-2	Methylcyclohexane	450		ug/kg dry	210	420	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP
75-09-2	Methylene chloride	ND		ug/kg dry	420	840	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP
104-51-8	n-Butylbenzene	250	J	ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP
103-65-1	n-Propylbenzene	230	J	ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP
95-47-6	o-Xylene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	420	840	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP
135-98-8	sec-Butylbenzene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP
100-42-5	Styrene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP
127-18-4	Tetrachloroethylene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP
108-88-3	Toluene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP
79-01-6	Trichloroethylene	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP
75-01-4	Vinyl Chloride	ND		ug/kg dry	210	420	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:18	TMP



Sample Information

Client Sample ID: 10_S

York Sample ID: 20I0305-67

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 4, 2020 3:20 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1330-20-7	Xylenes, Total	ND		ug/kg dry	630	1300	100	EPA 8260C	09/11/2020 06:12	09/11/2020 22:18	TMP
Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP											
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	76.1 %	S-03	77-125							
2037-26-5	Surrogate: SURR: Toluene-d8	98.0 %		85-120							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	92.2 %		76-130							

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
solids	* % Solids	73.4		%	0.100	1	SM 2540G	09/15/2020 15:23	09/15/2020 16:50	WL	
Certifications: CTDOH											



Sample Information

Client Sample ID: 20_GW

York Sample ID: 20I0305-68

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Water

September 4, 2020 4:10 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 04:15	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 04:15	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 04:15	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 04:15	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 04:15	TMP
75-34-3	1,1-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 04:15	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 04:15	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 04:15	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 04:15	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 04:15	TMP
95-63-6	1,2,4-Trimethylbenzene	3000		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/15/2020 03:49	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 04:15	TMP
106-93-4	1,2-Dibromoethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 04:15	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 04:15	TMP
107-06-2	1,2-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 04:15	TMP
78-87-5	1,2-Dichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 04:15	TMP
108-67-8	1,3,5-Trimethylbenzene	650		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 04:15	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 04:15	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 04:15	TMP
123-91-1	1,4-Dioxane	ND		ug/L	400	800	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 04:15	TMP
78-93-3	2-Butanone	970	Cal-E, CCV-E	ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 04:15	TMP



Sample Information

Client Sample ID: 20_GW

York Sample ID: 20I0305-68

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Water

September 4, 2020 4:10 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	150	Cal-E	ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 04:15	TMP
108-10-1	4-Methyl-2-pentanone	42	Cal-E	ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 04:15	TMP
67-64-1	Acetone	3300		ug/L	100	200	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/15/2020 03:49	TMP
107-02-8	Acrolein	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 04:15	TMP
107-13-1	Acrylonitrile	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 04:15	TMP
71-43-2	Benzene	140		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 04:15	TMP
74-97-5	Bromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 04:15	TMP
75-27-4	Bromodichloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 04:15	TMP
75-25-2	Bromoform	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 04:15	TMP
74-83-9	Bromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 04:15	TMP
75-15-0	Carbon disulfide	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 04:15	TMP
56-23-5	Carbon tetrachloride	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 04:15	TMP
108-90-7	Chlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 04:15	TMP
75-00-3	Chloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 04:15	TMP
67-66-3	Chloroform	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 04:15	TMP
74-87-3	Chloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 04:15	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 04:15	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 04:15	TMP
110-82-7	Cyclohexane	36		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 04:15	TMP
124-48-1	Dibromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 04:15	TMP
74-95-3	Dibromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 04:15	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 04:15	TMP



Sample Information

Client Sample ID: 20_GW

York Sample ID: 20I0305-68

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Water

September 4, 2020 4:10 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	670		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 04:15	TMP
87-68-3	Hexachlorobutadiene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 04:15	TMP
98-82-8	Isopropylbenzene	120		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 04:15	TMP
79-20-9	Methyl acetate	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 04:15	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	2000		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/15/2020 03:49	TMP
108-87-2	Methylcyclohexane	85		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 04:15	TMP
75-09-2	Methylene chloride	ND		ug/L	10	20	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 04:15	TMP
104-51-8	n-Butylbenzene	26		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 04:15	TMP
103-65-1	n-Propylbenzene	310		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 04:15	TMP
95-47-6	o-Xylene	980		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/11/2020 15:34	09/12/2020 04:15	TMP
179601-23-1	p- & m- Xylenes	2500		ug/L	5.0	10	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/11/2020 15:34	09/12/2020 04:15	TMP
99-87-6	p-Isopropyltoluene	12		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 04:15	TMP
135-98-8	sec-Butylbenzene	20		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 04:15	TMP
100-42-5	Styrene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 04:15	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	5.0	10	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 04:15	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 04:15	TMP
127-18-4	Tetrachloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 04:15	TMP
108-88-3	Toluene	450		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 04:15	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 04:15	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 04:15	TMP
79-01-6	Trichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 04:15	TMP
75-69-4	Trichlorofluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 04:15	TMP



Sample Information

Client Sample ID: 20_GW

York Sample ID: 20I0305-68

York Project (SDG) No.
20I0305

Client Project ID
140115301

Matrix
Water

Collection Date/Time
September 4, 2020 4:10 pm

Date Received
09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/11/2020 15:34	09/12/2020 04:15	TMP
1330-20-7	Xylenes, Total	3500		ug/L	6.0	15	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/11/2020 15:34	09/12/2020 04:15	TMP
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	98.1 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	101 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	102 %	79-122								



Sample Information

Client Sample ID: 20_S

York Sample ID: 20I0305-69

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 4, 2020 4:15 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	300	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	300	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	300	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	300	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/11/2020 06:12	09/11/2020 22:44	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	300	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	300	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	300	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	300	610	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	300	610	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/11/2020 06:12	09/11/2020 22:44	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	300	610	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP
95-63-6	1,2,4-Trimethylbenzene	21000		ug/kg dry	300	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	300	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	300	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	300	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	300	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	300	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP
108-67-8	1,3,5-Trimethylbenzene	6500		ug/kg dry	300	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	300	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	300	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP
123-91-1	1,4-Dioxane	ND		ug/kg dry	6100	12000	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP
78-93-3	2-Butanone	ND		ug/kg dry	300	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP
591-78-6	2-Hexanone	ND		ug/kg dry	300	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP



Sample Information

Client Sample ID: 20_S

York Sample ID: 20I0305-69

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 4, 2020 4:15 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	300	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP
67-64-1	Acetone	1200	CCV-E, ICV-E	ug/kg dry	610	1200	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP
107-02-8	Acrolein	ND		ug/kg dry	610	1200	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP
107-13-1	Acrylonitrile	ND		ug/kg dry	300	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP
71-43-2	Benzene	ND		ug/kg dry	300	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP
74-97-5	Bromochloromethane	ND		ug/kg dry	300	610	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP
75-27-4	Bromodichloromethane	ND		ug/kg dry	300	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP
75-25-2	Bromoform	ND		ug/kg dry	300	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP
74-83-9	Bromomethane	ND		ug/kg dry	300	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP
75-15-0	Carbon disulfide	ND		ug/kg dry	300	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP
56-23-5	Carbon tetrachloride	ND		ug/kg dry	300	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP
108-90-7	Chlorobenzene	ND		ug/kg dry	300	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP
75-00-3	Chloroethane	ND		ug/kg dry	300	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP
67-66-3	Chloroform	ND		ug/kg dry	300	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP
74-87-3	Chloromethane	ND		ug/kg dry	300	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	300	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	300	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP
110-82-7	Cyclohexane	3900		ug/kg dry	300	610	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP
124-48-1	Dibromochloromethane	ND		ug/kg dry	300	610	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP
74-95-3	Dibromomethane	ND		ug/kg dry	300	610	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	300	610	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP
100-41-4	Ethyl Benzene	1600		ug/kg dry	300	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP



Sample Information

Client Sample ID: 20_S

York Sample ID: 20I0305-69

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 4, 2020 4:15 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	300	610	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP
98-82-8	Isopropylbenzene	800		ug/kg dry	300	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP
79-20-9	Methyl acetate	ND		ug/kg dry	300	610	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	540	J	ug/kg dry	300	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP
108-87-2	Methylcyclohexane	2700		ug/kg dry	300	610	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP
75-09-2	Methylene chloride	ND		ug/kg dry	610	1200	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP
104-51-8	n-Butylbenzene	2600		ug/kg dry	300	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP
103-65-1	n-Propylbenzene	3100		ug/kg dry	300	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP
95-47-6	o-Xylene	2200		ug/kg dry	300	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP
179601-23-1	p- & m- Xylenes	7200		ug/kg dry	610	1200	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP
99-87-6	p-Isopropyltoluene	320	J	ug/kg dry	300	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP
135-98-8	sec-Butylbenzene	610	J	ug/kg dry	300	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP
100-42-5	Styrene	ND		ug/kg dry	300	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	300	610	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	300	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP
127-18-4	Tetrachloroethylene	ND		ug/kg dry	300	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP
108-88-3	Toluene	430	J	ug/kg dry	300	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	300	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	300	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP
79-01-6	Trichloroethylene	ND		ug/kg dry	300	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	300	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP
75-01-4	Vinyl Chloride	ND		ug/kg dry	300	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/11/2020 06:12	09/11/2020 22:44	TMP



Sample Information

Client Sample ID: 20_S

York Sample ID: 20I0305-69

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20I0305

140115301

Soil

September 4, 2020 4:15 pm

09/08/2020

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1330-20-7	Xylenes, Total	9400		ug/kg dry	910	1800	100	EPA 8260C	09/11/2020 06:12	09/11/2020 22:44	TMP
Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP											
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	81.6 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	97.0 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	89.5 %	76-130								

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
solids	* % Solids	76.4		%	0.100	1	SM 2540G	09/15/2020 15:23	09/15/2020 16:50	WL	
Certifications: CTDOH											



Analytical Batch Summary

Batch ID: 9/10/2020

Preparation Method: *** DEFAULT PREP ***

Prepared By:

YORK Sample ID	Client Sample ID	Preparation Date
20I0305-04	11 12_S	09/09/20
20I0305-10	13 14_S	09/09/20
20I0305-14	3 4_S	09/09/20
20I0305-24	23 24_S	09/09/20
20I0305-30	25 26_S	09/09/20
20I0305-36	15 16_S	09/09/20
20I0305-40	17 18_S	09/09/20
20I0305-45	19 20_S	09/09/20
20I0305-48	21 22_S	09/09/20
20I0305-54	5 6_S	09/09/20

Batch ID: 9/14/2020

Preparation Method: *** DEFAULT PREP ***

Prepared By:

YORK Sample ID	Client Sample ID	Preparation Date
20I0305-60	7 8_S	09/09/20
20I0305-65	9 10_S	09/09/20

Batch ID: BI00430

Preparation Method: EPA 7473 water

Prepared By: SY

YORK Sample ID	Client Sample ID	Preparation Date
20I0305-03	11 12_GW	09/09/20
20I0305-09	13 14_GW	09/09/20
20I0305-13	3 4_GW	09/09/20
20I0305-23	23 24_GW	09/09/20
20I0305-29	25 26_GW	09/09/20
20I0305-35	15 16_GW	09/09/20
20I0305-39	17 18_GW	09/09/20
20I0305-53	5 6_GW	09/09/20
20I0305-59	7 8_GW	09/09/20
BI00430-BLK1	Blank	09/09/20
BI00430-SRM1	Reference	09/09/20

Batch ID: BI00441

Preparation Method: EPA 3015A

Prepared By: SY

YORK Sample ID	Client Sample ID	Preparation Date
20I0305-03	11 12_GW	09/09/20
20I0305-09	13 14_GW	09/09/20
20I0305-09RE1	13 14_GW	09/09/20
20I0305-13	3 4_GW	09/09/20
20I0305-23	23 24_GW	09/09/20
20I0305-23RE1	23 24_GW	09/09/20
20I0305-29	25 26_GW	09/09/20
20I0305-29RE1	25 26_GW	09/09/20
20I0305-35	15 16_GW	09/09/20



20I0305-39	17 18_GW	09/09/20
20I0305-39RE1	17 18_GW	09/09/20
20I0305-53	5 6_GW	09/09/20
20I0305-53RE1	5 6_GW	09/09/20
20I0305-59	7 8_GW	09/09/20
BI00441-BLK1	Blank	09/09/20
BI00441-BS1	LCS	09/09/20

Batch ID: BI00442 **Preparation Method:** EPA 3015A **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
20I0305-03	11 12_GW	09/09/20
20I0305-09	13 14_GW	09/09/20
20I0305-09RE1	13 14_GW	09/09/20
20I0305-13	3 4_GW	09/09/20
20I0305-23	23 24_GW	09/09/20
20I0305-29	25 26_GW	09/09/20
20I0305-35	15 16_GW	09/09/20
20I0305-39	17 18_GW	09/09/20
20I0305-53	5 6_GW	09/09/20
20I0305-59	7 8_GW	09/09/20
BI00442-BLK1	Blank	09/09/20
BI00442-BS1	LCS	09/09/20

Batch ID: BI00454 **Preparation Method:** EPA 5035A **Prepared By:** TMP

YORK Sample ID	Client Sample ID	Preparation Date
20I0305-02	11_S	09/08/20
20I0305-06	12_S	09/08/20
20I0305-08	13_S	09/08/20
20I0305-12	3_S	09/08/20
20I0305-16	4_S	09/08/20
20I0305-18	14_S	09/08/20
20I0305-20	23_S	09/08/20
20I0305-22	24_S	09/08/20
BI00454-BLK1	Blank	09/09/20
BI00454-BLK2	Blank	09/09/20
BI00454-BLK3	Blank	09/09/20
BI00454-BS1	LCS	09/09/20
BI00454-BSD1	LCS Dup	09/09/20

Batch ID: BI00522 **Preparation Method:** EPA 3015A **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
20I0305-13	3 4_GW	09/10/20
20I0305-35	15 16_GW	09/10/20
BI00522-BLK1	Blank	09/10/20
BI00522-BS1	LCS	09/10/20



Batch ID: BI00523

Preparation Method: EPA 3015A

Prepared By: SY

YORK Sample ID	Client Sample ID	Preparation Date
20I0305-13	3 4_GW	09/10/20
20I0305-35	15 16_GW	09/10/20
BI00523-BLK1	Blank	09/10/20
BI00523-BS1	LCS	09/10/20

Batch ID: BI00530

Preparation Method: EPA 7473 water

Prepared By: SY

YORK Sample ID	Client Sample ID	Preparation Date
20I0305-13	3 4_GW	09/10/20
20I0305-35	15 16_GW	09/10/20
BI00530-BLK1	Blank	09/10/20
BI00530-SRM1	Reference	09/10/20

Batch ID: BI00601

Preparation Method: EPA 5035A

Prepared By: TMP

YORK Sample ID	Client Sample ID	Preparation Date
20I0305-28	26_S	09/09/20
20I0305-32	15_S	09/09/20
20I0305-42	18_S	09/09/20
20I0305-58	7_S	09/09/20
BI00601-BLK1	Blank	09/09/20
BI00601-BLK2	Blank	09/09/20
BI00601-BS1	LCS	09/09/20
BI00601-BSD1	LCS Dup	09/09/20

Batch ID: BI00604

Preparation Method: EPA 5030B

Prepared By: TMP

YORK Sample ID	Client Sample ID	Preparation Date
20I0305-19RE1	23_GW	09/10/20
20I0305-21	24_GW	09/10/20
BI00604-BLK1	Blank	09/10/20
BI00604-BS1	LCS	09/10/20
BI00604-BSD1	LCS Dup	09/10/20

Batch ID: BI00638

Preparation Method: EPA 5030B

Prepared By: TMP

YORK Sample ID	Client Sample ID	Preparation Date
20I0305-17	14_GW	09/11/20
20I0305-19	23_GW	09/11/20
20I0305-21RE1	24_GW	09/10/20
20I0305-37	17_GW	09/11/20
20I0305-41	18_GW	09/11/20
20I0305-43	19_GW	09/11/20
20I0305-46	21_GW	09/11/20
BI00638-BLK1	Blank	09/11/20
BI00638-BS1	LCS	09/11/20



BI00638-BSD1

LCS Dup

09/11/20

Batch ID: BI00641

Preparation Method: EPA 5035A

Prepared By: TMP

YORK Sample ID	Client Sample ID	Preparation Date
20I0305-26	25_S	09/11/20
20I0305-28RE1	26_S	09/11/20
20I0305-32RE1	15_S	09/11/20
20I0305-38	17_S	09/11/20
20I0305-42RE1	18_S	09/11/20
20I0305-44	19_S	09/11/20
20I0305-47	21_S	09/11/20
20I0305-50	22_S	09/11/20
20I0305-52	5_S	09/11/20
20I0305-56	6_S	09/11/20
20I0305-58RE1	7_S	09/11/20
20I0305-62	8_S	09/11/20
20I0305-64	9_S	09/11/20
20I0305-67	10_S	09/11/20
20I0305-69	20_S	09/11/20
BI00641-BLK1	Blank	09/11/20
BI00641-BLK2	Blank	09/11/20
BI00641-BS1	LCS	09/11/20
BI00641-BSD1	LCS Dup	09/11/20

Batch ID: BI00700

Preparation Method: EPA 5030B

Prepared By: AS

YORK Sample ID	Client Sample ID	Preparation Date
20I0305-01	11_GW	09/09/20
20I0305-05	12_GW	09/09/20
20I0305-07	13_GW	09/09/20
20I0305-07RE1	13_GW	09/09/20
20I0305-11	3_GW	09/09/20
20I0305-11RE1	3_GW	09/09/20
20I0305-15	4_GW	09/09/20
20I0305-15RE1	4_GW	09/09/20
20I0305-25	25_GW	09/09/20
20I0305-27	26_GW	09/09/20
20I0305-37RE1	17_GW	09/11/20
20I0305-41RE1	18_GW	09/11/20
20I0305-43RE1	19_GW	09/11/20
BI00700-BLK1	Blank	09/14/20
BI00700-BS1	LCS	09/14/20
BI00700-BSD1	LCS Dup	09/14/20

Batch ID: BI00756

Preparation Method: EPA 5035A

Prepared By: TMP

YORK Sample ID	Client Sample ID	Preparation Date
20I0305-38RE1	17_S	09/08/20
20I0305-47RE1	21_S	09/08/20



BI00756-BLK1	Blank	09/14/20
BI00756-BLK2	Blank	09/14/20
BI00756-BS1	LCS	09/14/20
BI00756-BSD1	LCS Dup	09/14/20

Batch ID: BI00759 **Preparation Method:** EPA 5030B **Prepared By:** AS

YORK Sample ID	Client Sample ID	Preparation Date
20I0305-25RE1	25_GW	09/15/20
20I0305-27RE1	26_GW	09/15/20
20I0305-31	15_GW	09/15/20
20I0305-33	16_GW	09/15/20
BI00759-BLK1	Blank	09/15/20
BI00759-BS1	LCS	09/15/20
BI00759-BSD1	LCS Dup	09/15/20

Batch ID: BI00760 **Preparation Method:** EPA 5030B **Prepared By:** TMP

YORK Sample ID	Client Sample ID	Preparation Date
20I0305-49	22_GW	09/11/20
20I0305-51	5_GW	09/11/20
20I0305-55	6_GW	09/11/20
20I0305-57	7_GW	09/11/20
20I0305-61	8_GW	09/11/20
20I0305-63	9_GW	09/11/20
20I0305-66	10_GW	09/11/20
20I0305-68	20_GW	09/11/20
BI00760-BLK1	Blank	09/11/20
BI00760-BS1	LCS	09/11/20
BI00760-BSD1	LCS Dup	09/11/20

Batch ID: BI00761 **Preparation Method:** EPA 5030B **Prepared By:** TMP

YORK Sample ID	Client Sample ID	Preparation Date
20I0305-46RE1	21_GW	09/11/20
20I0305-49RE1	22_GW	09/11/20
20I0305-55RE1	6_GW	09/11/20
20I0305-57RE1	7_GW	09/11/20
20I0305-61RE1	8_GW	09/11/20
20I0305-63RE1	9_GW	09/11/20
20I0305-66RE1	10_GW	09/11/20
20I0305-68RE1	20_GW	09/11/20
BI00761-BLK1	Blank	09/11/20
BI00761-BS1	LCS	09/11/20
BI00761-BSD1	LCS Dup	09/11/20

Batch ID: BI00789 **Preparation Method:** % Solids Prep **Prepared By:** WL

YORK Sample ID	Client Sample ID	Preparation Date
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20I0305-02	11_S	09/15/20
20I0305-06	12_S	09/15/20
20I0305-08	13_S	09/15/20
20I0305-12	3_S	09/15/20
20I0305-16	4_S	09/15/20
20I0305-18	14_S	09/15/20
20I0305-20	23_S	09/15/20
20I0305-22	24_S	09/15/20
20I0305-26	25_S	09/15/20
20I0305-28	26_S	09/15/20
20I0305-32	15_S	09/15/20
20I0305-34	16_S	09/15/20
20I0305-38	17_S	09/15/20
20I0305-42	18_S	09/15/20
20I0305-44	19_S	09/15/20
20I0305-47	21_S	09/15/20
20I0305-50	22_S	09/15/20
20I0305-52	5_S	09/15/20
20I0305-56	6_S	09/15/20
20I0305-58	7_S	09/15/20
BI00789-DUP1	Duplicate	09/15/20

Batch ID: BI00790 **Preparation Method:** % Solids Prep **Prepared By:** WL

YORK Sample ID	Client Sample ID	Preparation Date
20I0305-62	8_S	09/15/20
20I0305-64	9_S	09/15/20
20I0305-67	10_S	09/15/20
20I0305-69	20_S	09/15/20
BI00790-DUP1	Duplicate	09/15/20

Batch ID: BI00884 **Preparation Method:** EPA 5035A **Prepared By:** TMP

YORK Sample ID	Client Sample ID	Preparation Date
20I0305-34RE1	16_S	09/15/20
BI00884-BLK1	Blank	09/16/20
BI00884-BLK2	Blank	09/16/20
BI00884-BS1	LCS	09/16/20
BI00884-BSD1	LCS Dup	09/16/20

Batch ID: BI00886 **Preparation Method:** EPA 5035A **Prepared By:** TMP

YORK Sample ID	Client Sample ID	Preparation Date
20I0305-34	16_S	09/15/20
BI00886-BLK1	Blank	09/15/20
BI00886-BLK2	Blank	09/15/20
BI00886-BS1	LCS	09/15/20
BI00886-BSD1	LCS Dup	09/15/20



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI00454 - EPA 5035A

Blank (BI00454-BLK1)

Blank

Prepared & Analyzed: 09/09/2020

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



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI00454 - EPA 5035A

Blank (BI00454-BLK1)	Blank	Prepared & Analyzed: 09/09/2020									
n-Butylbenzene	ND	5.0	ug/kg wet								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butyl alcohol (TBA)	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
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Surrogate: SURRE: 1,2-Dichloroethane-d4	48.4		ug/L	50.0		96.9	77-125				
Surrogate: SURRE: Toluene-d8	51.0		"	50.0		102	85-120				
Surrogate: SURRE: p-Bromofluorobenzene	48.5		"	50.0		97.0	76-130				

Blank (BI00454-BLK2)	Blank	Prepared & Analyzed: 09/09/2020									
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2-Butanone	ND	5.0	"								
2-Hexanone	ND	5.0	"								
4-Methyl-2-pentanone	ND	5.0	"								
Acetone	ND	10	"								
Acrolein	ND	10	"								
Acrylonitrile	ND	5.0	"								
Benzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI00454 - EPA 5035A

Blank (BI00454-BLK2) Blank Prepared & Analyzed: 09/09/2020

Bromoform	ND	5.0	ug/kg wet								
Bromomethane	ND	5.0	"								
Carbon disulfide	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Cyclohexane	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl acetate	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylcyclohexane	ND	5.0	"								
Methylene chloride	ND	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butyl alcohol (TBA)	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								

Surrogate: SURRE: 1,2-Dichloroethane-d4	48.9	ug/L	50.0	97.8	77-125
Surrogate: SURRE: Toluene-d8	51.1	"	50.0	102	85-120
Surrogate: SURRE: p-Bromofluorobenzene	48.5	"	50.0	97.1	76-130



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI00454 - EPA 5035A

Blank (BI00454-BLK3)

MEOH HOLDING BLANK-20I03C

Prepared & Analyzed: 09/09/2020

1,1,1,2-Tetrachloroethane	ND	500	ug/kg wet								
1,1,1-Trichloroethane	ND	500	"								
1,1,2,2-Tetrachloroethane	ND	500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	500	"								
1,1,2-Trichloroethane	ND	500	"								
1,1-Dichloroethane	ND	500	"								
1,1-Dichloroethylene	ND	500	"								
1,2,3-Trichlorobenzene	ND	500	"								
1,2,3-Trichloropropane	ND	500	"								
1,2,4-Trichlorobenzene	ND	500	"								
1,2,4-Trimethylbenzene	ND	500	"								
1,2-Dibromo-3-chloropropane	ND	500	"								
1,2-Dibromoethane	ND	500	"								
1,2-Dichlorobenzene	ND	500	"								
1,2-Dichloroethane	ND	500	"								
1,2-Dichloropropane	ND	500	"								
1,3,5-Trimethylbenzene	ND	500	"								
1,3-Dichlorobenzene	ND	500	"								
1,4-Dichlorobenzene	ND	500	"								
1,4-Dioxane	ND	10000	"								
2-Butanone	ND	500	"								
2-Hexanone	ND	500	"								
4-Methyl-2-pentanone	ND	500	"								
Acetone	ND	1000	"								
Acrolein	ND	1000	"								
Acrylonitrile	ND	500	"								
Benzene	ND	500	"								
Bromochloromethane	ND	500	"								
Bromodichloromethane	ND	500	"								
Bromoform	ND	500	"								
Bromomethane	460	500	"								
Carbon disulfide	ND	500	"								
Carbon tetrachloride	ND	500	"								
Chlorobenzene	ND	500	"								
Chloroethane	ND	500	"								
Chloroform	ND	500	"								
Chloromethane	ND	500	"								
cis-1,2-Dichloroethylene	ND	500	"								
cis-1,3-Dichloropropylene	ND	500	"								
Cyclohexane	ND	500	"								
Dibromochloromethane	ND	500	"								
Dibromomethane	ND	500	"								
Dichlorodifluoromethane	ND	500	"								
Ethyl Benzene	ND	500	"								
Hexachlorobutadiene	ND	500	"								
Isopropylbenzene	ND	500	"								
Methyl acetate	ND	500	"								
Methyl tert-butyl ether (MTBE)	ND	500	"								
Methylcyclohexane	ND	500	"								
Methylene chloride	ND	1000	"								
n-Butylbenzene	ND	500	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI00454 - EPA 5035A

Blank (BI00454-BLK3) MEOH HOLDING BLANK-20I03C Prepared & Analyzed: 09/09/2020

n-Propylbenzene	ND	500	ug/kg wet								
o-Xylene	ND	500	"								
p- & m- Xylenes	ND	1000	"								
p-Isopropyltoluene	ND	500	"								
sec-Butylbenzene	ND	500	"								
Styrene	ND	500	"								
tert-Butyl alcohol (TBA)	ND	500	"								
tert-Butylbenzene	ND	500	"								
Tetrachloroethylene	ND	500	"								
Toluene	ND	500	"								
trans-1,2-Dichloroethylene	ND	500	"								
trans-1,3-Dichloropropylene	ND	500	"								
Trichloroethylene	ND	500	"								
Trichlorofluoromethane	ND	500	"								
Vinyl Chloride	ND	500	"								
Xylenes, Total	ND	1500	"								

Surrogate: SURRE: 1,2-Dichloroethane-d4	47.6		ug/L	50.0		95.2	77-125				
Surrogate: SURRE: Toluene-d8	50.7		"	50.0		101	85-120				
Surrogate: SURRE: p-Bromofluorobenzene	48.6		"	50.0		97.2	76-130				

LCS (BI00454-BS1) LCS Prepared & Analyzed: 09/09/2020

1,1,1,2-Tetrachloroethane	51		ug/L	50.0		102	75-129				
1,1,1-Trichloroethane	50		"	50.0		100	71-137				
1,1,2,2-Tetrachloroethane	53		"	50.0		106	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	54		"	50.0		108	58-146				
1,1,2-Trichloroethane	52		"	50.0		103	83-123				
1,1-Dichloroethane	51		"	50.0		101	75-130				
1,1-Dichloroethylene	54		"	50.0		107	64-137				
1,2,3-Trichlorobenzene	51		"	50.0		102	81-140				
1,2,3-Trichloropropane	51		"	50.0		102	81-126				
1,2,4-Trichlorobenzene	53		"	50.0		106	80-141				
1,2,4-Trimethylbenzene	54		"	50.0		109	84-125				
1,2-Dibromo-3-chloropropane	48		"	50.0		95.4	74-142				
1,2-Dibromoethane	50		"	50.0		100	86-123				
1,2-Dichlorobenzene	52		"	50.0		103	85-122				
1,2-Dichloroethane	47		"	50.0		93.8	71-133				
1,2-Dichloropropane	52		"	50.0		104	81-122				
1,3,5-Trimethylbenzene	54		"	50.0		108	82-126				
1,3-Dichlorobenzene	52		"	50.0		103	84-124				
1,4-Dichlorobenzene	52		"	50.0		104	84-124				
1,4-Dioxane	1200		"	1050		112	10-228				
2-Butanone	55		"	50.0		111	58-147				
2-Hexanone	54		"	50.0		109	70-139				
4-Methyl-2-pentanone	55		"	50.0		110	72-132				
Acetone	43		"	50.0		85.3	36-155				
Acrolein	33		"	50.0		65.6	10-238				
Acrylonitrile	50		"	50.0		99.9	66-141				
Benzene	53		"	50.0		107	77-127				
Bromochloromethane	50		"	50.0		100	74-129				
Bromodichloromethane	51		"	50.0		102	81-124				
Bromoform	49		"	50.0		98.0	80-136				



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

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	RPD	Limit	Flag
		Limit			Result					Limit			
Batch BI00454 - EPA 5035A													
LCS (BI00454-BS1)	LCS	Prepared & Analyzed: 09/09/2020											
Bromomethane	62		ug/L	50.0		124	32-177						
Carbon disulfide	55		"	50.0		109	10-136						
Carbon tetrachloride	49		"	50.0		98.0	66-143						
Chlorobenzene	52		"	50.0		105	86-120						
Chloroethane	78		"	50.0		156	51-142	High Bias					
Chloroform	51		"	50.0		102	76-131						
Chloromethane	66		"	50.0		131	49-132						
cis-1,2-Dichloroethylene	51		"	50.0		103	74-132						
cis-1,3-Dichloropropylene	51		"	50.0		102	81-129						
Cyclohexane	52		"	50.0		105	70-130						
Dibromochloromethane	51		"	50.0		101	10-200						
Dibromomethane	49		"	50.0		97.3	83-124						
Dichlorodifluoromethane	66		"	50.0		132	28-158						
Ethyl Benzene	55		"	50.0		109	84-125						
Hexachlorobutadiene	54		"	50.0		107	83-133						
Isopropylbenzene	53		"	50.0		105	81-127						
Methyl acetate	47		"	50.0		93.4	41-143						
Methyl tert-butyl ether (MTBE)	51		"	50.0		102	74-131						
Methylcyclohexane	55		"	50.0		110	70-130						
Methylene chloride	51		"	50.0		103	57-141						
n-Butylbenzene	56		"	50.0		112	80-130						
n-Propylbenzene	53		"	50.0		107	74-136						
o-Xylene	53		"	50.0		107	83-123						
p- & m- Xylenes	110		"	100		109	82-128						
p-Isopropyltoluene	55		"	50.0		109	85-125						
sec-Butylbenzene	57		"	50.0		114	83-125						
Styrene	55		"	50.0		111	86-126						
tert-Butyl alcohol (TBA)	220		"	250		86.6	70-130						
tert-Butylbenzene	48		"	50.0		95.1	80-127						
Tetrachloroethylene	47		"	50.0		93.3	80-129						
Toluene	54		"	50.0		109	85-121						
trans-1,2-Dichloroethylene	53		"	50.0		107	72-132						
trans-1,3-Dichloropropylene	48		"	50.0		96.6	78-132						
Trichloroethylene	54		"	50.0		109	84-123						
Trichlorofluoromethane	59		"	50.0		118	62-140						
Vinyl Chloride	68		"	50.0		135	52-130	High Bias					
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>46.4</i>		<i>"</i>	<i>50.0</i>		<i>92.7</i>	<i>77-125</i>						
<i>Surrogate: SURR: Toluene-d8</i>	<i>51.3</i>		<i>"</i>	<i>50.0</i>		<i>103</i>	<i>85-120</i>						
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>48.7</i>		<i>"</i>	<i>50.0</i>		<i>97.3</i>	<i>76-130</i>						



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting		Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD		
		Limit	Units						RPD	Limit	Flag
Batch BI00454 - EPA 5035A											
LCS Dup (BI00454-BS1)	LCS Dup										Prepared & Analyzed: 09/09/2020
1,1,1,2-Tetrachloroethane	52		ug/L	50.0		103	75-129		1.62	30	
1,1,1-Trichloroethane	52		"	50.0		105	71-137		4.80	30	
1,1,2,2-Tetrachloroethane	55		"	50.0		110	79-129		4.10	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	55		"	50.0		111	58-146		2.18	30	
1,1,2-Trichloroethane	54		"	50.0		108	83-123		4.51	30	
1,1-Dichloroethane	52		"	50.0		104	75-130		2.28	30	
1,1-Dichloroethylene	55		"	50.0		110	64-137		2.25	30	
1,2,3-Trichlorobenzene	53		"	50.0		107	81-140		4.14	30	
1,2,3-Trichloropropane	54		"	50.0		108	81-126		6.05	30	
1,2,4-Trichlorobenzene	55		"	50.0		110	80-141		3.81	30	
1,2,4-Trimethylbenzene	55		"	50.0		110	84-125		1.53	30	
1,2-Dibromo-3-chloropropane	54		"	50.0		107	74-142		11.5	30	
1,2-Dibromoethane	53		"	50.0		107	86-123		5.99	30	
1,2-Dichlorobenzene	54		"	50.0		107	85-122		3.72	30	
1,2-Dichloroethane	49		"	50.0		97.6	71-133		4.01	30	
1,2-Dichloropropane	53		"	50.0		107	81-122		2.99	30	
1,3,5-Trimethylbenzene	55		"	50.0		110	82-126		1.56	30	
1,3-Dichlorobenzene	53		"	50.0		106	84-124		2.41	30	
1,4-Dichlorobenzene	53		"	50.0		107	84-124		2.51	30	
1,4-Dioxane	1300		"	1050		125	10-228		11.1	30	
2-Butanone	62		"	50.0		124	58-147		11.2	30	
2-Hexanone	61		"	50.0		123	70-139		11.9	30	
4-Methyl-2-pentanone	60		"	50.0		120	72-132		8.23	30	
Acetone	47		"	50.0		93.6	36-155		9.30	30	
Acrolein	38		"	50.0		75.3	10-238		13.7	30	
Acrylonitrile	56		"	50.0		112	66-141		11.3	30	
Benzene	55		"	50.0		110	77-127		2.79	30	
Bromochloromethane	51		"	50.0		103	74-129		2.35	30	
Bromodichloromethane	53		"	50.0		105	81-124		2.99	30	
Bromoform	53		"	50.0		106	80-136		7.96	30	
Bromomethane	64		"	50.0		128	32-177		3.22	30	
Carbon disulfide	56		"	50.0		112	10-136		2.74	30	
Carbon tetrachloride	51		"	50.0		101	66-143		3.25	30	
Chlorobenzene	54		"	50.0		108	86-120		2.89	30	
Chloroethane	81		"	50.0		161	51-142	High Bias	3.07	30	
Chloroform	53		"	50.0		106	76-131		3.14	30	
Chloromethane	64		"	50.0		128	49-132		2.21	30	
cis-1,2-Dichloroethylene	53		"	50.0		106	74-132		2.76	30	
cis-1,3-Dichloropropylene	53		"	50.0		107	81-129		4.02	30	
Cyclohexane	54		"	50.0		108	70-130		2.56	30	
Dibromochloromethane	53		"	50.0		106	10-200		4.23	30	
Dibromomethane	50		"	50.0		101	83-124		3.29	30	
Dichlorodifluoromethane	66		"	50.0		132	28-158		0.0605	30	
Ethyl Benzene	55		"	50.0		111	84-125		1.38	30	
Hexachlorobutadiene	53		"	50.0		106	83-133		1.62	30	
Isopropylbenzene	54		"	50.0		108	81-127		2.34	30	
Methyl acetate	52		"	50.0		103	41-143		10.1	30	
Methyl tert-butyl ether (MTBE)	54		"	50.0		108	74-131		5.09	30	
Methylcyclohexane	56		"	50.0		111	70-130		0.941	30	
Methylene chloride	53		"	50.0		107	57-141		3.76	30	
n-Butylbenzene	55		"	50.0		110	80-130		1.41	30	



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

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	
		Limit			Result					RPD	Limit
Batch BI00454 - EPA 5035A											
LCS Dup (BI00454-BSD1)	LCS Dup	Prepared & Analyzed: 09/09/2020									
n-Propylbenzene	54		ug/L	50.0		108	74-136			1.08	30
o-Xylene	55		"	50.0		109	83-123			2.39	30
p- & m- Xylenes	110		"	100		111	82-128			1.94	30
p-Isopropyltoluene	55		"	50.0		110	85-125			0.511	30
sec-Butylbenzene	57		"	50.0		114	83-125			0.526	30
Styrene	58		"	50.0		115	86-126			3.93	30
tert-Butyl alcohol (TBA)	260		"	250		103	70-130			17.4	30
tert-Butylbenzene	48		"	50.0		95.4	80-127			0.252	30
Tetrachloroethylene	48		"	50.0		95.7	80-129			2.60	30
Toluene	56		"	50.0		111	85-121			2.36	30
trans-1,2-Dichloroethylene	55		"	50.0		110	72-132			2.82	30
trans-1,3-Dichloropropylene	50		"	50.0		100	78-132			3.92	30
Trichloroethylene	55		"	50.0		110	84-123			0.805	30
Trichlorofluoromethane	62		"	50.0		123	62-140			3.99	30
Vinyl Chloride	68		"	50.0		136	52-130	High Bias		0.826	30
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>46.8</i>		<i>"</i>	<i>50.0</i>		<i>93.6</i>	<i>77-125</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>51.1</i>		<i>"</i>	<i>50.0</i>		<i>102</i>	<i>85-120</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>48.5</i>		<i>"</i>	<i>50.0</i>		<i>97.1</i>	<i>76-130</i>				

Batch BI00601 - EPA 5035A

Blank (BI00601-BLK1)	Blank	Prepared: 09/09/2020 Analyzed: 09/10/2020									
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2-Butanone	ND	5.0	"								
2-Hexanone	ND	5.0	"								
4-Methyl-2-pentanone	ND	5.0	"								
Acetone	ND	10	"								
Acrolein	ND	10	"								
Acrylonitrile	ND	5.0	"								
Benzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BI00601 - EPA 5035A

Blank (BI00601-BLK1) Blank Prepared: 09/09/2020 Analyzed: 09/10/2020

Bromoform	ND	5.0	ug/kg wet								
Bromomethane	ND	5.0	"								
Carbon disulfide	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Cyclohexane	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl acetate	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylcyclohexane	ND	5.0	"								
Methylene chloride	ND	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butyl alcohol (TBA)	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								

Surrogate: SURRE: 1,2-Dichloroethane-d4	41.7	ug/L	50.0	83.3	77-125
Surrogate: SURRE: Toluene-d8	51.7	"	50.0	103	85-120
Surrogate: SURRE: p-Bromofluorobenzene	52.0	"	50.0	104	76-130



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BI00601 - EPA 5035A

Blank (BI00601-BLK2) HOLDING BLANK-20I0305

Prepared: 09/09/2020 Analyzed: 09/10/2020

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



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

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

Batch BI00601 - EPA 5035A

Blank (BI00601-BLK2) HOLDING BLANK-20I0305 Prepared: 09/09/2020 Analyzed: 09/10/2020

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

<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>41.1</i>		<i>ug/L</i>	<i>50.0</i>	<i>82.3</i>	<i>77-125</i>					
<i>Surrogate: SURR: Toluene-d8</i>	<i>51.4</i>		<i>"</i>	<i>50.0</i>	<i>103</i>	<i>85-120</i>					
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>51.5</i>		<i>"</i>	<i>50.0</i>	<i>103</i>	<i>76-130</i>					

LCS (BI00601-BS1) LCS Prepared & Analyzed: 09/09/2020

1,1,1,2-Tetrachloroethane	36		ug/L	50.0	71.6	75-129	Low Bias				
1,1,1-Trichloroethane	42		"	50.0	84.3	71-137					
1,1,2,2-Tetrachloroethane	49		"	50.0	98.8	79-129					
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	53		"	50.0	106	58-146					
1,1,2-Trichloroethane	47		"	50.0	95.0	83-123					
1,1-Dichloroethane	46		"	50.0	92.9	75-130					
1,1-Dichloroethylene	50		"	50.0	99.8	64-137					
1,2,3-Trichlorobenzene	46		"	50.0	91.0	81-140					
1,2,3-Trichloropropane	45		"	50.0	89.1	81-126					
1,2,4-Trichlorobenzene	43		"	50.0	86.9	80-141					
1,2,4-Trimethylbenzene	42		"	50.0	84.2	84-125					
1,2-Dibromo-3-chloropropane	42		"	50.0	84.2	74-142					
1,2-Dibromoethane	46		"	50.0	92.0	86-123					
1,2-Dichlorobenzene	47		"	50.0	94.8	85-122					
1,2-Dichloroethane	41		"	50.0	81.7	71-133					
1,2-Dichloropropane	46		"	50.0	92.3	81-122					
1,3,5-Trimethylbenzene	43		"	50.0	86.9	82-126					
1,3-Dichlorobenzene	46		"	50.0	91.6	84-124					
1,4-Dichlorobenzene	45		"	50.0	89.6	84-124					
1,4-Dioxane	1400		"	1050	133	10-228					
2-Butanone	54		"	50.0	108	58-147					
2-Hexanone	48		"	50.0	95.5	70-139					
4-Methyl-2-pentanone	48		"	50.0	96.7	72-132					
Acetone	35		"	50.0	70.8	36-155					
Acrolein	48		"	50.0	95.1	10-238					
Acrylonitrile	56		"	50.0	112	66-141					
Benzene	53		"	50.0	106	77-127					
Bromochloromethane	46		"	50.0	92.0	74-129					
Bromodichloromethane	41		"	50.0	82.2	81-124					
Bromoform	32		"	50.0	63.6	80-136	Low Bias				



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

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	RPD	Limit	Flag
		Limit			Result					Limit			
Batch BI00601 - EPA 5035A													
LCS (BI00601-BS1)	LCS												Prepared & Analyzed: 09/09/2020
Bromomethane	47		ug/L	50.0		94.9		32-177					
Carbon disulfide	57		"	50.0		114		10-136					
Carbon tetrachloride	42		"	50.0		84.4		66-143					
Chlorobenzene	48		"	50.0		96.0		86-120					
Chloroethane	52		"	50.0		104		51-142					
Chloroform	44		"	50.0		87.2		76-131					
Chloromethane	74		"	50.0		148		49-132	High Bias				
cis-1,2-Dichloroethylene	46		"	50.0		92.2		74-132					
cis-1,3-Dichloropropylene	45		"	50.0		89.5		81-129					
Cyclohexane	53		"	50.0		107		70-130					
Dibromochloromethane	42		"	50.0		84.7		10-200					
Dibromomethane	44		"	50.0		88.8		83-124					
Dichlorodifluoromethane	76		"	50.0		151		28-158					
Ethyl Benzene	46		"	50.0		92.9		84-125					
Hexachlorobutadiene	41		"	50.0		82.3		83-133	Low Bias				
Isopropylbenzene	43		"	50.0		85.1		81-127					
Methyl acetate	48		"	50.0		95.4		41-143					
Methyl tert-butyl ether (MTBE)	48		"	50.0		95.9		74-131					
Methylcyclohexane	51		"	50.0		102		70-130					
Methylene chloride	50		"	50.0		99.7		57-141					
n-Butylbenzene	43		"	50.0		85.6		80-130					
n-Propylbenzene	44		"	50.0		87.2		74-136					
o-Xylene	44		"	50.0		88.9		83-123					
p- & m- Xylenes	93		"	100		93.3		82-128					
p-Isopropyltoluene	45		"	50.0		89.7		85-125					
sec-Butylbenzene	47		"	50.0		94.9		83-125					
Styrene	49		"	50.0		97.5		86-126					
tert-Butyl alcohol (TBA)	260		"	250		105		70-130					
tert-Butylbenzene	43		"	50.0		86.5		80-127					
Tetrachloroethylene	43		"	50.0		86.1		80-129					
Toluene	48		"	50.0		95.6		85-121					
trans-1,2-Dichloroethylene	50		"	50.0		99.9		72-132					
trans-1,3-Dichloropropylene	42		"	50.0		83.9		78-132					
Trichloroethylene	46		"	50.0		91.7		84-123					
Trichlorofluoromethane	45		"	50.0		89.0		62-140					
Vinyl Chloride	75		"	50.0		149		52-130	High Bias				
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>41.8</i>		<i>"</i>	<i>50.0</i>		<i>83.7</i>		<i>77-125</i>					
<i>Surrogate: SURR: Toluene-d8</i>	<i>49.9</i>		<i>"</i>	<i>50.0</i>		<i>99.8</i>		<i>85-120</i>					
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>45.5</i>		<i>"</i>	<i>50.0</i>		<i>90.9</i>		<i>76-130</i>					



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00601 - EPA 5035A											
LCS Dup (BI00601-BSD1)	LCS Dup	Prepared & Analyzed: 09/09/2020									
1,1,1,2-Tetrachloroethane	36		ug/L	50.0		72.7	75-129	Low Bias	1.50	30	
1,1,1-Trichloroethane	43		"	50.0		86.1	71-137		2.14	30	
1,1,2,2-Tetrachloroethane	50		"	50.0		101	79-129		2.04	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	57		"	50.0		115	58-146		8.20	30	
1,1,2-Trichloroethane	49		"	50.0		98.3	83-123		3.39	30	
1,1-Dichloroethane	48		"	50.0		95.2	75-130		2.45	30	
1,1-Dichloroethylene	53		"	50.0		107	64-137		6.53	30	
1,2,3-Trichlorobenzene	45		"	50.0		89.9	81-140		1.26	30	
1,2,3-Trichloropropane	46		"	50.0		92.2	81-126		3.42	30	
1,2,4-Trichlorobenzene	42		"	50.0		83.3	80-141		4.23	30	
1,2,4-Trimethylbenzene	42		"	50.0		84.6	84-125		0.474	30	
1,2-Dibromo-3-chloropropane	43		"	50.0		86.7	74-142		2.93	30	
1,2-Dibromoethane	47		"	50.0		93.5	86-123		1.62	30	
1,2-Dichlorobenzene	47		"	50.0		93.6	85-122		1.23	30	
1,2-Dichloroethane	42		"	50.0		83.4	71-133		2.08	30	
1,2-Dichloropropane	48		"	50.0		96.0	81-122		3.91	30	
1,3,5-Trimethylbenzene	44		"	50.0		87.6	82-126		0.871	30	
1,3-Dichlorobenzene	45		"	50.0		90.9	84-124		0.789	30	
1,4-Dichlorobenzene	44		"	50.0		87.2	84-124		2.81	30	
1,4-Dioxane	1200		"	1050		117	10-228		12.5	30	
2-Butanone	59		"	50.0		118	58-147		9.21	30	
2-Hexanone	49		"	50.0		98.1	70-139		2.71	30	
4-Methyl-2-pentanone	51		"	50.0		102	72-132		5.12	30	
Acetone	37		"	50.0		73.1	36-155		3.28	30	
Acrolein	48		"	50.0		95.8	10-238		0.754	30	
Acrylonitrile	58		"	50.0		116	66-141		3.92	30	
Benzene	54		"	50.0		108	77-127		1.75	30	
Bromochloromethane	48		"	50.0		96.0	74-129		4.28	30	
Bromodichloromethane	43		"	50.0		85.4	81-124		3.82	30	
Bromoform	32		"	50.0		64.6	80-136	Low Bias	1.56	30	
Bromomethane	52		"	50.0		105	32-177		9.63	30	
Carbon disulfide	60		"	50.0		120	10-136		4.99	30	
Carbon tetrachloride	43		"	50.0		86.4	66-143		2.34	30	
Chlorobenzene	49		"	50.0		97.0	86-120		1.08	30	
Chloroethane	54		"	50.0		109	51-142		4.46	30	
Chloroform	45		"	50.0		89.6	76-131		2.67	30	
Chloromethane	79		"	50.0		158	49-132	High Bias	6.41	30	
cis-1,2-Dichloroethylene	47		"	50.0		94.4	74-132		2.42	30	
cis-1,3-Dichloropropylene	46		"	50.0		92.2	81-129		2.99	30	
Cyclohexane	55		"	50.0		109	70-130		2.54	30	
Dibromochloromethane	44		"	50.0		89.0	10-200		4.95	30	
Dibromomethane	46		"	50.0		92.0	83-124		3.54	30	
Dichlorodifluoromethane	80		"	50.0		159	28-158	High Bias	4.98	30	
Ethyl Benzene	48		"	50.0		95.5	84-125		2.76	30	
Hexachlorobutadiene	40		"	50.0		80.5	83-133	Low Bias	2.24	30	
Isopropylbenzene	44		"	50.0		87.4	81-127		2.62	30	
Methyl acetate	49		"	50.0		98.0	41-143		2.69	30	
Methyl tert-butyl ether (MTBE)	49		"	50.0		97.8	74-131		1.92	30	
Methylcyclohexane	53		"	50.0		106	70-130		3.92	30	
Methylene chloride	51		"	50.0		102	57-141		2.61	30	
n-Butylbenzene	44		"	50.0		87.6	80-130		2.29	30	



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

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	RPD	Limit	Flag
		Limit			Result					Limit			
Batch BI00601 - EPA 5035A													
LCS Dup (BI00601-bsd1)	LCS Dup	Prepared & Analyzed: 09/09/2020											
n-Propylbenzene	45		ug/L	50.0		89.7	74-136				2.83	30	
o-Xylene	45		"	50.0		90.3	83-123				1.50	30	
p- & m- Xylenes	96		"	100		96.3	82-128				3.20	30	
p-Isopropyltoluene	46		"	50.0		91.2	85-125				1.66	30	
sec-Butylbenzene	49		"	50.0		97.4	83-125				2.66	30	
Styrene	49		"	50.0		98.7	86-126				1.24	30	
tert-Butyl alcohol (TBA)	270		"	250		107	70-130				2.47	30	
tert-Butylbenzene	44		"	50.0		87.8	80-127				1.49	30	
Tetrachloroethylene	43		"	50.0		85.7	80-129				0.466	30	
Toluene	49		"	50.0		98.8	85-121				3.27	30	
trans-1,2-Dichloroethylene	51		"	50.0		103	72-132				3.00	30	
trans-1,3-Dichloropropylene	44		"	50.0		87.6	78-132				4.34	30	
Trichloroethylene	48		"	50.0		96.0	84-123				4.60	30	
Trichlorofluoromethane	46		"	50.0		92.3	62-140				3.62	30	
Vinyl Chloride	80		"	50.0		161	52-130	High Bias			7.42	30	
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>42.4</i>		<i>"</i>	<i>50.0</i>		<i>84.7</i>	<i>77-125</i>						
<i>Surrogate: SURR: Toluene-d8</i>	<i>50.6</i>		<i>"</i>	<i>50.0</i>		<i>101</i>	<i>85-120</i>						
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>45.7</i>		<i>"</i>	<i>50.0</i>		<i>91.4</i>	<i>76-130</i>						

Batch BI00604 - EPA 5030B

Blank (BI00604-BLK1)	Blank	Prepared & Analyzed: 09/10/2020											
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L										
1,1,1-Trichloroethane	ND	0.50	"										
1,1,2,2-Tetrachloroethane	ND	0.50	"										
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"										
1,1,2-Trichloroethane	ND	0.50	"										
1,1-Dichloroethane	ND	0.50	"										
1,1-Dichloroethylene	ND	0.50	"										
1,2,3-Trichlorobenzene	ND	0.50	"										
1,2,3-Trichloropropane	ND	0.50	"										
1,2,4-Trichlorobenzene	ND	0.50	"										
1,2,4-Trimethylbenzene	ND	0.50	"										
1,2-Dibromo-3-chloropropane	ND	0.50	"										
1,2-Dibromoethane	ND	0.50	"										
1,2-Dichlorobenzene	ND	0.50	"										
1,2-Dichloroethane	ND	0.50	"										
1,2-Dichloropropane	ND	0.50	"										
1,3,5-Trimethylbenzene	ND	0.50	"										
1,3-Dichlorobenzene	ND	0.50	"										
1,4-Dichlorobenzene	ND	0.50	"										
1,4-Dioxane	ND	80	"										
2-Butanone	ND	0.50	"										
2-Hexanone	ND	0.50	"										
4-Methyl-2-pentanone	ND	0.50	"										
Acetone	ND	2.0	"										
Acrolein	ND	0.50	"										
Acrylonitrile	ND	0.50	"										
Benzene	ND	0.50	"										
Bromochloromethane	ND	0.50	"										
Bromodichloromethane	ND	0.50	"										



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

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

Batch BI00604 - EPA 5030B

Blank (BI00604-BLK1) Blank Prepared & Analyzed: 09/10/2020

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

<i>Surrogate: Surr: 1,2-Dichloroethane-d4</i>	10.9	"	10.0	109	69-130
<i>Surrogate: Surr: Toluene-d8</i>	10.1	"	10.0	101	81-117
<i>Surrogate: Surr: p-Bromofluorobenzene</i>	9.69	"	10.0	96.9	79-122



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI00604 - EPA 5030B

LCS (BI00604-BS1)	LCS										
Prepared & Analyzed: 09/10/2020											
1,1,1,2-Tetrachloroethane	9.3		ug/L	10.0		93.4	82-126				
1,1,1-Trichloroethane	9.6		"	10.0		95.8	78-136				
1,1,2,2-Tetrachloroethane	9.0		"	10.0		89.5	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.9		"	10.0		98.6	54-165				
1,1,2-Trichloroethane	8.8		"	10.0		88.3	82-123				
1,1-Dichloroethane	8.8		"	10.0		87.8	82-129				
1,1-Dichloroethylene	9.6		"	10.0		95.9	68-138				
1,2,3-Trichlorobenzene	8.5		"	10.0		85.1	76-136				
1,2,3-Trichloropropane	10		"	10.0		102	77-128				
1,2,4-Trichlorobenzene	9.3		"	10.0		93.3	76-137				
1,2,4-Trimethylbenzene	11		"	10.0		106	82-132				
1,2-Dibromo-3-chloropropane	8.9		"	10.0		88.9	45-147				
1,2-Dibromoethane	8.9		"	10.0		88.6	83-124				
1,2-Dichlorobenzene	10		"	10.0		100	79-123				
1,2-Dichloroethane	8.8		"	10.0		87.5	73-132				
1,2-Dichloropropane	8.8		"	10.0		88.0	78-126				
1,3,5-Trimethylbenzene	11		"	10.0		107	80-131				
1,3-Dichlorobenzene	10		"	10.0		100	86-122				
1,4-Dichlorobenzene	10		"	10.0		102	85-124				
1,4-Dioxane	210		"	210		101	10-349				
2-Butanone	7.8		"	10.0		77.8	49-152				
2-Hexanone	7.9		"	10.0		78.9	51-146				
4-Methyl-2-pentanone	7.2		"	10.0		72.4	57-145				
Acetone	8.4		"	10.0		84.0	14-150				
Acrolein	5.3		"	10.0		53.0	10-153				
Acrylonitrile	7.2		"	10.0		72.3	51-150				
Benzene	9.2		"	10.0		91.7	85-126				
Bromochloromethane	7.9		"	10.0		78.6	77-128				
Bromodichloromethane	9.2		"	10.0		92.2	79-128				
Bromoform	7.9		"	10.0		79.3	78-133				
Bromomethane	4.8		"	10.0		48.5	43-168				
Carbon disulfide	9.7		"	10.0		96.6	68-146				
Carbon tetrachloride	9.6		"	10.0		95.6	77-141				
Chlorobenzene	9.6		"	10.0		95.9	88-120				
Chloroethane	11		"	10.0		114	65-136				
Chloroform	9.0		"	10.0		89.7	82-128				
Chloromethane	8.6		"	10.0		85.8	43-155				
cis-1,2-Dichloroethylene	9.1		"	10.0		91.3	83-129				
cis-1,3-Dichloropropylene	9.1		"	10.0		91.2	80-131				
Cyclohexane	9.6		"	10.0		95.8	63-149				
Dibromochloromethane	9.1		"	10.0		90.7	80-130				
Dibromomethane	8.6		"	10.0		85.7	72-134				
Dichlorodifluoromethane	12		"	10.0		118	44-144				
Ethyl Benzene	10		"	10.0		99.9	80-131				
Hexachlorobutadiene	9.7		"	10.0		97.1	67-146				
Isopropylbenzene	10		"	10.0		103	76-140				
Methyl acetate	7.9		"	10.0		79.1	51-139				
Methyl tert-butyl ether (MTBE)	8.2		"	10.0		81.6	76-135				
Methylcyclohexane	10		"	10.0		101	72-143				
Methylene chloride	8.1		"	10.0		81.1	55-137				
n-Butylbenzene	10		"	10.0		104	79-132				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00604 - EPA 5030B											
LCS (BI00604-BS1)	LCS										Prepared & Analyzed: 09/10/2020
n-Propylbenzene	11		ug/L	10.0		106	78-133				
o-Xylene	9.7		"	10.0		97.2	78-130				
p- & m- Xylenes	20		"	20.0		102	77-133				
p-Isopropyltoluene	11		"	10.0		105	81-136				
sec-Butylbenzene	11		"	10.0		110	79-137				
Styrene	9.9		"	10.0		99.3	67-132				
tert-Butyl alcohol (TBA)	31		"	50.0		62.7	25-162				
tert-Butylbenzene	9.4		"	10.0		93.6	77-138				
Tetrachloroethylene	10		"	10.0		101	82-131				
Toluene	9.8		"	10.0		97.5	80-127				
trans-1,2-Dichloroethylene	9.4		"	10.0		94.2	80-132				
trans-1,3-Dichloropropylene	8.9		"	10.0		88.6	78-131				
Trichloroethylene	10		"	10.0		100	82-128				
Trichlorofluoromethane	10		"	10.0		102	67-139				
Vinyl Chloride	9.8		"	10.0		97.6	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	9.44		"	10.0		94.4	69-130				
Surrogate: SURR: Toluene-d8	10.4		"	10.0		104	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.2		"	10.0		102	79-122				
LCS Dup (BI00604-BSD1)	LCS Dup										Prepared & Analyzed: 09/10/2020
1,1,1,2-Tetrachloroethane	9.2		ug/L	10.0		91.9	82-126		1.62	30	
1,1,1-Trichloroethane	8.7		"	10.0		87.0	78-136		9.63	30	
1,1,2,2-Tetrachloroethane	9.7		"	10.0		97.0	76-129		8.04	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.8		"	10.0		88.4	54-165		10.9	30	
1,1,2-Trichloroethane	9.1		"	10.0		90.7	82-123		2.68	30	
1,1-Dichloroethane	8.0		"	10.0		80.4	82-129	Low Bias	8.80	30	
1,1-Dichloroethylene	8.5		"	10.0		84.8	68-138		12.3	30	
1,2,3-Trichlorobenzene	8.4		"	10.0		84.4	76-136		0.826	30	
1,2,3-Trichloropropane	10		"	10.0		101	77-128		0.0986	30	
1,2,4-Trichlorobenzene	8.8		"	10.0		88.4	76-137		5.39	30	
1,2,4-Trimethylbenzene	9.5		"	10.0		94.6	82-132		11.7	30	
1,2-Dibromo-3-chloropropane	8.9		"	10.0		89.1	45-147		0.225	30	
1,2-Dibromoethane	9.3		"	10.0		93.0	83-124		4.85	30	
1,2-Dichlorobenzene	9.4		"	10.0		94.4	79-123		5.96	30	
1,2-Dichloroethane	9.0		"	10.0		89.9	73-132		2.71	30	
1,2-Dichloropropane	8.6		"	10.0		85.5	78-126		2.88	30	
1,3,5-Trimethylbenzene	9.3		"	10.0		93.4	80-131		13.3	30	
1,3-Dichlorobenzene	9.0		"	10.0		90.5	86-122		10.1	30	
1,4-Dichlorobenzene	9.2		"	10.0		92.5	85-124		10.1	30	
1,4-Dioxane	220		"	210		106	10-349		4.95	30	
2-Butanone	8.9		"	10.0		88.9	49-152		13.3	30	
2-Hexanone	9.1		"	10.0		91.0	51-146		14.2	30	
4-Methyl-2-pentanone	8.3		"	10.0		82.6	57-145		13.2	30	
Acetone	8.3		"	10.0		82.9	14-150		1.32	30	
Acrolein	4.5		"	10.0		44.6	10-153		17.2	30	
Acrylonitrile	7.9		"	10.0		78.9	51-150		8.73	30	
Benzene	8.5		"	10.0		84.7	85-126	Low Bias	7.94	30	
Bromochloromethane	7.9		"	10.0		79.3	77-128		0.887	30	
Bromodichloromethane	8.9		"	10.0		89.4	79-128		3.08	30	
Bromoform	8.4		"	10.0		83.9	78-133		5.64	30	
Bromomethane	4.7		"	10.0		47.0	43-168		3.14	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike Level	Source*	%REC	%REC Limits	Flag	RPD	
		Limit			Result				RPD	Limit
Batch BI00604 - EPA 5030B										
LCS Dup (BI00604-BSD1)	LCS Dup								Prepared & Analyzed: 09/10/2020	
Carbon disulfide	8.5		ug/L	10.0		85.0	68-146		12.8	30
Carbon tetrachloride	8.8		"	10.0		87.7	77-141		8.62	30
Chlorobenzene	9.1		"	10.0		90.8	88-120		5.46	30
Chloroethane	9.8		"	10.0		97.6	65-136		15.4	30
Chloroform	8.6		"	10.0		86.2	82-128		3.98	30
Chloromethane	7.6		"	10.0		75.7	43-155		12.5	30
cis-1,2-Dichloroethylene	8.5		"	10.0		85.4	83-129		6.68	30
cis-1,3-Dichloropropylene	9.1		"	10.0		90.6	80-131		0.660	30
Cyclohexane	8.6		"	10.0		85.7	63-149		11.1	30
Dibromochloromethane	9.0		"	10.0		90.4	80-130		0.331	30
Dibromomethane	9.0		"	10.0		89.5	72-134		4.34	30
Dichlorodifluoromethane	11		"	10.0		106	44-144		11.0	30
Ethyl Benzene	9.2		"	10.0		92.5	80-131		7.69	30
Hexachlorobutadiene	8.6		"	10.0		85.5	67-146		12.7	30
Isopropylbenzene	8.8		"	10.0		88.4	76-140		15.4	30
Methyl acetate	8.8		"	10.0		87.7	51-139		10.3	30
Methyl tert-butyl ether (MTBE)	9.3		"	10.0		93.1	76-135		13.2	30
Methylcyclohexane	9.2		"	10.0		91.7	72-143		10.0	30
Methylene chloride	8.1		"	10.0		81.4	55-137		0.369	30
n-Butylbenzene	9.2		"	10.0		92.1	79-132		11.8	30
n-Propylbenzene	9.2		"	10.0		91.7	78-133		14.1	30
o-Xylene	9.1		"	10.0		90.9	78-130		6.70	30
p- & m- Xylenes	19		"	20.0		92.8	77-133		9.49	30
p-Isopropyltoluene	9.2		"	10.0		92.0	81-136		13.4	30
sec-Butylbenzene	9.5		"	10.0		95.3	79-137		14.3	30
Styrene	9.5		"	10.0		94.6	67-132		4.85	30
tert-Butyl alcohol (TBA)	38		"	50.0		76.3	25-162		19.6	30
tert-Butylbenzene	8.0		"	10.0		80.2	77-138		15.4	30
Tetrachloroethylene	9.2		"	10.0		92.1	82-131		9.51	30
Toluene	9.0		"	10.0		89.7	80-127		8.33	30
trans-1,2-Dichloroethylene	8.7		"	10.0		87.0	80-132		7.95	30
trans-1,3-Dichloropropylene	9.1		"	10.0		90.7	78-131		2.34	30
Trichloroethylene	9.0		"	10.0		89.5	82-128		11.1	30
Trichlorofluoromethane	8.9		"	10.0		88.6	67-139		13.7	30
Vinyl Chloride	8.8		"	10.0		87.7	58-145		10.7	30
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>10.4</i>		<i>"</i>	<i>10.0</i>		<i>104</i>	<i>69-130</i>			
<i>Surrogate: SURR: Toluene-d8</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>	<i>81-117</i>			
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>9.99</i>		<i>"</i>	<i>10.0</i>		<i>99.9</i>	<i>79-122</i>			



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI00638 - EPA 5030B

Blank (BI00638-BLK1)

Blank

Prepared & Analyzed: 09/11/2020

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	80	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI00638 - EPA 5030B

Blank (BI00638-BLK1)	Blank	Prepared & Analyzed: 09/11/2020									
n-Propylbenzene	ND	0.50	ug/L								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
<hr/>											
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>11.2</i>		<i>"</i>	<i>10.0</i>		<i>112</i>	<i>69-130</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>	<i>81-117</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>10.0</i>		<i>"</i>	<i>10.0</i>		<i>100</i>	<i>79-122</i>				

LCS (BI00638-BS1)	LCS	Prepared & Analyzed: 09/11/2020									
1,1,1,2-Tetrachloroethane	11		ug/L	10.0		107	82-126				
1,1,1-Trichloroethane	11		"	10.0		109	78-136				
1,1,2,2-Tetrachloroethane	9.7		"	10.0		97.2	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		111	54-165				
1,1,2-Trichloroethane	9.6		"	10.0		96.1	82-123				
1,1-Dichloroethane	9.8		"	10.0		98.5	82-129				
1,1-Dichloroethylene	11		"	10.0		106	68-138				
1,2,3-Trichlorobenzene	9.3		"	10.0		92.9	76-136				
1,2,3-Trichloropropane	10		"	10.0		103	77-128				
1,2,4-Trichlorobenzene	10		"	10.0		99.7	76-137				
1,2,4-Trimethylbenzene	11		"	10.0		113	82-132				
1,2-Dibromo-3-chloropropane	9.3		"	10.0		93.0	45-147				
1,2-Dibromoethane	9.9		"	10.0		99.1	83-124				
1,2-Dichlorobenzene	11		"	10.0		109	79-123				
1,2-Dichloroethane	10		"	10.0		102	73-132				
1,2-Dichloropropane	9.9		"	10.0		99.0	78-126				
1,3,5-Trimethylbenzene	11		"	10.0		114	80-131				
1,3-Dichlorobenzene	11		"	10.0		109	86-122				
1,4-Dichlorobenzene	11		"	10.0		107	85-124				
1,4-Dioxane	210		"	210		102	10-349				
2-Butanone	8.6		"	10.0		86.5	49-152				
2-Hexanone	9.0		"	10.0		90.0	51-146				
4-Methyl-2-pentanone	8.4		"	10.0		84.4	57-145				
Acetone	8.5		"	10.0		84.8	14-150				
Acrolein	5.0		"	10.0		50.3	10-153				
Acrylonitrile	8.2		"	10.0		82.1	51-150				
Benzene	10		"	10.0		99.9	85-126				
Bromochloromethane	9.0		"	10.0		89.8	77-128				
Bromodichloromethane	11		"	10.0		105	79-128				
Bromoform	9.5		"	10.0		95.2	78-133				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BI00638 - EPA 5030B

LCS (BI00638-BS1)	LCS	Prepared & Analyzed: 09/11/2020									
Bromomethane	3.6		ug/L	10.0		36.1	43-168			Low Bias	
Carbon disulfide	11		"	10.0		106	68-146				
Carbon tetrachloride	11		"	10.0		111	77-141				
Chlorobenzene	11		"	10.0		106	88-120				
Chloroethane	12		"	10.0		122	65-136				
Chloroform	10		"	10.0		104	82-128				
Chloromethane	9.5		"	10.0		95.0	43-155				
cis-1,2-Dichloroethylene	10		"	10.0		103	83-129				
cis-1,3-Dichloropropylene	10		"	10.0		104	80-131				
Cyclohexane	11		"	10.0		110	63-149				
Dibromochloromethane	10		"	10.0		102	80-130				
Dibromomethane	9.6		"	10.0		96.5	72-134				
Dichlorodifluoromethane	13		"	10.0		129	44-144				
Ethyl Benzene	11		"	10.0		111	80-131				
Hexachlorobutadiene	11		"	10.0		105	67-146				
Isopropylbenzene	11		"	10.0		110	76-140				
Methyl acetate	9.1		"	10.0		91.2	51-139				
Methyl tert-butyl ether (MTBE)	9.2		"	10.0		92.3	76-135				
Methylcyclohexane	11		"	10.0		114	72-143				
Methylene chloride	9.3		"	10.0		92.6	55-137				
n-Butylbenzene	12		"	10.0		115	79-132				
n-Propylbenzene	11		"	10.0		113	78-133				
o-Xylene	11		"	10.0		108	78-130				
p- & m- Xylenes	23		"	20.0		113	77-133				
p-Isopropyltoluene	11		"	10.0		115	81-136				
sec-Butylbenzene	12		"	10.0		118	79-137				
Styrene	11		"	10.0		110	67-132				
tert-Butyl alcohol (TBA)	34		"	50.0		68.5	25-162				
tert-Butylbenzene	10		"	10.0		100	77-138				
Tetrachloroethylene	11		"	10.0		113	82-131				
Toluene	11		"	10.0		106	80-127				
trans-1,2-Dichloroethylene	10		"	10.0		104	80-132				
trans-1,3-Dichloropropylene	10		"	10.0		100	78-131				
Trichloroethylene	11		"	10.0		109	82-128				
Trichlorofluoromethane	12		"	10.0		121	67-139				
Vinyl Chloride	10		"	10.0		102	58-145				
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>9.99</i>		<i>"</i>	<i>10.0</i>		<i>99.9</i>	<i>69-130</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>10.3</i>		<i>"</i>	<i>10.0</i>		<i>103</i>	<i>81-117</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>	<i>79-122</i>				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	
		Limit								Level	Result
Batch BI00638 - EPA 5030B											
LCS Dup (BI00638-BSD1)	LCS Dup	Prepared & Analyzed: 09/11/2020									
1,1,1,2-Tetrachloroethane	10		ug/L	10.0		104	82-126			3.32	30
1,1,1-Trichloroethane	10		"	10.0		102	78-136			6.46	30
1,1,2,2-Tetrachloroethane	10		"	10.0		103	76-129			5.79	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10		"	10.0		102	54-165			8.33	30
1,1,2-Trichloroethane	10		"	10.0		101	82-123			4.67	30
1,1-Dichloroethane	9.3		"	10.0		92.9	82-129			5.85	30
1,1-Dichloroethylene	9.8		"	10.0		98.0	68-138			8.03	30
1,2,3-Trichlorobenzene	9.4		"	10.0		94.0	76-136			1.18	30
1,2,3-Trichloropropane	11		"	10.0		109	77-128			5.48	30
1,2,4-Trichlorobenzene	10		"	10.0		101	76-137			0.899	30
1,2,4-Trimethylbenzene	11		"	10.0		106	82-132			7.04	30
1,2-Dibromo-3-chloropropane	10		"	10.0		103	45-147			10.4	30
1,2-Dibromoethane	10		"	10.0		101	83-124			2.00	30
1,2-Dichlorobenzene	11		"	10.0		106	79-123			2.23	30
1,2-Dichloroethane	10		"	10.0		102	73-132			0.589	30
1,2-Dichloropropane	9.5		"	10.0		94.9	78-126			4.23	30
1,3,5-Trimethylbenzene	10		"	10.0		104	80-131			8.78	30
1,3-Dichlorobenzene	10		"	10.0		100	86-122			8.68	30
1,4-Dichlorobenzene	10		"	10.0		105	85-124			2.36	30
1,4-Dioxane	220		"	210		104	10-349			2.43	30
2-Butanone	10		"	10.0		99.5	49-152			14.0	30
2-Hexanone	9.8		"	10.0		97.7	51-146			8.20	30
4-Methyl-2-pentanone	9.3		"	10.0		93.4	57-145			10.1	30
Acetone	9.1		"	10.0		90.6	14-150			6.61	30
Acrolein	5.3		"	10.0		53.1	10-153			5.42	30
Acrylonitrile	8.3		"	10.0		83.2	51-150			1.33	30
Benzene	9.4		"	10.0		93.7	85-126			6.40	30
Bromochloromethane	9.1		"	10.0		90.8	77-128			1.11	30
Bromodichloromethane	10		"	10.0		100	79-128			4.57	30
Bromoform	9.8		"	10.0		98.4	78-133			3.31	30
Bromomethane	3.9		"	10.0		39.2	43-168	Low Bias		8.23	30
Carbon disulfide	9.6		"	10.0		95.5	68-146			10.1	30
Carbon tetrachloride	10		"	10.0		104	77-141			6.52	30
Chlorobenzene	10		"	10.0		102	88-120			3.65	30
Chloroethane	11		"	10.0		113	65-136			7.22	30
Chloroform	9.7		"	10.0		96.9	82-128			7.07	30
Chloromethane	8.8		"	10.0		87.5	43-155			8.22	30
cis-1,2-Dichloroethylene	9.8		"	10.0		98.0	83-129			5.07	30
cis-1,3-Dichloropropylene	10		"	10.0		102	80-131			2.03	30
Cyclohexane	10		"	10.0		102	63-149			7.62	30
Dibromochloromethane	11		"	10.0		108	80-130			5.25	30
Dibromomethane	9.8		"	10.0		97.9	72-134			1.44	30
Dichlorodifluoromethane	12		"	10.0		123	44-144			5.16	30
Ethyl Benzene	10		"	10.0		104	80-131			6.13	30
Hexachlorobutadiene	10		"	10.0		104	67-146			1.15	30
Isopropylbenzene	10		"	10.0		100	76-140			9.70	30
Methyl acetate	9.8		"	10.0		98.0	51-139			7.19	30
Methyl tert-butyl ether (MTBE)	10		"	10.0		101	76-135			8.90	30
Methylcyclohexane	11		"	10.0		106	72-143			6.81	30
Methylene chloride	9.0		"	10.0		90.5	55-137			2.29	30
n-Butylbenzene	10		"	10.0		105	79-132			9.09	30



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

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

Batch BI00638 - EPA 5030B

LCS Dup (BI00638-BSD1)	LCS Dup	Prepared & Analyzed: 09/11/2020									
n-Propylbenzene	10		ug/L	10.0		103	78-133		9.15	30	
o-Xylene	10		"	10.0		104	78-130		3.95	30	
p- & m- Xylenes	21		"	20.0		106	77-133		5.90	30	
p-Isopropyltoluene	11		"	10.0		105	81-136		8.46	30	
sec-Butylbenzene	11		"	10.0		109	79-137		7.78	30	
Styrene	11		"	10.0		105	67-132		4.09	30	
tert-Butyl alcohol (TBA)	42		"	50.0		84.8	25-162		21.2	30	
tert-Butylbenzene	9.1		"	10.0		91.1	77-138		9.51	30	
Tetrachloroethylene	10		"	10.0		105	82-131		7.17	30	
Toluene	9.9		"	10.0		98.9	80-127		7.12	30	
trans-1,2-Dichloroethylene	9.7		"	10.0		96.6	80-132		7.57	30	
trans-1,3-Dichloropropylene	10		"	10.0		102	78-131		1.48	30	
Trichloroethylene	10		"	10.0		100	82-128		8.34	30	
Trichlorofluoromethane	11		"	10.0		113	67-139		6.76	30	
Vinyl Chloride	9.8		"	10.0		98.1	58-145		4.09	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	10.4		"	10.0		104	69-130				
Surrogate: SURR: Toluene-d8	10.1		"	10.0		101	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.1		"	10.0		101	79-122				

Batch BI00641 - EPA 5035A

Blank (BI00641-BLK1)	Blank	Prepared & Analyzed: 09/11/2020									
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2-Butanone	ND	5.0	"								
2-Hexanone	ND	5.0	"								
4-Methyl-2-pentanone	ND	5.0	"								
Acetone	ND	10	"								
Acrolein	ND	10	"								
Acrylonitrile	ND	5.0	"								
Benzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI00641 - EPA 5035A

Blank (BI00641-BLK1) Blank Prepared & Analyzed: 09/11/2020

Bromoform	ND	5.0	ug/kg wet								
Bromomethane	ND	5.0	"								
Carbon disulfide	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Cyclohexane	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl acetate	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylcyclohexane	ND	5.0	"								
Methylene chloride	ND	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butyl alcohol (TBA)	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								

Surrogate: SURRE: 1,2-Dichloroethane-d4	38.5		ug/L	50.0		77.0	77-125				
Surrogate: SURRE: Toluene-d8	50.1		"	50.0		100	85-120				
Surrogate: SURRE: p-Bromofluorobenzene	49.1		"	50.0		98.3	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI00641 - EPA 5035A

Blank (BI00641-BLK2)

Blank

Prepared & Analyzed: 09/11/2020

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



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI00641 - EPA 5035A

Blank (BI00641-BLK2) Blank Prepared & Analyzed: 09/11/2020

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

Surrogate: SURR: 1,2-Dichloroethane-d4	38.9		ug/L	50.0		77.7	77-125				
Surrogate: SURR: Toluene-d8	49.9		"	50.0		99.8	85-120				
Surrogate: SURR: p-Bromofluorobenzene	49.0		"	50.0		98.0	76-130				

LCS (BI00641-BS1) LCS Prepared & Analyzed: 09/11/2020

1,1,1,2-Tetrachloroethane	38		ug/L	50.0		75.6	75-129				
1,1,1-Trichloroethane	44		"	50.0		87.3	71-137				
1,1,2,2-Tetrachloroethane	53		"	50.0		105	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	56		"	50.0		112	58-146				
1,1,2-Trichloroethane	51		"	50.0		102	83-123				
1,1-Dichloroethane	49		"	50.0		97.4	75-130				
1,1-Dichloroethylene	53		"	50.0		105	64-137				
1,2,3-Trichlorobenzene	52		"	50.0		103	81-140				
1,2,3-Trichloropropane	45		"	50.0		90.8	81-126				
1,2,4-Trichlorobenzene	50		"	50.0		100	80-141				
1,2,4-Trimethylbenzene	44		"	50.0		88.5	84-125				
1,2-Dibromo-3-chloropropane	45		"	50.0		90.2	74-142				
1,2-Dibromoethane	49		"	50.0		98.8	86-123				
1,2-Dichlorobenzene	51		"	50.0		102	85-122				
1,2-Dichloroethane	40		"	50.0		80.5	71-133				
1,2-Dichloropropane	48		"	50.0		96.0	81-122				
1,3,5-Trimethylbenzene	45		"	50.0		89.9	82-126				
1,3-Dichlorobenzene	50		"	50.0		100	84-124				
1,4-Dichlorobenzene	49		"	50.0		97.7	84-124				
1,4-Dioxane	1400		"	1050		136	10-228				
2-Butanone	62		"	50.0		125	58-147				
2-Hexanone	50		"	50.0		99.9	70-139				
4-Methyl-2-pentanone	50		"	50.0		101	72-132				
Acetone	37		"	50.0		73.3	36-155				
Acrolein	57		"	50.0		114	10-238				
Acrylonitrile	64		"	50.0		129	66-141				
Benzene	57		"	50.0		113	77-127				
Bromochloromethane	48		"	50.0		95.4	74-129				
Bromodichloromethane	43		"	50.0		85.3	81-124				
Bromoform	37		"	50.0		74.7	80-136			Low Bias	



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI00641 - EPA 5035A

LCS (BI00641-BS1)	LCS	Prepared & Analyzed: 09/11/2020									
Bromomethane	39		ug/L	50.0		78.7	32-177				
Carbon disulfide	63		"	50.0		126	10-136				
Carbon tetrachloride	45		"	50.0		89.7	66-143				
Chlorobenzene	51		"	50.0		101	86-120				
Chloroethane	45		"	50.0		90.3	51-142				
Chloroform	46		"	50.0		92.8	76-131				
Chloromethane	69		"	50.0		137	49-132	High Bias			
cis-1,2-Dichloroethylene	48		"	50.0		95.8	74-132				
cis-1,3-Dichloropropylene	48		"	50.0		96.4	81-129				
Cyclohexane	56		"	50.0		111	70-130				
Dibromochloromethane	48		"	50.0		95.1	10-200				
Dibromomethane	46		"	50.0		92.6	83-124				
Dichlorodifluoromethane	66		"	50.0		131	28-158				
Ethyl Benzene	48		"	50.0		96.4	84-125				
Hexachlorobutadiene	44		"	50.0		87.4	83-133				
Isopropylbenzene	45		"	50.0		89.0	81-127				
Methyl acetate	53		"	50.0		105	41-143				
Methyl tert-butyl ether (MTBE)	51		"	50.0		102	74-131				
Methylcyclohexane	54		"	50.0		109	70-130				
Methylene chloride	51		"	50.0		103	57-141				
n-Butylbenzene	47		"	50.0		94.8	80-130				
n-Propylbenzene	46		"	50.0		91.5	74-136				
o-Xylene	46		"	50.0		91.7	83-123				
p- & m- Xylenes	96		"	100		95.8	82-128				
p-Isopropyltoluene	47		"	50.0		94.8	85-125				
sec-Butylbenzene	50		"	50.0		99.1	83-125				
Styrene	52		"	50.0		104	86-126				
tert-Butyl alcohol (TBA)	290		"	250		114	70-130				
tert-Butylbenzene	44		"	50.0		88.8	80-127				
Tetrachloroethylene	48		"	50.0		95.3	80-129				
Toluene	51		"	50.0		102	85-121				
trans-1,2-Dichloroethylene	52		"	50.0		104	72-132				
trans-1,3-Dichloropropylene	45		"	50.0		90.2	78-132				
Trichloroethylene	48		"	50.0		97.0	84-123				
Trichlorofluoromethane	41		"	50.0		81.2	62-140				
Vinyl Chloride	68		"	50.0		137	52-130	High Bias			
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>39.4</i>		<i>"</i>	<i>50.0</i>		<i>78.9</i>	<i>77-125</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>49.6</i>		<i>"</i>	<i>50.0</i>		<i>99.2</i>	<i>85-120</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>44.1</i>		<i>"</i>	<i>50.0</i>		<i>88.3</i>	<i>76-130</i>				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00641 - EPA 5035A											
LCS Dup (BI00641-BSD1)	LCS Dup	Prepared & Analyzed: 09/11/2020									
1,1,1,2-Tetrachloroethane	39		ug/L	50.0		77.9	75-129		2.92	30	
1,1,1-Trichloroethane	46		"	50.0		93.0	71-137		6.32	30	
1,1,2,2-Tetrachloroethane	56		"	50.0		111	79-129		5.62	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	60		"	50.0		121	58-146		7.21	30	
1,1,2-Trichloroethane	54		"	50.0		107	83-123		4.37	30	
1,1-Dichloroethane	51		"	50.0		102	75-130		4.22	30	
1,1-Dichloroethylene	56		"	50.0		112	64-137		5.82	30	
1,2,3-Trichlorobenzene	51		"	50.0		102	81-140		0.915	30	
1,2,3-Trichloropropane	50		"	50.0		99.0	81-126		8.70	30	
1,2,4-Trichlorobenzene	52		"	50.0		104	80-141		3.68	30	
1,2,4-Trimethylbenzene	46		"	50.0		92.1	84-125		3.96	30	
1,2-Dibromo-3-chloropropane	49		"	50.0		97.3	74-142		7.53	30	
1,2-Dibromoethane	52		"	50.0		104	86-123		5.01	30	
1,2-Dichlorobenzene	52		"	50.0		104	85-122		1.77	30	
1,2-Dichloroethane	41		"	50.0		81.2	71-133		0.817	30	
1,2-Dichloropropane	50		"	50.0		100	81-122		4.50	30	
1,3,5-Trimethylbenzene	48		"	50.0		96.0	82-126		6.50	30	
1,3-Dichlorobenzene	52		"	50.0		104	84-124		4.33	30	
1,4-Dichlorobenzene	51		"	50.0		103	84-124		4.79	30	
1,4-Dioxane	1800		"	1050		169	10-228		21.6	30	
2-Butanone	68		"	50.0		136	58-147		8.74	30	
2-Hexanone	56		"	50.0		112	70-139		11.1	30	
4-Methyl-2-pentanone	55		"	50.0		110	72-132		9.22	30	
Acetone	40		"	50.0		80.9	36-155		9.86	30	
Acrolein	58		"	50.0		116	10-238		2.13	30	
Acrylonitrile	70		"	50.0		141	66-141		8.81	30	
Benzene	59		"	50.0		117	77-127		3.72	30	
Bromochloromethane	48		"	50.0		96.8	74-129		1.50	30	
Bromodichloromethane	44		"	50.0		88.7	81-124		3.91	30	
Bromoform	39		"	50.0		77.7	80-136	Low Bias	3.86	30	
Bromomethane	43		"	50.0		86.8	32-177		9.79	30	
Carbon disulfide	67		"	50.0		135	10-136		6.33	30	
Carbon tetrachloride	48		"	50.0		95.4	66-143		6.09	30	
Chlorobenzene	54		"	50.0		107	86-120		5.70	30	
Chloroethane	47		"	50.0		93.1	51-142		3.12	30	
Chloroform	48		"	50.0		95.6	76-131		2.97	30	
Chloromethane	71		"	50.0		142	49-132	High Bias	3.31	30	
cis-1,2-Dichloroethylene	50		"	50.0		101	74-132		5.09	30	
cis-1,3-Dichloropropylene	50		"	50.0		101	81-129		4.58	30	
Cyclohexane	60		"	50.0		119	70-130		6.84	30	
Dibromochloromethane	48		"	50.0		96.8	10-200		1.75	30	
Dibromomethane	49		"	50.0		97.2	83-124		4.89	30	
Dichlorodifluoromethane	66		"	50.0		132	28-158		1.09	30	
Ethyl Benzene	51		"	50.0		102	84-125		6.11	30	
Hexachlorobutadiene	45		"	50.0		89.4	83-133		2.24	30	
Isopropylbenzene	48		"	50.0		96.1	81-127		7.59	30	
Methyl acetate	57		"	50.0		113	41-143		7.31	30	
Methyl tert-butyl ether (MTBE)	51		"	50.0		102	74-131		0.450	30	
Methylcyclohexane	60		"	50.0		119	70-130		9.25	30	
Methylene chloride	52		"	50.0		104	57-141		1.58	30	
n-Butylbenzene	50		"	50.0		100	80-130		5.36	30	



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

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	
		Limit								RPD	Limit
Batch BI00641 - EPA 5035A											
LCS Dup (BI00641-BSD1)	LCS Dup	Prepared & Analyzed: 09/11/2020									
n-Propylbenzene	49		ug/L	50.0		97.8		74-136		6.68	30
o-Xylene	48		"	50.0		96.5		83-123		5.16	30
p- & m- Xylenes	100		"	100		102		82-128		6.54	30
p-Isopropyltoluene	50		"	50.0		101		85-125		5.90	30
sec-Butylbenzene	53		"	50.0		105		83-125		6.03	30
Styrene	54		"	50.0		108		86-126		3.17	30
tert-Butyl alcohol (TBA)	330		"	250		132		70-130	High Bias	14.3	30
tert-Butylbenzene	47		"	50.0		94.5		80-127		6.24	30
Tetrachloroethylene	52		"	50.0		104		80-129		8.95	30
Toluene	54		"	50.0		108		85-121		5.50	30
trans-1,2-Dichloroethylene	55		"	50.0		110		72-132		5.44	30
trans-1,3-Dichloropropylene	47		"	50.0		93.9		78-132		4.09	30
Trichloroethylene	52		"	50.0		105		84-123		7.84	30
Trichlorofluoromethane	44		"	50.0		87.5		62-140		7.45	30
Vinyl Chloride	72		"	50.0		144		52-130	High Bias	5.34	30
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>38.5</i>		<i>"</i>	<i>50.0</i>		<i>77.0</i>		<i>77-125</i>			
<i>Surrogate: SURR: Toluene-d8</i>	<i>50.1</i>		<i>"</i>	<i>50.0</i>		<i>100</i>		<i>85-120</i>			
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>44.4</i>		<i>"</i>	<i>50.0</i>		<i>88.9</i>		<i>76-130</i>			

Batch BI00700 - EPA 5030B

Blank (BI00700-BLK1)	Blank	Prepared & Analyzed: 09/14/2020									
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	80	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BI00700 - EPA 5030B

Blank (BI00700-BLK1) Blank Prepared & Analyzed: 09/14/2020

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

<i>Surrogate: Surr: 1,2-Dichloroethane-d4</i>	10.6	"	10.0	106	69-130
<i>Surrogate: Surr: Toluene-d8</i>	10.2	"	10.0	102	81-117
<i>Surrogate: Surr: p-Bromofluorobenzene</i>	10.2	"	10.0	102	79-122



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BI00700 - EPA 5030B

LCS (BI00700-BS1)	LCS										
											Prepared & Analyzed: 09/14/2020
1,1,1,2-Tetrachloroethane	10		ug/L	10.0		99.7	82-126				
1,1,1-Trichloroethane	9.2		"	10.0		92.0	78-136				
1,1,2,2-Tetrachloroethane	10		"	10.0		100	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.9		"	10.0		88.6	54-165				
1,1,2-Trichloroethane	9.4		"	10.0		93.7	82-123				
1,1-Dichloroethane	8.4		"	10.0		84.5	82-129				
1,1-Dichloroethylene	8.9		"	10.0		88.9	68-138				
1,2,3-Trichlorobenzene	9.1		"	10.0		91.1	76-136				
1,2,3-Trichloropropane	10		"	10.0		102	77-128				
1,2,4-Trichlorobenzene	10		"	10.0		99.6	76-137				
1,2,4-Trimethylbenzene	11		"	10.0		108	82-132				
1,2-Dibromo-3-chloropropane	9.6		"	10.0		96.2	45-147				
1,2-Dibromoethane	9.5		"	10.0		95.2	83-124				
1,2-Dichlorobenzene	10		"	10.0		105	79-123				
1,2-Dichloroethane	9.2		"	10.0		92.4	73-132				
1,2-Dichloropropane	9.1		"	10.0		91.1	78-126				
1,3,5-Trimethylbenzene	11		"	10.0		108	80-131				
1,3-Dichlorobenzene	10		"	10.0		103	86-122				
1,4-Dichlorobenzene	10		"	10.0		104	85-124				
1,4-Dioxane	180		"	210		86.7	10-349				
2-Butanone	8.2		"	10.0		81.5	49-152				
2-Hexanone	8.5		"	10.0		85.4	51-146				
4-Methyl-2-pentanone	7.9		"	10.0		79.3	57-145				
Acetone	9.0		"	10.0		89.5	14-150				
Acrolein	6.0		"	10.0		60.3	10-153				
Acrylonitrile	7.8		"	10.0		77.6	51-150				
Benzene	9.0		"	10.0		89.8	85-126				
Bromochloromethane	8.3		"	10.0		83.1	77-128				
Bromodichloromethane	9.8		"	10.0		98.0	79-128				
Bromoform	9.5		"	10.0		95.0	78-133				
Bromomethane	5.4		"	10.0		53.5	43-168				
Carbon disulfide	9.1		"	10.0		90.8	68-146				
Carbon tetrachloride	9.1		"	10.0		90.7	77-141				
Chlorobenzene	9.8		"	10.0		98.2	88-120				
Chloroethane	11		"	10.0		112	65-136				
Chloroform	9.0		"	10.0		90.4	82-128				
Chloromethane	8.8		"	10.0		87.5	43-155				
cis-1,2-Dichloroethylene	9.1		"	10.0		90.8	83-129				
cis-1,3-Dichloropropylene	9.7		"	10.0		97.4	80-131				
Cyclohexane	8.5		"	10.0		85.1	63-149				
Dibromochloromethane	9.8		"	10.0		98.4	80-130				
Dibromomethane	9.2		"	10.0		91.5	72-134				
Dichlorodifluoromethane	11		"	10.0		110	44-144				
Ethyl Benzene	10		"	10.0		103	80-131				
Hexachlorobutadiene	10		"	10.0		101	67-146				
Isopropylbenzene	10		"	10.0		104	76-140				
Methyl acetate	7.9		"	10.0		78.6	51-139				
Methyl tert-butyl ether (MTBE)	8.4		"	10.0		84.1	76-135				
Methylcyclohexane	9.3		"	10.0		92.6	72-143				
Methylene chloride	8.5		"	10.0		85.4	55-137				
n-Butylbenzene	12		"	10.0		116	79-132				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00700 - EPA 5030B											
LCS (BI00700-BS1)	LCS										Prepared & Analyzed: 09/14/2020
n-Propylbenzene	11		ug/L	10.0		105	78-133				
o-Xylene	10		"	10.0		99.5	78-130				
p- & m- Xylenes	21		"	20.0		103	77-133				
p-Isopropyltoluene	11		"	10.0		106	81-136				
sec-Butylbenzene	11		"	10.0		110	79-137				
Styrene	10		"	10.0		104	67-132				
tert-Butyl alcohol (TBA)	33		"	50.0		66.2	25-162				
tert-Butylbenzene	9.3		"	10.0		93.2	77-138				
Tetrachloroethylene	9.9		"	10.0		99.1	82-131				
Toluene	9.8		"	10.0		98.3	80-127				
trans-1,2-Dichloroethylene	9.1		"	10.0		91.0	80-132				
trans-1,3-Dichloropropylene	9.5		"	10.0		94.6	78-131				
Trichloroethylene	10		"	10.0		100	82-128				
Trichlorofluoromethane	9.7		"	10.0		97.3	67-139				
Vinyl Chloride	9.4		"	10.0		94.0	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	9.64		"	10.0		96.4	69-130				
Surrogate: SURR: Toluene-d8	10.4		"	10.0		104	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.1		"	10.0		101	79-122				
LCS Dup (BI00700-BSD1)	LCS Dup										Prepared & Analyzed: 09/14/2020
1,1,1,2-Tetrachloroethane	9.9		ug/L	10.0		98.6	82-126		1.11	30	
1,1,1-Trichloroethane	8.8		"	10.0		88.3	78-136		4.10	30	
1,1,2,2-Tetrachloroethane	10		"	10.0		103	76-129		2.36	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.4		"	10.0		84.2	54-165		5.09	30	
1,1,2-Trichloroethane	9.4		"	10.0		94.0	82-123		0.320	30	
1,1-Dichloroethane	8.4		"	10.0		84.2	82-129		0.356	30	
1,1-Dichloroethylene	8.6		"	10.0		86.4	68-138		2.85	30	
1,2,3-Trichlorobenzene	9.4		"	10.0		93.9	76-136		3.03	30	
1,2,3-Trichloropropane	11		"	10.0		112	77-128		9.59	30	
1,2,4-Trichlorobenzene	10		"	10.0		99.7	76-137		0.100	30	
1,2,4-Trimethylbenzene	10		"	10.0		102	82-132		6.00	30	
1,2-Dibromo-3-chloropropane	9.9		"	10.0		99.3	45-147		3.17	30	
1,2-Dibromoethane	9.6		"	10.0		95.5	83-124		0.315	30	
1,2-Dichlorobenzene	10		"	10.0		103	79-123		1.54	30	
1,2-Dichloroethane	9.4		"	10.0		94.4	73-132		2.14	30	
1,2-Dichloropropane	9.0		"	10.0		90.0	78-126		1.21	30	
1,3,5-Trimethylbenzene	10		"	10.0		101	80-131		6.40	30	
1,3-Dichlorobenzene	10		"	10.0		100	86-122		2.95	30	
1,4-Dichlorobenzene	10		"	10.0		99.6	85-124		4.51	30	
1,4-Dioxane	200		"	210		97.0	10-349		11.2	30	
2-Butanone	8.8		"	10.0		87.7	49-152		7.33	30	
2-Hexanone	9.1		"	10.0		91.2	51-146		6.57	30	
4-Methyl-2-pentanone	8.9		"	10.0		88.6	57-145		11.1	30	
Acetone	8.7		"	10.0		86.6	14-150		3.29	30	
Acrolein	5.5		"	10.0		55.1	10-153		9.01	30	
Acrylonitrile	8.7		"	10.0		87.2	51-150		11.7	30	
Benzene	8.6		"	10.0		86.2	85-126		4.09	30	
Bromochloromethane	8.4		"	10.0		84.5	77-128		1.67	30	
Bromodichloromethane	9.6		"	10.0		96.4	79-128		1.65	30	
Bromoform	9.9		"	10.0		98.9	78-133		4.02	30	
Bromomethane	5.2		"	10.0		52.1	43-168		2.65	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BI00700 - EPA 5030B

LCS Dup (BI00700-BSD1)	LCS Dup	Prepared & Analyzed: 09/14/2020								
Carbon disulfide	8.6	ug/L	10.0	86.1	68-146	5.31	30			
Carbon tetrachloride	8.7	"	10.0	87.3	77-141	3.82	30			
Chlorobenzene	9.2	"	10.0	92.5	88-120	5.98	30			
Chloroethane	10	"	10.0	105	65-136	6.10	30			
Chloroform	9.0	"	10.0	89.8	82-128	0.666	30			
Chloromethane	8.4	"	10.0	84.1	43-155	3.96	30			
cis-1,2-Dichloroethylene	9.0	"	10.0	89.8	83-129	1.11	30			
cis-1,3-Dichloropropylene	9.6	"	10.0	95.7	80-131	1.76	30			
Cyclohexane	8.1	"	10.0	81.4	63-149	4.44	30			
Dibromochloromethane	10	"	10.0	100	80-130	2.11	30			
Dibromomethane	9.4	"	10.0	94.1	72-134	2.80	30			
Dichlorodifluoromethane	10	"	10.0	104	44-144	5.51	30			
Ethyl Benzene	9.5	"	10.0	95.2	80-131	7.58	30			
Hexachlorobutadiene	9.7	"	10.0	96.6	67-146	4.75	30			
Isopropylbenzene	9.7	"	10.0	96.9	76-140	7.36	30			
Methyl acetate	8.8	"	10.0	87.5	51-139	10.7	30			
Methyl tert-butyl ether (MTBE)	9.5	"	10.0	94.6	76-135	11.8	30			
Methylcyclohexane	8.6	"	10.0	86.0	72-143	7.39	30			
Methylene chloride	8.5	"	10.0	84.9	55-137	0.587	30			
n-Butylbenzene	11	"	10.0	108	79-132	6.98	30			
n-Propylbenzene	9.7	"	10.0	97.2	78-133	7.81	30			
o-Xylene	9.7	"	10.0	97.2	78-130	2.34	30			
p- & m- Xylenes	19	"	20.0	96.8	77-133	5.82	30			
p-Isopropyltoluene	10	"	10.0	99.8	81-136	6.40	30			
sec-Butylbenzene	10	"	10.0	102	79-137	7.80	30			
Styrene	10	"	10.0	101	67-132	2.44	30			
tert-Butyl alcohol (TBA)	40	"	50.0	80.1	25-162	18.9	30			
tert-Butylbenzene	8.6	"	10.0	86.0	77-138	8.04	30			
Tetrachloroethylene	9.2	"	10.0	91.6	82-131	7.87	30			
Toluene	9.2	"	10.0	92.0	80-127	6.62	30			
trans-1,2-Dichloroethylene	9.0	"	10.0	89.9	80-132	1.22	30			
trans-1,3-Dichloropropylene	9.8	"	10.0	98.1	78-131	3.63	30			
Trichloroethylene	9.2	"	10.0	91.8	82-128	8.85	30			
Trichlorofluoromethane	9.3	"	10.0	93.2	67-139	4.30	30			
Vinyl Chloride	9.0	"	10.0	89.5	58-145	4.90	30			
Surrogate: SURR: 1,2-Dichloroethane-d4	10.4	"	10.0	104	69-130					
Surrogate: SURR: Toluene-d8	10.3	"	10.0	103	81-117					
Surrogate: SURR: p-Bromofluorobenzene	10.2	"	10.0	102	79-122					



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI00756 - EPA 5035A

Blank (BI00756-BLK1)

Blank

Prepared & Analyzed: 09/14/2020

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



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

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

Batch BI00756 - EPA 5035A

Blank (BI00756-BLK1)		Blank		Prepared & Analyzed: 09/14/2020							
n-Propylbenzene	ND	5.0	ug/kg wet								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butyl alcohol (TBA)	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>40.6</i>		<i>ug/L</i>	<i>50.0</i>		<i>81.2</i>	<i>77-125</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>50.3</i>		<i>"</i>	<i>50.0</i>		<i>101</i>	<i>85-120</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>50.3</i>		<i>"</i>	<i>50.0</i>		<i>101</i>	<i>76-130</i>				

Blank (BI00756-BLK2)		Blank		Prepared & Analyzed: 09/14/2020							
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2-Butanone	ND	5.0	"								
2-Hexanone	ND	5.0	"								
4-Methyl-2-pentanone	ND	5.0	"								
Acetone	ND	10	"								
Acrolein	ND	10	"								
Acrylonitrile	ND	5.0	"								
Benzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BI00756 - EPA 5035A

Blank (BI00756-BLK2)	Blank	Prepared & Analyzed: 09/14/2020									
Bromomethane	ND	5.0	ug/kg wet								
Carbon disulfide	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Cyclohexane	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl acetate	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylcyclohexane	ND	5.0	"								
Methylene chloride	ND	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butyl alcohol (TBA)	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	39.4		ug/L	50.0		78.7		77-125			
<i>Surrogate: SURR: Toluene-d8</i>	49.6		"	50.0		99.2		85-120			
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	48.0		"	50.0		96.0		76-130			



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting		Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD		
		Limit	Units						RPD	Limit	Flag
Batch BI00756 - EPA 5035A											
LCS (BI00756-BS1)	LCS										Prepared & Analyzed: 09/14/2020
1,1,1,2-Tetrachloroethane	41		ug/L	50.0		82.0	75-129				
1,1,1-Trichloroethane	48		"	50.0		96.2	71-137				
1,1,2,2-Tetrachloroethane	54		"	50.0		108	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	61		"	50.0		122	58-146				
1,1,2-Trichloroethane	54		"	50.0		109	83-123				
1,1-Dichloroethane	52		"	50.0		104	75-130				
1,1-Dichloroethylene	56		"	50.0		111	64-137				
1,2,3-Trichlorobenzene	55		"	50.0		110	81-140				
1,2,3-Trichloropropane	47		"	50.0		94.7	81-126				
1,2,4-Trichlorobenzene	55		"	50.0		109	80-141				
1,2,4-Trimethylbenzene	47		"	50.0		94.6	84-125				
1,2-Dibromo-3-chloropropane	49		"	50.0		97.9	74-142				
1,2-Dibromoethane	53		"	50.0		106	86-123				
1,2-Dichlorobenzene	55		"	50.0		109	85-122				
1,2-Dichloroethane	43		"	50.0		86.4	71-133				
1,2-Dichloropropane	51		"	50.0		102	81-122				
1,3,5-Trimethylbenzene	48		"	50.0		95.4	82-126				
1,3-Dichlorobenzene	54		"	50.0		109	84-124				
1,4-Dichlorobenzene	53		"	50.0		107	84-124				
1,4-Dioxane	1300		"	1050		128	10-228				
2-Butanone	71		"	50.0		142	58-147				
2-Hexanone	52		"	50.0		105	70-139				
4-Methyl-2-pentanone	52		"	50.0		105	72-132				
Acetone	37		"	50.0		73.8	36-155				
Acrolein	65		"	50.0		131	10-238				
Acrylonitrile	64		"	50.0		127	66-141				
Benzene	59		"	50.0		119	77-127				
Bromochloromethane	51		"	50.0		102	74-129				
Bromodichloromethane	47		"	50.0		94.2	81-124				
Bromoform	44		"	50.0		88.0	80-136				
Bromomethane	48		"	50.0		96.9	32-177				
Carbon disulfide	69		"	50.0		138	10-136	High Bias			
Carbon tetrachloride	49		"	50.0		98.3	66-143				
Chlorobenzene	55		"	50.0		110	86-120				
Chloroethane	52		"	50.0		104	51-142				
Chloroform	50		"	50.0		100	76-131				
Chloromethane	78		"	50.0		155	49-132	High Bias			
cis-1,2-Dichloroethylene	51		"	50.0		103	74-132				
cis-1,3-Dichloropropylene	52		"	50.0		104	81-129				
Cyclohexane	57		"	50.0		114	70-130				
Dibromochloromethane	54		"	50.0		107	10-200				
Dibromomethane	49		"	50.0		98.8	83-124				
Dichlorodifluoromethane	82		"	50.0		164	28-158	High Bias			
Ethyl Benzene	52		"	50.0		103	84-125				
Hexachlorobutadiene	48		"	50.0		96.2	83-133				
Isopropylbenzene	47		"	50.0		94.5	81-127				
Methyl acetate	50		"	50.0		100	41-143				
Methyl tert-butyl ether (MTBE)	53		"	50.0		107	74-131				
Methylcyclohexane	56		"	50.0		113	70-130				
Methylene chloride	54		"	50.0		109	57-141				
n-Butylbenzene	50		"	50.0		101	80-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00756 - EPA 5035A											
LCS (BI00756-BS1)	LCS										Prepared & Analyzed: 09/14/2020
n-Propylbenzene	48		ug/L	50.0		96.9	74-136				
o-Xylene	49		"	50.0		98.8	83-123				
p- & m- Xylenes	100		"	100		103	82-128				
p-Isopropyltoluene	51		"	50.0		102	85-125				
sec-Butylbenzene	53		"	50.0		105	83-125				
Styrene	56		"	50.0		112	86-126				
tert-Butyl alcohol (TBA)	300		"	250		119	70-130				
tert-Butylbenzene	48		"	50.0		95.4	80-127				
Tetrachloroethylene	53		"	50.0		106	80-129				
Toluene	55		"	50.0		109	85-121				
trans-1,2-Dichloroethylene	55		"	50.0		110	72-132				
trans-1,3-Dichloropropylene	49		"	50.0		97.7	78-132				
Trichloroethylene	53		"	50.0		106	84-123				
Trichlorofluoromethane	44		"	50.0		88.8	62-140				
Vinyl Chloride	77		"	50.0		154	52-130	High Bias			
Surrogate: SURR: 1,2-Dichloroethane-d4	40.5		"	50.0		80.9	77-125				
Surrogate: SURR: Toluene-d8	49.8		"	50.0		99.6	85-120				
Surrogate: SURR: p-Bromofluorobenzene	43.7		"	50.0		87.4	76-130				
LCS Dup (BI00756-BS1)	LCS Dup										Prepared & Analyzed: 09/14/2020
1,1,1,2-Tetrachloroethane	40		ug/L	50.0		80.1	75-129		2.37		30
1,1,1-Trichloroethane	49		"	50.0		97.7	71-137		1.55		30
1,1,2,2-Tetrachloroethane	53		"	50.0		106	79-129		2.11		30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	61		"	50.0		122	58-146		0.410		30
1,1,2-Trichloroethane	53		"	50.0		106	83-123		1.97		30
1,1-Dichloroethane	51		"	50.0		103	75-130		0.929		30
1,1-Dichloroethylene	55		"	50.0		110	64-137		1.07		30
1,2,3-Trichlorobenzene	54		"	50.0		108	81-140		1.49		30
1,2,3-Trichloropropane	46		"	50.0		92.2	81-126		2.65		30
1,2,4-Trichlorobenzene	54		"	50.0		107	80-141		1.64		30
1,2,4-Trimethylbenzene	47		"	50.0		93.4	84-125		1.30		30
1,2-Dibromo-3-chloropropane	48		"	50.0		95.7	74-142		2.31		30
1,2-Dibromoethane	51		"	50.0		103	86-123		3.02		30
1,2-Dichlorobenzene	53		"	50.0		107	85-122		2.06		30
1,2-Dichloroethane	43		"	50.0		85.7	71-133		0.837		30
1,2-Dichloropropane	50		"	50.0		100	81-122		2.43		30
1,3,5-Trimethylbenzene	48		"	50.0		96.2	82-126		0.772		30
1,3-Dichlorobenzene	53		"	50.0		106	84-124		2.48		30
1,4-Dichlorobenzene	52		"	50.0		105	84-124		1.78		30
1,4-Dioxane	1400		"	1050		136	10-228		5.76		30
2-Butanone	60		"	50.0		121	58-147		16.4		30
2-Hexanone	50		"	50.0		101	70-139		3.66		30
4-Methyl-2-pentanone	51		"	50.0		102	72-132		3.12		30
Acetone	36		"	50.0		72.6	36-155		1.69		30
Acrolein	67		"	50.0		135	10-238		3.12		30
Acrylonitrile	62		"	50.0		124	66-141		3.16		30
Benzene	60		"	50.0		120	77-127		0.520		30
Bromochloromethane	50		"	50.0		100	74-129		1.49		30
Bromodichloromethane	46		"	50.0		92.3	81-124		2.08		30
Bromoform	41		"	50.0		82.9	80-136		5.90		30
Bromomethane	49		"	50.0		97.6	32-177		0.699		30



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00756 - EPA 5035A											
LCS Dup (BI00756-BSD1)	LCS Dup	Prepared & Analyzed: 09/14/2020									
Carbon disulfide	69		ug/L	50.0		139	10-136	High Bias	0.998	30	
Carbon tetrachloride	50		"	50.0		100	66-143		2.01	30	
Chlorobenzene	54		"	50.0		108	86-120		1.87	30	
Chloroethane	53		"	50.0		106	51-142		1.60	30	
Chloroform	50		"	50.0		99.9	76-131		0.400	30	
Chloromethane	79		"	50.0		157	49-132	High Bias	1.37	30	
cis-1,2-Dichloroethylene	52		"	50.0		103	74-132		0.835	30	
cis-1,3-Dichloropropylene	51		"	50.0		102	81-129		2.30	30	
Cyclohexane	57		"	50.0		114	70-130		0.509	30	
Dibromochloromethane	53		"	50.0		105	10-200		1.64	30	
Dibromomethane	48		"	50.0		96.8	83-124		2.04	30	
Dichlorodifluoromethane	84		"	50.0		167	28-158	High Bias	1.92	30	
Ethyl Benzene	51		"	50.0		102	84-125		0.721	30	
Hexachlorobutadiene	48		"	50.0		96.7	83-133		0.539	30	
Isopropylbenzene	48		"	50.0		95.2	81-127		0.675	30	
Methyl acetate	48		"	50.0		95.5	41-143		4.84	30	
Methyl tert-butyl ether (MTBE)	53		"	50.0		107	74-131		0.0938	30	
Methylcyclohexane	56		"	50.0		113	70-130		0.0709	30	
Methylene chloride	54		"	50.0		108	57-141		1.11	30	
n-Butylbenzene	49		"	50.0		98.6	80-130		2.03	30	
n-Propylbenzene	48		"	50.0		95.9	74-136		1.10	30	
o-Xylene	49		"	50.0		98.5	83-123		0.284	30	
p- & m- Xylenes	100		"	100		103	82-128		0.593	30	
p-Isopropyltoluene	51		"	50.0		102	85-125		0.902	30	
sec-Butylbenzene	53		"	50.0		106	83-125		0.813	30	
Styrene	55		"	50.0		110	86-126		2.38	30	
tert-Butyl alcohol (TBA)	290		"	250		116	70-130		2.38	30	
tert-Butylbenzene	48		"	50.0		95.8	80-127		0.419	30	
Tetrachloroethylene	52		"	50.0		103	80-129		2.53	30	
Toluene	54		"	50.0		108	85-121		1.49	30	
trans-1,2-Dichloroethylene	55		"	50.0		111	72-132		0.452	30	
trans-1,3-Dichloropropylene	47		"	50.0		94.9	78-132		2.89	30	
Trichloroethylene	52		"	50.0		104	84-123		1.81	30	
Trichlorofluoromethane	45		"	50.0		91.0	62-140		2.43	30	
Vinyl Chloride	78		"	50.0		157	52-130	High Bias	1.75	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	40.1		"	50.0		80.3	77-125				
Surrogate: SURR: Toluene-d8	49.7		"	50.0		99.4	85-120				
Surrogate: SURR: p-Bromofluorobenzene	43.9		"	50.0		87.8	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI00759 - EPA 5030B

Blank (BI00759-BLK1)

Blank

Prepared & Analyzed: 09/15/2020

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	80	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI00759 - EPA 5030B

Blank (BI00759-BLK1)	Blank	Prepared & Analyzed: 09/15/2020									
n-Propylbenzene	ND	0.50	ug/L								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
<hr/>											
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>10.4</i>		<i>"</i>	<i>10.0</i>		<i>104</i>	<i>69-130</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>	<i>81-117</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>9.97</i>		<i>"</i>	<i>10.0</i>		<i>99.7</i>	<i>79-122</i>				

LCS (BI00759-BS1)	LCS	Prepared & Analyzed: 09/15/2020									
1,1,1,2-Tetrachloroethane	10		ug/L	10.0		105	82-126				
1,1,1-Trichloroethane	10		"	10.0		104	78-136				
1,1,2,2-Tetrachloroethane	9.6		"	10.0		95.9	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		105	54-165				
1,1,2-Trichloroethane	9.3		"	10.0		93.0	82-123				
1,1-Dichloroethane	9.2		"	10.0		91.7	82-129				
1,1-Dichloroethylene	10		"	10.0		99.7	68-138				
1,2,3-Trichlorobenzene	9.4		"	10.0		94.1	76-136				
1,2,3-Trichloropropane	11		"	10.0		108	77-128				
1,2,4-Trichlorobenzene	10		"	10.0		102	76-137				
1,2,4-Trimethylbenzene	11		"	10.0		114	82-132				
1,2-Dibromo-3-chloropropane	9.7		"	10.0		97.3	45-147				
1,2-Dibromoethane	9.5		"	10.0		95.1	83-124				
1,2-Dichlorobenzene	11		"	10.0		108	79-123				
1,2-Dichloroethane	9.2		"	10.0		91.5	73-132				
1,2-Dichloropropane	9.4		"	10.0		94.0	78-126				
1,3,5-Trimethylbenzene	12		"	10.0		115	80-131				
1,3-Dichlorobenzene	11		"	10.0		109	86-122				
1,4-Dichlorobenzene	11		"	10.0		106	85-124				
1,4-Dioxane	210		"	210		102	10-349				
2-Butanone	7.4		"	10.0		74.0	49-152				
2-Hexanone	8.0		"	10.0		80.1	51-146				
4-Methyl-2-pentanone	7.4		"	10.0		74.5	57-145				
Acetone	7.9		"	10.0		78.6	14-150				
Acrolein	5.3		"	10.0		52.8	10-153				
Acrylonitrile	7.7		"	10.0		76.7	51-150				
Benzene	9.4		"	10.0		94.5	85-126				
Bromochloromethane	8.1		"	10.0		80.6	77-128				
Bromodichloromethane	10		"	10.0		101	79-128				
Bromoform	9.0		"	10.0		90.3	78-133				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BI00759 - EPA 5030B

LCS (BI00759-BS1)	LCS	Prepared & Analyzed: 09/15/2020										
Bromomethane	4.8		ug/L	10.0		47.5		43-168				
Carbon disulfide	10		"	10.0		100		68-146				
Carbon tetrachloride	11		"	10.0		106		77-141				
Chlorobenzene	10		"	10.0		102		88-120				
Chloroethane	12		"	10.0		122		65-136				
Chloroform	9.8		"	10.0		97.6		82-128				
Chloromethane	8.7		"	10.0		86.7		43-155				
cis-1,2-Dichloroethylene	9.6		"	10.0		96.3		83-129				
cis-1,3-Dichloropropylene	9.8		"	10.0		97.9		80-131				
Cyclohexane	9.9		"	10.0		99.3		63-149				
Dibromochloromethane	10		"	10.0		100		80-130				
Dibromomethane	9.1		"	10.0		90.9		72-134				
Dichlorodifluoromethane	11		"	10.0		114		44-144				
Ethyl Benzene	11		"	10.0		110		80-131				
Hexachlorobutadiene	11		"	10.0		110		67-146				
Isopropylbenzene	11		"	10.0		114		76-140				
Methyl acetate	7.4		"	10.0		74.5		51-139				
Methyl tert-butyl ether (MTBE)	8.8		"	10.0		88.3		76-135				
Methylcyclohexane	11		"	10.0		108		72-143				
Methylene chloride	8.4		"	10.0		84.0		55-137				
n-Butylbenzene	11		"	10.0		113		79-132				
n-Propylbenzene	11		"	10.0		114		78-133				
o-Xylene	11		"	10.0		106		78-130				
p- & m- Xylenes	22		"	20.0		109		77-133				
p-Isopropyltoluene	12		"	10.0		116		81-136				
sec-Butylbenzene	12		"	10.0		119		79-137				
Styrene	11		"	10.0		106		67-132				
tert-Butyl alcohol (TBA)	32		"	50.0		63.9		25-162				
tert-Butylbenzene	10		"	10.0		102		77-138				
Tetrachloroethylene	11		"	10.0		111		82-131				
Toluene	10		"	10.0		104		80-127				
trans-1,2-Dichloroethylene	10		"	10.0		99.6		80-132				
trans-1,3-Dichloropropylene	9.3		"	10.0		93.0		78-131				
Trichloroethylene	11		"	10.0		108		82-128				
Trichlorofluoromethane	12		"	10.0		116		67-139				
Vinyl Chloride	10		"	10.0		102		58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	9.65		"	10.0		96.5		69-130				
Surrogate: SURR: Toluene-d8	10.4		"	10.0		104		81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.3		"	10.0		103		79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00759 - EPA 5030B											
LCS Dup (BI00759-BSD1)	LCS Dup		Prepared & Analyzed: 09/15/2020								
1,1,1,2-Tetrachloroethane	10		ug/L	10.0		101	82-126		3.59	30	
1,1,1-Trichloroethane	9.8		"	10.0		97.9	78-136		6.04	30	
1,1,2,2-Tetrachloroethane	10		"	10.0		102	76-129		6.36	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.9		"	10.0		98.6	54-165		6.38	30	
1,1,2-Trichloroethane	9.5		"	10.0		94.7	82-123		1.81	30	
1,1-Dichloroethane	9.0		"	10.0		89.6	82-129		2.32	30	
1,1-Dichloroethylene	9.4		"	10.0		94.2	68-138		5.67	30	
1,2,3-Trichlorobenzene	9.5		"	10.0		95.2	76-136		1.16	30	
1,2,3-Trichloropropane	11		"	10.0		110	77-128		1.66	30	
1,2,4-Trichlorobenzene	10		"	10.0		101	76-137		1.08	30	
1,2,4-Trimethylbenzene	11		"	10.0		106	82-132		7.72	30	
1,2-Dibromo-3-chloropropane	10		"	10.0		99.6	45-147		2.34	30	
1,2-Dibromoethane	9.9		"	10.0		99.1	83-124		4.12	30	
1,2-Dichlorobenzene	10		"	10.0		104	79-123		4.26	30	
1,2-Dichloroethane	9.5		"	10.0		95.1	73-132		3.86	30	
1,2-Dichloropropane	9.0		"	10.0		89.7	78-126		4.68	30	
1,3,5-Trimethylbenzene	11		"	10.0		107	80-131		7.37	30	
1,3-Dichlorobenzene	10		"	10.0		104	86-122		5.08	30	
1,4-Dichlorobenzene	10		"	10.0		103	85-124		3.54	30	
1,4-Dioxane	210		"	210		102	10-349		0.154	30	
2-Butanone	9.4		"	10.0		94.3	49-152		24.1	30	
2-Hexanone	8.7		"	10.0		86.9	51-146		8.14	30	
4-Methyl-2-pentanone	8.3		"	10.0		82.6	57-145		10.3	30	
Acetone	8.5		"	10.0		85.3	14-150		8.18	30	
Acrolein	5.3		"	10.0		53.4	10-153		1.13	30	
Acrylonitrile	8.2		"	10.0		81.6	51-150		6.19	30	
Benzene	9.2		"	10.0		91.9	85-126		2.79	30	
Bromochloromethane	8.3		"	10.0		82.7	77-128		2.57	30	
Bromodichloromethane	9.7		"	10.0		97.2	79-128		3.44	30	
Bromoform	9.7		"	10.0		96.8	78-133		6.95	30	
Bromomethane	5.4		"	10.0		53.5	43-168		11.9	30	
Carbon disulfide	9.4		"	10.0		94.3	68-146		6.27	30	
Carbon tetrachloride	10		"	10.0		100	77-141		5.33	30	
Chlorobenzene	9.9		"	10.0		98.9	88-120		2.59	30	
Chloroethane	11		"	10.0		113	65-136		7.07	30	
Chloroform	9.5		"	10.0		94.6	82-128		3.12	30	
Chloromethane	8.1		"	10.0		80.6	43-155		7.29	30	
cis-1,2-Dichloroethylene	9.3		"	10.0		92.6	83-129		3.92	30	
cis-1,3-Dichloropropylene	9.9		"	10.0		98.8	80-131		0.915	30	
Cyclohexane	9.3		"	10.0		92.7	63-149		6.87	30	
Dibromochloromethane	10		"	10.0		101	80-130		1.09	30	
Dibromomethane	9.3		"	10.0		93.4	72-134		2.71	30	
Dichlorodifluoromethane	11		"	10.0		108	44-144		4.50	30	
Ethyl Benzene	10		"	10.0		104	80-131		5.90	30	
Hexachlorobutadiene	9.9		"	10.0		99.4	67-146		9.76	30	
Isopropylbenzene	10		"	10.0		103	76-140		10.0	30	
Methyl acetate	8.1		"	10.0		80.6	51-139		7.87	30	
Methyl tert-butyl ether (MTBE)	9.7		"	10.0		96.7	76-135		9.08	30	
Methylcyclohexane	10		"	10.0		100	72-143		7.59	30	
Methylene chloride	8.5		"	10.0		85.3	55-137		1.54	30	
n-Butylbenzene	11		"	10.0		106	79-132		6.84	30	



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI00759 - EPA 5030B

LCS Dup (BI00759-BSD1)	LCS Dup	Prepared & Analyzed: 09/15/2020									
n-Propylbenzene	10		ug/L	10.0		103	78-133		9.60	30	
o-Xylene	10		"	10.0		101	78-130		5.22	30	
p- & m- Xylenes	21		"	20.0		103	77-133		5.48	30	
p-Isopropyltoluene	11		"	10.0		106	81-136		9.28	30	
sec-Butylbenzene	11		"	10.0		109	79-137		8.92	30	
Styrene	10		"	10.0		103	67-132		2.50	30	
tert-Butyl alcohol (TBA)	39		"	50.0		78.6	25-162		20.7	30	
tert-Butylbenzene	9.2		"	10.0		91.8	77-138		11.0	30	
Tetrachloroethylene	10		"	10.0		102	82-131		8.06	30	
Toluene	9.8		"	10.0		98.3	80-127		5.35	30	
trans-1,2-Dichloroethylene	9.3		"	10.0		92.9	80-132		6.96	30	
trans-1,3-Dichloropropylene	9.5		"	10.0		95.1	78-131		2.23	30	
Trichloroethylene	9.9		"	10.0		98.6	82-128		9.47	30	
Trichlorofluoromethane	11		"	10.0		106	67-139		8.37	30	
Vinyl Chloride	9.5		"	10.0		95.0	58-145		7.11	30	
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>		<i>10.6</i>	<i>"</i>	<i>10.0</i>		<i>106</i>	<i>69-130</i>				
<i>Surrogate: SURR: Toluene-d8</i>		<i>10.2</i>	<i>"</i>	<i>10.0</i>		<i>102</i>	<i>81-117</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>		<i>10.1</i>	<i>"</i>	<i>10.0</i>		<i>101</i>	<i>79-122</i>				

Batch BI00760 - EPA 5030B

Blank (BI00760-BLK1)	Blank	Prepared: 09/11/2020 Analyzed: 09/12/2020									
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	80	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BI00760 - EPA 5030B

Blank (BI00760-BLK1) Blank Prepared: 09/11/2020 Analyzed: 09/12/2020

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

<i>Surrogate: Surr: 1,2-Dichloroethane-d4</i>	10.5		"	10.0		105	69-130				
<i>Surrogate: Surr: Toluene-d8</i>	10.0		"	10.0		100	81-117				
<i>Surrogate: Surr: p-Bromofluorobenzene</i>	9.75		"	10.0		97.5	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BI00760 - EPA 5030B

LCS (BI00760-BS1)	LCS										
											Prepared & Analyzed: 09/11/2020
1,1,1,2-Tetrachloroethane	11		ug/L	10.0		109		82-126			
1,1,1-Trichloroethane	11		"	10.0		110		78-136			
1,1,2,2-Tetrachloroethane	10		"	10.0		104		76-129			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		110		54-165			
1,1,2-Trichloroethane	10		"	10.0		102		82-123			
1,1-Dichloroethane	10		"	10.0		99.6		82-129			
1,1-Dichloroethylene	11		"	10.0		108		68-138			
1,2,3-Trichlorobenzene	10		"	10.0		101		76-136			
1,2,3-Trichloropropane	11		"	10.0		106		77-128			
1,2,4-Trichlorobenzene	10		"	10.0		104		76-137			
1,2,4-Trimethylbenzene	11		"	10.0		112		82-132			
1,2-Dibromo-3-chloropropane	10		"	10.0		102		45-147			
1,2-Dibromoethane	10		"	10.0		104		83-124			
1,2-Dichlorobenzene	11		"	10.0		110		79-123			
1,2-Dichloroethane	10		"	10.0		105		73-132			
1,2-Dichloropropane	10		"	10.0		101		78-126			
1,3,5-Trimethylbenzene	11		"	10.0		112		80-131			
1,3-Dichlorobenzene	11		"	10.0		108		86-122			
1,4-Dichlorobenzene	11		"	10.0		111		85-124			
1,4-Dioxane	210		"	210		101		10-349			
2-Butanone	9.0		"	10.0		90.1		49-152			
2-Hexanone	9.7		"	10.0		96.9		51-146			
4-Methyl-2-pentanone	9.1		"	10.0		90.8		57-145			
Acetone	10		"	10.0		101		14-150			
Acrolein	5.6		"	10.0		55.8		10-153			
Acrylonitrile	8.9		"	10.0		88.7		51-150			
Benzene	10		"	10.0		105		85-126			
Bromochloromethane	9.4		"	10.0		93.6		77-128			
Bromodichloromethane	11		"	10.0		107		79-128			
Bromoform	10		"	10.0		104		78-133			
Bromomethane	5.5		"	10.0		55.4		43-168			
Carbon disulfide	11		"	10.0		106		68-146			
Carbon tetrachloride	11		"	10.0		112		77-141			
Chlorobenzene	11		"	10.0		107		88-120			
Chloroethane	13		"	10.0		128		65-136			
Chloroform	11		"	10.0		107		82-128			
Chloromethane	9.1		"	10.0		91.3		43-155			
cis-1,2-Dichloroethylene	10		"	10.0		104		83-129			
cis-1,3-Dichloropropylene	10		"	10.0		104		80-131			
Cyclohexane	11		"	10.0		109		63-149			
Dibromochloromethane	11		"	10.0		107		80-130			
Dibromomethane	9.9		"	10.0		99.1		72-134			
Dichlorodifluoromethane	13		"	10.0		126		44-144			
Ethyl Benzene	11		"	10.0		112		80-131			
Hexachlorobutadiene	11		"	10.0		110		67-146			
Isopropylbenzene	11		"	10.0		109		76-140			
Methyl acetate	8.7		"	10.0		86.8		51-139			
Methyl tert-butyl ether (MTBE)	10		"	10.0		104		76-135			
Methylcyclohexane	11		"	10.0		113		72-143			
Methylene chloride	9.7		"	10.0		96.7		55-137			
n-Butylbenzene	11		"	10.0		114		79-132			



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00760 - EPA 5030B											
LCS (BI00760-BS1)	LCS										Prepared & Analyzed: 09/11/2020
n-Propylbenzene	11		ug/L	10.0		109	78-133				
o-Xylene	11		"	10.0		111	78-130				
p- & m- Xylenes	23		"	20.0		113	77-133				
p-Isopropyltoluene	11		"	10.0		113	81-136				
sec-Butylbenzene	11		"	10.0		114	79-137				
Styrene	11		"	10.0		111	67-132				
tert-Butyl alcohol (TBA)	40		"	50.0		80.4	25-162				
tert-Butylbenzene	9.6		"	10.0		96.5	77-138				
Tetrachloroethylene	11		"	10.0		112	82-131				
Toluene	11		"	10.0		110	80-127				
trans-1,2-Dichloroethylene	11		"	10.0		105	80-132				
trans-1,3-Dichloropropylene	10		"	10.0		101	78-131				
Trichloroethylene	11		"	10.0		111	82-128				
Trichlorofluoromethane	12		"	10.0		120	67-139				
Vinyl Chloride	11		"	10.0		108	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	10.7		"	10.0		107	69-130				
Surrogate: SURR: Toluene-d8	10.0		"	10.0		100	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.98		"	10.0		99.8	79-122				
LCS Dup (BI00760-BSD1)	LCS Dup										Prepared & Analyzed: 09/11/2020
1,1,1,2-Tetrachloroethane	11		ug/L	10.0		106	82-126		2.88	30	
1,1,1-Trichloroethane	11		"	10.0		106	78-136		3.69	30	
1,1,2,2-Tetrachloroethane	10		"	10.0		99.6	76-129		4.13	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10		"	10.0		103	54-165		6.46	30	
1,1,2-Trichloroethane	10		"	10.0		103	82-123		0.195	30	
1,1-Dichloroethane	9.8		"	10.0		98.2	82-129		1.42	30	
1,1-Dichloroethylene	10		"	10.0		102	68-138		5.61	30	
1,2,3-Trichlorobenzene	9.6		"	10.0		95.7	76-136		5.49	30	
1,2,3-Trichloropropane	11		"	10.0		109	77-128		2.14	30	
1,2,4-Trichlorobenzene	10		"	10.0		101	76-137		2.54	30	
1,2,4-Trimethylbenzene	10		"	10.0		104	82-132		7.40	30	
1,2-Dibromo-3-chloropropane	9.4		"	10.0		94.5	45-147		7.34	30	
1,2-Dibromoethane	10		"	10.0		104	83-124		0.481	30	
1,2-Dichlorobenzene	11		"	10.0		107	79-123		2.49	30	
1,2-Dichloroethane	11		"	10.0		106	73-132		1.05	30	
1,2-Dichloropropane	9.5		"	10.0		95.0	78-126		6.12	30	
1,3,5-Trimethylbenzene	10		"	10.0		104	80-131		7.02	30	
1,3-Dichlorobenzene	10		"	10.0		103	86-122		4.74	30	
1,4-Dichlorobenzene	10		"	10.0		101	85-124		9.06	30	
1,4-Dioxane	240		"	210		115	10-349		12.5	30	
2-Butanone	10		"	10.0		102	49-152		11.9	30	
2-Hexanone	9.7		"	10.0		97.3	51-146		0.412	30	
4-Methyl-2-pentanone	9.2		"	10.0		92.3	57-145		1.64	30	
Acetone	9.6		"	10.0		95.7	14-150		5.19	30	
Acrolein	5.2		"	10.0		52.2	10-153		6.67	30	
Acrylonitrile	8.8		"	10.0		87.7	51-150		1.13	30	
Benzene	10		"	10.0		99.8	85-126		4.89	30	
Bromochloromethane	9.4		"	10.0		93.7	77-128		0.107	30	
Bromodichloromethane	10		"	10.0		102	79-128		4.61	30	
Bromoform	10		"	10.0		102	78-133		2.14	30	
Bromomethane	5.6		"	10.0		55.8	43-168		0.719	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	
		Limit			Result					RPD	Limit
Batch BI00760 - EPA 5030B											
LCS Dup (BI00760-BSD1)	LCS Dup	Prepared & Analyzed: 09/11/2020									
Carbon disulfide	10		ug/L	10.0		101	68-146			4.72	30
Carbon tetrachloride	11		"	10.0		106	77-141			6.06	30
Chlorobenzene	10		"	10.0		103	88-120			4.09	30
Chloroethane	12		"	10.0		124	65-136			3.57	30
Chloroform	10		"	10.0		103	82-128			3.05	30
Chloromethane	8.9		"	10.0		89.1	43-155			2.44	30
cis-1,2-Dichloroethylene	10		"	10.0		101	83-129			2.63	30
cis-1,3-Dichloropropylene	9.9		"	10.0		98.6	80-131			5.62	30
Cyclohexane	10		"	10.0		105	63-149			3.37	30
Dibromochloromethane	11		"	10.0		105	80-130			1.69	30
Dibromomethane	9.7		"	10.0		97.2	72-134			1.94	30
Dichlorodifluoromethane	12		"	10.0		121	44-144			4.13	30
Ethyl Benzene	11		"	10.0		106	80-131			5.58	30
Hexachlorobutadiene	10		"	10.0		102	67-146			7.27	30
Isopropylbenzene	10		"	10.0		100	76-140			8.11	30
Methyl acetate	8.7		"	10.0		86.8	51-139			0.00	30
Methyl tert-butyl ether (MTBE)	10		"	10.0		104	76-135			0.00	30
Methylcyclohexane	10		"	10.0		104	72-143			8.41	30
Methylene chloride	9.3		"	10.0		92.8	55-137			4.12	30
n-Butylbenzene	10		"	10.0		104	79-132			8.71	30
n-Propylbenzene	10		"	10.0		100	78-133			7.94	30
o-Xylene	11		"	10.0		106	78-130			4.33	30
p- & m- Xylenes	21		"	20.0		106	77-133			5.97	30
p-Isopropyltoluene	10		"	10.0		103	81-136			8.81	30
sec-Butylbenzene	11		"	10.0		106	79-137			7.16	30
Styrene	11		"	10.0		108	67-132			3.47	30
tert-Butyl alcohol (TBA)	43		"	50.0		86.1	25-162			6.78	30
tert-Butylbenzene	9.0		"	10.0		90.1	77-138			6.86	30
Tetrachloroethylene	11		"	10.0		107	82-131			5.29	30
Toluene	10		"	10.0		102	80-127			6.99	30
trans-1,2-Dichloroethylene	10		"	10.0		103	80-132			1.92	30
trans-1,3-Dichloropropylene	10		"	10.0		99.5	78-131			1.50	30
Trichloroethylene	10		"	10.0		102	82-128			8.23	30
Trichlorofluoromethane	11		"	10.0		114	67-139			5.72	30
Vinyl Chloride	10		"	10.0		104	58-145			3.76	30
Surrogate: SURR: 1,2-Dichloroethane-d4	10.8		"	10.0		108	69-130				
Surrogate: SURR: Toluene-d8	10.1		"	10.0		101	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.78		"	10.0		97.8	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI00761 - EPA 5030B

Blank (BI00761-BLK1)

Blank

Prepared: 09/11/2020 Analyzed: 09/15/2020

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	80	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI00761 - EPA 5030B

Blank (BI00761-BLK1)	Blank	Prepared: 09/11/2020 Analyzed: 09/15/2020									
n-Propylbenzene	ND	0.50	ug/L								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
<hr/>											
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>	<i>69-130</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>10.3</i>		<i>"</i>	<i>10.0</i>		<i>103</i>	<i>81-117</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>	<i>79-122</i>				

LCS (BI00761-BS1)	LCS	Prepared: 09/11/2020 Analyzed: 09/14/2020									
1,1,1,2-Tetrachloroethane	10		ug/L	10.0		102	82-126				
1,1,1-Trichloroethane	9.9		"	10.0		98.6	78-136				
1,1,2,2-Tetrachloroethane	9.7		"	10.0		97.4	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10		"	10.0		103	54-165				
1,1,2-Trichloroethane	9.9		"	10.0		98.6	82-123				
1,1-Dichloroethane	9.0		"	10.0		90.1	82-129				
1,1-Dichloroethylene	9.8		"	10.0		97.6	68-138				
1,2,3-Trichlorobenzene	9.2		"	10.0		91.8	76-136				
1,2,3-Trichloropropane	10		"	10.0		102	77-128				
1,2,4-Trichlorobenzene	9.8		"	10.0		97.7	76-137				
1,2,4-Trimethylbenzene	11		"	10.0		107	82-132				
1,2-Dibromo-3-chloropropane	9.7		"	10.0		97.4	45-147				
1,2-Dibromoethane	9.6		"	10.0		96.4	83-124				
1,2-Dichlorobenzene	10		"	10.0		104	79-123				
1,2-Dichloroethane	9.6		"	10.0		95.6	73-132				
1,2-Dichloropropane	9.2		"	10.0		91.7	78-126				
1,3,5-Trimethylbenzene	11		"	10.0		105	80-131				
1,3-Dichlorobenzene	10		"	10.0		101	86-122				
1,4-Dichlorobenzene	10		"	10.0		101	85-124				
1,4-Dioxane	210		"	210		98.9	10-349				
2-Butanone	8.9		"	10.0		88.8	49-152				
2-Hexanone	8.8		"	10.0		88.2	51-146				
4-Methyl-2-pentanone	8.1		"	10.0		81.1	57-145				
Acetone	9.5		"	10.0		94.6	14-150				
Acrolein	5.5		"	10.0		55.0	10-153				
Acrylonitrile	8.0		"	10.0		80.5	51-150				
Benzene	9.3		"	10.0		93.3	85-126				
Bromochloromethane	8.1		"	10.0		81.4	77-128				
Bromodichloromethane	9.8		"	10.0		97.6	79-128				
Bromoform	9.1		"	10.0		91.3	78-133				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI00761 - EPA 5030B

LCS (BI00761-BS1)	LCS	Prepared: 09/11/2020 Analyzed: 09/14/2020									
Bromomethane	5.5		ug/L	10.0		54.6	43-168				
Carbon disulfide	9.6		"	10.0		96.4	68-146				
Carbon tetrachloride	9.9		"	10.0		99.2	77-141				
Chlorobenzene	10		"	10.0		101	88-120				
Chloroethane	11		"	10.0		112	65-136				
Chloroform	9.6		"	10.0		95.9	82-128				
Chloromethane	8.0		"	10.0		80.2	43-155				
cis-1,2-Dichloroethylene	9.2		"	10.0		92.4	83-129				
cis-1,3-Dichloropropylene	9.9		"	10.0		98.7	80-131				
Cyclohexane	9.5		"	10.0		94.7	63-149				
Dibromochloromethane	10		"	10.0		100	80-130				
Dibromomethane	9.4		"	10.0		94.0	72-134				
Dichlorodifluoromethane	12		"	10.0		116	44-144				
Ethyl Benzene	11		"	10.0		105	80-131				
Hexachlorobutadiene	10		"	10.0		102	67-146				
Isopropylbenzene	10		"	10.0		103	76-140				
Methyl acetate	8.1		"	10.0		81.4	51-139				
Methyl tert-butyl ether (MTBE)	9.5		"	10.0		95.0	76-135				
Methylcyclohexane	10		"	10.0		102	72-143				
Methylene chloride	8.7		"	10.0		87.1	55-137				
n-Butylbenzene	11		"	10.0		107	79-132				
n-Propylbenzene	10		"	10.0		103	78-133				
o-Xylene	10		"	10.0		102	78-130				
p- & m- Xylenes	21		"	20.0		105	77-133				
p-Isopropyltoluene	11		"	10.0		105	81-136				
sec-Butylbenzene	11		"	10.0		108	79-137				
Styrene	11		"	10.0		105	67-132				
tert-Butyl alcohol (TBA)	38		"	50.0		76.1	25-162				
tert-Butylbenzene	9.2		"	10.0		91.5	77-138				
Tetrachloroethylene	11		"	10.0		106	82-131				
Toluene	10		"	10.0		100	80-127				
trans-1,2-Dichloroethylene	9.5		"	10.0		95.0	80-132				
trans-1,3-Dichloropropylene	9.7		"	10.0		96.9	78-131				
Trichloroethylene	10		"	10.0		103	82-128				
Trichlorofluoromethane	11		"	10.0		107	67-139				
Vinyl Chloride	9.7		"	10.0		97.3	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	10.2		"	10.0		102	69-130				
Surrogate: SURR: Toluene-d8	10.5		"	10.0		105	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.1		"	10.0		101	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00761 - EPA 5030B											
LCS Dup (BI00761-BSD1)	LCS Dup										Prepared: 09/11/2020 Analyzed: 09/14/2020
1,1,1,2-Tetrachloroethane	9.9		ug/L	10.0		99.1	82-126		2.98	30	
1,1,1-Trichloroethane	9.6		"	10.0		96.0	78-136		2.67	30	
1,1,2,2-Tetrachloroethane	9.8		"	10.0		97.6	76-129		0.205	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.7		"	10.0		96.7	54-165		6.21	30	
1,1,2-Trichloroethane	9.8		"	10.0		97.6	82-123		1.02	30	
1,1-Dichloroethane	8.9		"	10.0		89.0	82-129		1.23	30	
1,1-Dichloroethylene	9.2		"	10.0		92.4	68-138		5.47	30	
1,2,3-Trichlorobenzene	9.3		"	10.0		92.8	76-136		1.08	30	
1,2,3-Trichloropropane	11		"	10.0		107	77-128		4.97	30	
1,2,4-Trichlorobenzene	9.6		"	10.0		96.2	76-137		1.55	30	
1,2,4-Trimethylbenzene	10		"	10.0		101	82-132		5.29	30	
1,2-Dibromo-3-chloropropane	8.5		"	10.0		85.1	45-147		13.5	30	
1,2-Dibromoethane	9.8		"	10.0		97.6	83-124		1.24	30	
1,2-Dichlorobenzene	10		"	10.0		102	79-123		2.13	30	
1,2-Dichloroethane	9.6		"	10.0		96.1	73-132		0.522	30	
1,2-Dichloropropane	9.0		"	10.0		90.5	78-126		1.32	30	
1,3,5-Trimethylbenzene	10		"	10.0		101	80-131		4.17	30	
1,3-Dichlorobenzene	9.9		"	10.0		98.8	86-122		1.81	30	
1,4-Dichlorobenzene	10		"	10.0		100	85-124		0.299	30	
1,4-Dioxane	240		"	210		114	10-349		14.4	30	
2-Butanone	9.5		"	10.0		94.7	49-152		6.43	30	
2-Hexanone	9.2		"	10.0		92.1	51-146		4.33	30	
4-Methyl-2-pentanone	8.8		"	10.0		88.1	57-145		8.27	30	
Acetone	9.7		"	10.0		96.7	14-150		2.20	30	
Acrolein	6.2		"	10.0		62.3	10-153		12.4	30	
Acrylonitrile	8.2		"	10.0		81.5	51-150		1.23	30	
Benzene	9.2		"	10.0		91.7	85-126		1.73	30	
Bromochloromethane	8.5		"	10.0		84.8	77-128		4.09	30	
Bromodichloromethane	9.6		"	10.0		96.0	79-128		1.65	30	
Bromoform	9.6		"	10.0		95.8	78-133		4.81	30	
Bromomethane	5.7		"	10.0		57.2	43-168		4.65	30	
Carbon disulfide	9.4		"	10.0		93.6	68-146		2.95	30	
Carbon tetrachloride	9.6		"	10.0		95.7	77-141		3.59	30	
Chlorobenzene	9.6		"	10.0		96.5	88-120		4.26	30	
Chloroethane	11		"	10.0		110	65-136		2.44	30	
Chloroform	9.4		"	10.0		94.1	82-128		1.89	30	
Chloromethane	7.8		"	10.0		78.3	43-155		2.40	30	
cis-1,2-Dichloroethylene	9.3		"	10.0		93.4	83-129		1.08	30	
cis-1,3-Dichloropropylene	9.7		"	10.0		96.6	80-131		2.15	30	
Cyclohexane	9.0		"	10.0		89.6	63-149		5.53	30	
Dibromochloromethane	10		"	10.0		101	80-130		0.894	30	
Dibromomethane	9.4		"	10.0		93.7	72-134		0.320	30	
Dichlorodifluoromethane	11		"	10.0		109	44-144		5.97	30	
Ethyl Benzene	9.9		"	10.0		99.2	80-131		5.78	30	
Hexachlorobutadiene	9.3		"	10.0		92.9	67-146		9.24	30	
Isopropylbenzene	9.8		"	10.0		97.5	76-140		5.87	30	
Methyl acetate	8.3		"	10.0		82.8	51-139		1.71	30	
Methyl tert-butyl ether (MTBE)	9.9		"	10.0		99.1	76-135		4.22	30	
Methylcyclohexane	9.6		"	10.0		95.7	72-143		6.28	30	
Methylene chloride	8.7		"	10.0		86.9	55-137		0.230	30	
n-Butylbenzene	9.5		"	10.0		95.4	79-132		11.8	30	



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

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

Batch BI00761 - EPA 5030B

LCS Dup (BI00761-BSD1)	LCS Dup	Prepared: 09/11/2020 Analyzed: 09/14/2020											
n-Propylbenzene	9.7		ug/L	10.0		96.8	78-133			6.21	30		
o-Xylene	9.8		"	10.0		98.2	78-130			3.80	30		
p- & m- Xylenes	20		"	20.0		100	77-133			4.87	30		
p-Isopropyltoluene	10		"	10.0		99.8	81-136			5.36	30		
sec-Butylbenzene	10		"	10.0		102	79-137			5.69	30		
Styrene	10		"	10.0		102	67-132			3.38	30		
tert-Butyl alcohol (TBA)	40		"	50.0		80.9	25-162			6.22	30		
tert-Butylbenzene	8.6		"	10.0		86.4	77-138			5.73	30		
Tetrachloroethylene	9.7		"	10.0		96.9	82-131			8.69	30		
Toluene	9.5		"	10.0		95.1	80-127			5.42	30		
trans-1,2-Dichloroethylene	9.2		"	10.0		92.4	80-132			2.77	30		
trans-1,3-Dichloropropylene	9.5		"	10.0		95.3	78-131			1.66	30		
Trichloroethylene	9.7		"	10.0		97.0	82-128			6.39	30		
Trichlorofluoromethane	10		"	10.0		101	67-139			5.56	30		
Vinyl Chloride	9.1		"	10.0		91.3	58-145			6.36	30		
Surrogate: SURR: 1,2-Dichloroethane-d4	10.7		"	10.0		107	69-130						
Surrogate: SURR: Toluene-d8	10.2		"	10.0		102	81-117						
Surrogate: SURR: p-Bromofluorobenzene	10.1		"	10.0		101	79-122						

Batch BI00884 - EPA 5035A

Blank (BI00884-BLK1)	Blank	Prepared & Analyzed: 09/16/2020											
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet										
1,1,1-Trichloroethane	ND	5.0	"										
1,1,2,2-Tetrachloroethane	ND	5.0	"										
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"										
1,1,2-Trichloroethane	ND	5.0	"										
1,1-Dichloroethane	ND	5.0	"										
1,1-Dichloroethylene	ND	5.0	"										
1,2,3-Trichlorobenzene	ND	5.0	"										
1,2,3-Trichloropropane	ND	5.0	"										
1,2,4-Trichlorobenzene	ND	5.0	"										
1,2,4-Trimethylbenzene	ND	5.0	"										
1,2-Dibromo-3-chloropropane	ND	5.0	"										
1,2-Dibromoethane	ND	5.0	"										
1,2-Dichlorobenzene	ND	5.0	"										
1,2-Dichloroethane	ND	5.0	"										
1,2-Dichloropropane	ND	5.0	"										
1,3,5-Trimethylbenzene	ND	5.0	"										
1,3-Dichlorobenzene	ND	5.0	"										
1,4-Dichlorobenzene	ND	5.0	"										
1,4-Dioxane	ND	100	"										
2-Butanone	ND	5.0	"										
2-Hexanone	ND	5.0	"										
4-Methyl-2-pentanone	ND	5.0	"										
Acetone	ND	10	"										
Acrolein	ND	10	"										
Acrylonitrile	ND	5.0	"										
Benzene	ND	5.0	"										
Bromochloromethane	ND	5.0	"										
Bromodichloromethane	ND	5.0	"										



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BI00884 - EPA 5035A

Blank (BI00884-BLK1) Blank Prepared & Analyzed: 09/16/2020

Bromoform	ND	5.0	ug/kg wet										
Bromomethane	ND	5.0	"										
Carbon disulfide	ND	5.0	"										
Carbon tetrachloride	ND	5.0	"										
Chlorobenzene	ND	5.0	"										
Chloroethane	ND	5.0	"										
Chloroform	ND	5.0	"										
Chloromethane	ND	5.0	"										
cis-1,2-Dichloroethylene	ND	5.0	"										
cis-1,3-Dichloropropylene	ND	5.0	"										
Cyclohexane	ND	5.0	"										
Dibromochloromethane	ND	5.0	"										
Dibromomethane	ND	5.0	"										
Dichlorodifluoromethane	ND	5.0	"										
Ethyl Benzene	ND	5.0	"										
Hexachlorobutadiene	ND	5.0	"										
Isopropylbenzene	ND	5.0	"										
Methyl acetate	ND	5.0	"										
Methyl tert-butyl ether (MTBE)	ND	5.0	"										
Methylcyclohexane	ND	5.0	"										
Methylene chloride	ND	10	"										
n-Butylbenzene	ND	5.0	"										
n-Propylbenzene	ND	5.0	"										
o-Xylene	ND	5.0	"										
p- & m- Xylenes	ND	10	"										
p-Isopropyltoluene	ND	5.0	"										
sec-Butylbenzene	ND	5.0	"										
Styrene	ND	5.0	"										
tert-Butyl alcohol (TBA)	ND	5.0	"										
tert-Butylbenzene	ND	5.0	"										
Tetrachloroethylene	ND	5.0	"										
Toluene	ND	5.0	"										
trans-1,2-Dichloroethylene	ND	5.0	"										
trans-1,3-Dichloropropylene	ND	5.0	"										
Trichloroethylene	ND	5.0	"										
Trichlorofluoromethane	ND	5.0	"										
Vinyl Chloride	ND	5.0	"										
Xylenes, Total	ND	15	"										

<i>Surrogate: SURRE: 1,2-Dichloroethane-d4</i>	51.7		ug/L	50.0		103	77-125						
<i>Surrogate: SURRE: Toluene-d8</i>	51.4		"	50.0		103	85-120						
<i>Surrogate: SURRE: p-Bromofluorobenzene</i>	49.1		"	50.0		98.3	76-130						



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI00884 - EPA 5035A

Blank (BI00884-BLK2)

Blank

Prepared & Analyzed: 09/16/2020

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



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI00884 - EPA 5035A

Blank (BI00884-BLK2)	Blank	Prepared & Analyzed: 09/16/2020									
n-Propylbenzene	ND	5.0	ug/kg wet								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butyl alcohol (TBA)	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	52.6		ug/L	50.0		105	77-125				
Surrogate: SURR: Toluene-d8	51.5		"	50.0		103	85-120				
Surrogate: SURR: p-Bromofluorobenzene	48.4		"	50.0		96.8	76-130				

LCS (BI00884-BS1)	LCS	Prepared & Analyzed: 09/16/2020									
1,1,1,2-Tetrachloroethane	44		ug/L	50.0		87.3	75-129				
1,1,1-Trichloroethane	44		"	50.0		88.5	71-137				
1,1,2,2-Tetrachloroethane	44		"	50.0		87.3	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	46		"	50.0		92.9	58-146				
1,1,2-Trichloroethane	43		"	50.0		85.3	83-123				
1,1-Dichloroethane	41		"	50.0		82.0	75-130				
1,1-Dichloroethylene	45		"	50.0		90.1	64-137				
1,2,3-Trichlorobenzene	47		"	50.0		94.8	81-140				
1,2,3-Trichloropropane	44		"	50.0		88.0	81-126				
1,2,4-Trichlorobenzene	50		"	50.0		101	80-141				
1,2,4-Trimethylbenzene	48		"	50.0		95.2	84-125				
1,2-Dibromo-3-chloropropane	42		"	50.0		85.0	74-142				
1,2-Dibromoethane	43		"	50.0		85.0	86-123			Low Bias	
1,2-Dichlorobenzene	45		"	50.0		90.7	85-122				
1,2-Dichloroethane	42		"	50.0		83.1	71-133				
1,2-Dichloropropane	40		"	50.0		79.8	81-122			Low Bias	
1,3,5-Trimethylbenzene	47		"	50.0		94.1	82-126				
1,3-Dichlorobenzene	46		"	50.0		92.4	84-124				
1,4-Dichlorobenzene	46		"	50.0		93.0	84-124				
1,4-Dioxane	980		"	1050		93.4	10-228				
2-Butanone	44		"	50.0		88.4	58-147				
2-Hexanone	40		"	50.0		80.7	70-139				
4-Methyl-2-pentanone	40		"	50.0		80.1	72-132				
Acetone	37		"	50.0		73.3	36-155				
Acrolein	22		"	50.0		43.5	10-238				
Acrylonitrile	40		"	50.0		79.8	66-141				
Benzene	43		"	50.0		86.9	77-127				
Bromochloromethane	39		"	50.0		77.9	74-129				
Bromodichloromethane	43		"	50.0		85.2	81-124				
Bromoform	43		"	50.0		85.2	80-136				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI00884 - EPA 5035A

LCS (BI00884-BS1)	LCS	Prepared & Analyzed: 09/16/2020									
Bromomethane	51		ug/L	50.0		101	32-177				
Carbon disulfide	45		"	50.0		89.2	10-136				
Carbon tetrachloride	45		"	50.0		89.7	66-143				
Chlorobenzene	44		"	50.0		88.2	86-120				
Chloroethane	67		"	50.0		133	51-142				
Chloroform	43		"	50.0		85.9	76-131				
Chloromethane	47		"	50.0		93.6	49-132				
cis-1,2-Dichloroethylene	43		"	50.0		85.1	74-132				
cis-1,3-Dichloropropylene	42		"	50.0		83.4	81-129				
Cyclohexane	42		"	50.0		84.2	70-130				
Dibromochloromethane	44		"	50.0		87.6	10-200				
Dibromomethane	41		"	50.0		81.8	83-124	Low Bias			
Dichlorodifluoromethane	67		"	50.0		133	28-158				
Ethyl Benzene	45		"	50.0		90.3	84-125				
Hexachlorobutadiene	49		"	50.0		98.6	83-133				
Isopropylbenzene	46		"	50.0		91.7	81-127				
Methyl acetate	34		"	50.0		69.0	41-143				
Methyl tert-butyl ether (MTBE)	42		"	50.0		83.7	74-131				
Methylcyclohexane	45		"	50.0		89.7	70-130				
Methylene chloride	41		"	50.0		81.9	57-141				
n-Butylbenzene	49		"	50.0		98.7	80-130				
n-Propylbenzene	46		"	50.0		92.0	74-136				
o-Xylene	44		"	50.0		87.8	83-123				
p- & m- Xylenes	90		"	100		90.2	82-128				
p-Isopropyltoluene	49		"	50.0		97.1	85-125				
sec-Butylbenzene	49		"	50.0		98.0	83-125				
Styrene	45		"	50.0		90.9	86-126				
tert-Butyl alcohol (TBA)	170		"	250		66.2	70-130	Low Bias			
tert-Butylbenzene	41		"	50.0		82.6	80-127				
Tetrachloroethylene	40		"	50.0		79.7	80-129	Low Bias			
Toluene	44		"	50.0		87.1	85-121				
trans-1,2-Dichloroethylene	44		"	50.0		87.9	72-132				
trans-1,3-Dichloropropylene	39		"	50.0		78.5	78-132				
Trichloroethylene	45		"	50.0		89.7	84-123				
Trichlorofluoromethane	53		"	50.0		107	62-140				
Vinyl Chloride	53		"	50.0		107	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	50.9		"	50.0		102	77-125				
Surrogate: SURR: Toluene-d8	51.3		"	50.0		103	85-120				
Surrogate: SURR: p-Bromofluorobenzene	49.9		"	50.0		99.8	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting		Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	
		Limit	Units						RPD	Limit
Batch BI00884 - EPA 5035A										
LCS Dup (BI00884-BSD1)	LCS Dup		Prepared & Analyzed: 09/16/2020							
1,1,1,2-Tetrachloroethane	49		ug/L	50.0		98.3	75-129		11.9	30
1,1,1-Trichloroethane	50		"	50.0		99.1	71-137		11.2	30
1,1,2,2-Tetrachloroethane	48		"	50.0		96.8	79-129		10.4	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	51		"	50.0		103	58-146		10.2	30
1,1,2-Trichloroethane	48		"	50.0		95.4	83-123		11.2	30
1,1-Dichloroethane	46		"	50.0		91.4	75-130		10.7	30
1,1-Dichloroethylene	50		"	50.0		99.2	64-137		9.55	30
1,2,3-Trichlorobenzene	53		"	50.0		106	81-140		10.9	30
1,2,3-Trichloropropane	50		"	50.0		99.7	81-126		12.5	30
1,2,4-Trichlorobenzene	56		"	50.0		111	80-141		9.81	30
1,2,4-Trimethylbenzene	52		"	50.0		104	84-125		8.93	30
1,2-Dibromo-3-chloropropane	47		"	50.0		94.9	74-142		11.0	30
1,2-Dibromoethane	49		"	50.0		97.1	86-123		13.2	30
1,2-Dichlorobenzene	50		"	50.0		99.1	85-122		8.79	30
1,2-Dichloroethane	48		"	50.0		95.3	71-133		13.7	30
1,2-Dichloropropane	45		"	50.0		89.3	81-122		11.2	30
1,3,5-Trimethylbenzene	52		"	50.0		103	82-126		9.38	30
1,3-Dichlorobenzene	51		"	50.0		102	84-124		10.0	30
1,4-Dichlorobenzene	51		"	50.0		102	84-124		9.16	30
1,4-Dioxane	990		"	1050		94.4	10-228		1.02	30
2-Butanone	49		"	50.0		98.6	58-147		10.9	30
2-Hexanone	44		"	50.0		87.8	70-139		8.45	30
4-Methyl-2-pentanone	44		"	50.0		87.5	72-132		8.78	30
Acetone	37		"	50.0		73.9	36-155		0.870	30
Acrolein	24		"	50.0		48.3	10-238		10.5	30
Acrylonitrile	45		"	50.0		90.5	66-141		12.5	30
Benzene	48		"	50.0		96.7	77-127		10.6	30
Bromochloromethane	44		"	50.0		88.5	74-129		12.7	30
Bromodichloromethane	48		"	50.0		96.3	81-124		12.3	30
Bromoform	49		"	50.0		98.6	80-136		14.7	30
Bromomethane	60		"	50.0		119	32-177		16.1	30
Carbon disulfide	50		"	50.0		99.8	10-136		11.2	30
Carbon tetrachloride	50		"	50.0		100	66-143		11.1	30
Chlorobenzene	49		"	50.0		97.6	86-120		10.1	30
Chloroethane	75		"	50.0		151	51-142	High Bias	12.2	30
Chloroform	49		"	50.0		97.6	76-131		12.8	30
Chloromethane	53		"	50.0		106	49-132		12.6	30
cis-1,2-Dichloroethylene	47		"	50.0		94.1	74-132		10.0	30
cis-1,3-Dichloropropylene	47		"	50.0		93.8	81-129		11.7	30
Cyclohexane	47		"	50.0		93.7	70-130		10.7	30
Dibromochloromethane	50		"	50.0		101	10-200		14.1	30
Dibromomethane	46		"	50.0		91.3	83-124		10.9	30
Dichlorodifluoromethane	74		"	50.0		149	28-158		11.1	30
Ethyl Benzene	49		"	50.0		99.0	84-125		9.11	30
Hexachlorobutadiene	53		"	50.0		107	83-133		8.04	30
Isopropylbenzene	49		"	50.0		98.7	81-127		7.29	30
Methyl acetate	40		"	50.0		79.8	41-143		14.6	30
Methyl tert-butyl ether (MTBE)	48		"	50.0		97.0	74-131		14.7	30
Methylcyclohexane	49		"	50.0		97.4	70-130		8.21	30
Methylene chloride	46		"	50.0		92.9	57-141		12.6	30
n-Butylbenzene	54		"	50.0		108	80-130		8.58	30



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

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	RPD	Limit	Flag
		Limit			Result					Limit			
Batch BI00884 - EPA 5035A													
LCS Dup (BI00884-BSD1)	LCS Dup	Prepared & Analyzed: 09/16/2020											
n-Propylbenzene	50		ug/L	50.0		100	74-136			8.79		30	
o-Xylene	49		"	50.0		97.3	83-123			10.3		30	
p- & m- Xylenes	99		"	100		99.3	82-128			9.58		30	
p-Isopropyltoluene	53		"	50.0		105	85-125			7.88		30	
sec-Butylbenzene	53		"	50.0		106	83-125			7.99		30	
Styrene	50		"	50.0		100	86-126			9.93		30	
tert-Butyl alcohol (TBA)	190		"	250		76.3	70-130			14.3		30	
tert-Butylbenzene	45		"	50.0		89.1	80-127			7.53		30	
Tetrachloroethylene	43		"	50.0		86.1	80-129			7.77		30	
Toluene	48		"	50.0		95.9	85-121			9.59		30	
trans-1,2-Dichloroethylene	49		"	50.0		98.0	72-132			10.9		30	
trans-1,3-Dichloropropylene	46		"	50.0		91.6	78-132			15.5		30	
Trichloroethylene	49		"	50.0		97.7	84-123			8.60		30	
Trichlorofluoromethane	59		"	50.0		117	62-140			9.62		30	
Vinyl Chloride	60		"	50.0		120	52-130			11.3		30	
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>51.5</i>		<i>"</i>	<i>50.0</i>		<i>103</i>	<i>77-125</i>						
<i>Surrogate: SURR: Toluene-d8</i>	<i>51.0</i>		<i>"</i>	<i>50.0</i>		<i>102</i>	<i>85-120</i>						
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>48.8</i>		<i>"</i>	<i>50.0</i>		<i>97.6</i>	<i>76-130</i>						

Batch BI00886 - EPA 5035A													
Blank (BI00886-BLK1)	Blank	Prepared & Analyzed: 09/15/2020											
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet										
1,1,1-Trichloroethane	ND	5.0	"										
1,1,2,2-Tetrachloroethane	ND	5.0	"										
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"										
1,1,2-Trichloroethane	ND	5.0	"										
1,1-Dichloroethane	ND	5.0	"										
1,1-Dichloroethylene	ND	5.0	"										
1,2,3-Trichlorobenzene	ND	5.0	"										
1,2,3-Trichloropropane	ND	5.0	"										
1,2,4-Trichlorobenzene	ND	5.0	"										
1,2,4-Trimethylbenzene	ND	5.0	"										
1,2-Dibromo-3-chloropropane	ND	5.0	"										
1,2-Dibromoethane	ND	5.0	"										
1,2-Dichlorobenzene	ND	5.0	"										
1,2-Dichloroethane	ND	5.0	"										
1,2-Dichloropropane	ND	5.0	"										
1,3,5-Trimethylbenzene	ND	5.0	"										
1,3-Dichlorobenzene	ND	5.0	"										
1,4-Dichlorobenzene	ND	5.0	"										
1,4-Dioxane	ND	100	"										
2-Butanone	ND	5.0	"										
2-Hexanone	ND	5.0	"										
4-Methyl-2-pentanone	ND	5.0	"										
Acetone	ND	10	"										
Acrolein	ND	10	"										
Acrylonitrile	ND	5.0	"										
Benzene	ND	5.0	"										
Bromochloromethane	ND	5.0	"										
Bromodichloromethane	ND	5.0	"										



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BI00886 - EPA 5035A

Blank (BI00886-BLK1)

Blank

Prepared & Analyzed: 09/15/2020

Bromoform	ND	5.0	ug/kg wet								
Bromomethane	ND	5.0	"								
Carbon disulfide	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Cyclohexane	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl acetate	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylcyclohexane	ND	5.0	"								
Methylene chloride	ND	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butyl alcohol (TBA)	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								

Surrogate: SURRE: 1,2-Dichloroethane-d4	52.9	ug/L	50.0	106	77-125
Surrogate: SURRE: Toluene-d8	50.8	"	50.0	102	85-120
Surrogate: SURRE: p-Bromofluorobenzene	48.1	"	50.0	96.2	76-130



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI00886 - EPA 5035A

Blank (BI00886-BLK2)

Blank

Prepared & Analyzed: 09/15/2020

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



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI00886 - EPA 5035A

Blank (BI00886-BLK2)	Blank	Prepared & Analyzed: 09/15/2020									
n-Propylbenzene	ND	5.0	ug/kg wet								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butyl alcohol (TBA)	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	53.0		ug/L	50.0		106	77-125				
Surrogate: SURR: Toluene-d8	51.5		"	50.0		103	85-120				
Surrogate: SURR: p-Bromofluorobenzene	47.8		"	50.0		95.6	76-130				

LCS (BI00886-BS1)	LCS	Prepared & Analyzed: 09/15/2020									
1,1,1,2-Tetrachloroethane	44		ug/L	50.0		87.5	75-129				
1,1,1-Trichloroethane	43		"	50.0		86.2	71-137				
1,1,2,2-Tetrachloroethane	46		"	50.0		92.5	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	48		"	50.0		95.2	58-146				
1,1,2-Trichloroethane	44		"	50.0		87.2	83-123				
1,1-Dichloroethane	41		"	50.0		81.3	75-130				
1,1-Dichloroethylene	46		"	50.0		91.2	64-137				
1,2,3-Trichlorobenzene	47		"	50.0		94.8	81-140				
1,2,3-Trichloropropane	46		"	50.0		92.4	81-126				
1,2,4-Trichlorobenzene	48		"	50.0		97.0	80-141				
1,2,4-Trimethylbenzene	46		"	50.0		91.4	84-125				
1,2-Dibromo-3-chloropropane	47		"	50.0		93.6	74-142				
1,2-Dibromoethane	44		"	50.0		87.2	86-123				
1,2-Dichlorobenzene	44		"	50.0		88.7	85-122				
1,2-Dichloroethane	43		"	50.0		85.4	71-133				
1,2-Dichloropropane	41		"	50.0		81.4	81-122				
1,3,5-Trimethylbenzene	45		"	50.0		89.8	82-126				
1,3-Dichlorobenzene	45		"	50.0		89.1	84-124				
1,4-Dichlorobenzene	45		"	50.0		90.3	84-124				
1,4-Dioxane	1000		"	1050		96.9	10-228				
2-Butanone	50		"	50.0		99.9	58-147				
2-Hexanone	46		"	50.0		91.4	70-139				
4-Methyl-2-pentanone	45		"	50.0		90.0	72-132				
Acetone	42		"	50.0		84.5	36-155				
Acrolein	28		"	50.0		55.5	10-238				
Acrylonitrile	45		"	50.0		89.1	66-141				
Benzene	43		"	50.0		86.1	77-127				
Bromochloromethane	41		"	50.0		81.3	74-129				
Bromodichloromethane	43		"	50.0		86.6	81-124				
Bromoform	46		"	50.0		91.8	80-136				



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

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	Flag
		Limit			Result					RPD	
Batch BI00886 - EPA 5035A											
LCS (BI00886-BS1)	LCS	Prepared & Analyzed: 09/15/2020									
Bromomethane	57		ug/L	50.0		113		32-177			
Carbon disulfide	46		"	50.0		92.9		10-136			
Carbon tetrachloride	44		"	50.0		88.9		66-143			
Chlorobenzene	43		"	50.0		86.8		86-120			
Chloroethane	69		"	50.0		139		51-142			
Chloroform	43		"	50.0		85.4		76-131			
Chloromethane	54		"	50.0		108		49-132			
cis-1,2-Dichloroethylene	42		"	50.0		84.4		74-132			
cis-1,3-Dichloropropylene	43		"	50.0		85.8		81-129			
Cyclohexane	42		"	50.0		84.9		70-130			
Dibromochloromethane	45		"	50.0		90.7		10-200			
Dibromomethane	42		"	50.0		84.7		83-124			
Dichlorodifluoromethane	76		"	50.0		153		28-158			
Ethyl Benzene	44		"	50.0		88.7		84-125			
Hexachlorobutadiene	46		"	50.0		91.4		83-133			
Isopropylbenzene	44		"	50.0		87.3		81-127			
Methyl acetate	39		"	50.0		78.8		41-143			
Methyl tert-butyl ether (MTBE)	43		"	50.0		86.0		74-131			
Methylcyclohexane	44		"	50.0		89.0		70-130			
Methylene chloride	42		"	50.0		83.7		57-141			
n-Butylbenzene	46		"	50.0		92.9		80-130			
n-Propylbenzene	44		"	50.0		88.3		74-136			
o-Xylene	43		"	50.0		86.5		83-123			
p- & m- Xylenes	88		"	100		87.5		82-128			
p-Isopropyltoluene	46		"	50.0		91.0		85-125			
sec-Butylbenzene	47		"	50.0		94.2		83-125			
Styrene	45		"	50.0		90.4		86-126			
tert-Butyl alcohol (TBA)	230		"	250		91.5		70-130			
tert-Butylbenzene	39		"	50.0		77.4		80-127	Low Bias		
Tetrachloroethylene	38		"	50.0		77.0		80-129	Low Bias		
Toluene	43		"	50.0		86.2		85-121			
trans-1,2-Dichloroethylene	44		"	50.0		88.1		72-132			
trans-1,3-Dichloropropylene	42		"	50.0		84.3		78-132			
Trichloroethylene	44		"	50.0		87.3		84-123			
Trichlorofluoromethane	56		"	50.0		111		62-140			
Vinyl Chloride	58		"	50.0		116		52-130			
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>51.4</i>		<i>"</i>	<i>50.0</i>		<i>103</i>		<i>77-125</i>			
<i>Surrogate: SURR: Toluene-d8</i>	<i>51.5</i>		<i>"</i>	<i>50.0</i>		<i>103</i>		<i>85-120</i>			
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>48.6</i>		<i>"</i>	<i>50.0</i>		<i>97.2</i>		<i>76-130</i>			



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00886 - EPA 5035A											
LCS Dup (BI00886-BSD1)	LCS Dup										Prepared & Analyzed: 09/15/2020
1,1,1,2-Tetrachloroethane	53		ug/L	50.0		105	75-129		18.5	30	
1,1,1-Trichloroethane	52		"	50.0		105	71-137		19.4	30	
1,1,2,2-Tetrachloroethane	53		"	50.0		107	79-129		14.2	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	56		"	50.0		112	58-146		16.6	30	
1,1,2-Trichloroethane	51		"	50.0		103	83-123		16.3	30	
1,1-Dichloroethane	49		"	50.0		97.8	75-130		18.4	30	
1,1-Dichloroethylene	55		"	50.0		109	64-137		18.2	30	
1,2,3-Trichlorobenzene	56		"	50.0		111	81-140		15.8	30	
1,2,3-Trichloropropane	53		"	50.0		106	81-126		13.4	30	
1,2,4-Trichlorobenzene	57		"	50.0		115	80-141		16.8	30	
1,2,4-Trimethylbenzene	54		"	50.0		108	84-125		16.3	30	
1,2-Dibromo-3-chloropropane	54		"	50.0		107	74-142		13.4	30	
1,2-Dibromoethane	52		"	50.0		104	86-123		17.2	30	
1,2-Dichlorobenzene	52		"	50.0		105	85-122		16.6	30	
1,2-Dichloroethane	50		"	50.0		99.3	71-133		15.0	30	
1,2-Dichloropropane	49		"	50.0		97.6	81-122		18.1	30	
1,3,5-Trimethylbenzene	53		"	50.0		107	82-126		17.4	30	
1,3-Dichlorobenzene	53		"	50.0		105	84-124		16.5	30	
1,4-Dichlorobenzene	53		"	50.0		106	84-124		15.8	30	
1,4-Dioxane	1200		"	1050		111	10-228		13.1	30	
2-Butanone	53		"	50.0		106	58-147		5.87	30	
2-Hexanone	51		"	50.0		103	70-139		11.7	30	
4-Methyl-2-pentanone	51		"	50.0		102	72-132		12.8	30	
Acetone	43		"	50.0		86.1	36-155		1.95	30	
Acrolein	30		"	50.0		60.3	10-238		8.22	30	
Acrylonitrile	50		"	50.0		101	66-141		12.4	30	
Benzene	52		"	50.0		104	77-127		18.7	30	
Bromochloromethane	48		"	50.0		96.6	74-129		17.2	30	
Bromodichloromethane	52		"	50.0		104	81-124		18.3	30	
Bromoform	55		"	50.0		111	80-136		18.8	30	
Bromomethane	67		"	50.0		133	32-177		16.2	30	
Carbon disulfide	55		"	50.0		110	10-136		16.7	30	
Carbon tetrachloride	54		"	50.0		108	66-143		19.6	30	
Chlorobenzene	52		"	50.0		104	86-120		17.6	30	
Chloroethane	85		"	50.0		170	51-142	High Bias	20.3	30	
Chloroform	51		"	50.0		102	76-131		17.8	30	
Chloromethane	63		"	50.0		125	49-132		14.9	30	
cis-1,2-Dichloroethylene	51		"	50.0		101	74-132		17.9	30	
cis-1,3-Dichloropropylene	52		"	50.0		103	81-129		18.4	30	
Cyclohexane	51		"	50.0		102	70-130		18.5	30	
Dibromochloromethane	55		"	50.0		109	10-200		18.4	30	
Dibromomethane	49		"	50.0		98.2	83-124		14.8	30	
Dichlorodifluoromethane	94		"	50.0		187	28-158	High Bias	20.1	30	
Ethyl Benzene	53		"	50.0		106	84-125		17.8	30	
Hexachlorobutadiene	56		"	50.0		111	83-133		19.5	30	
Isopropylbenzene	52		"	50.0		103	81-127		17.0	30	
Methyl acetate	45		"	50.0		89.2	41-143		12.5	30	
Methyl tert-butyl ether (MTBE)	51		"	50.0		103	74-131		18.0	30	
Methylcyclohexane	53		"	50.0		106	70-130		17.2	30	
Methylene chloride	50		"	50.0		101	57-141		18.5	30	
n-Butylbenzene	60		"	50.0		120	80-130		25.2	30	

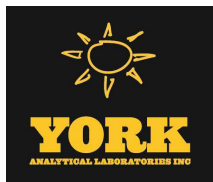


Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

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

Batch BI00886 - EPA 5035A

LCS Dup (BI00886-BS1)	LCS Dup	Prepared & Analyzed: 09/15/2020									
n-Propylbenzene	53		ug/L	50.0		105	74-136			17.6	30
o-Xylene	51		"	50.0		103	83-123			17.2	30
p- & m- Xylenes	100		"	100		105	82-128			18.0	30
p-Isopropyltoluene	54		"	50.0		108	85-125			17.1	30
sec-Butylbenzene	56		"	50.0		111	83-125			16.7	30
Styrene	54		"	50.0		108	86-126			17.5	30
tert-Butyl alcohol (TBA)	240		"	250		97.7	70-130			6.51	30
tert-Butylbenzene	46		"	50.0		92.1	80-127			17.4	30
Tetrachloroethylene	47		"	50.0		93.9	80-129			19.8	30
Toluene	52		"	50.0		103	85-121			17.8	30
trans-1,2-Dichloroethylene	52		"	50.0		105	72-132			17.2	30
trans-1,3-Dichloropropylene	50		"	50.0		101	78-132			17.7	30
Trichloroethylene	52		"	50.0		104	84-123			17.6	30
Trichlorofluoromethane	66		"	50.0		132	62-140			17.0	30
Vinyl Chloride	68		"	50.0		136	52-130	High Bias		15.9	30
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>		<i>51.6</i>	<i>"</i>	<i>50.0</i>		<i>103</i>	<i>77-125</i>				
<i>Surrogate: SURR: Toluene-d8</i>		<i>51.4</i>	<i>"</i>	<i>50.0</i>		<i>103</i>	<i>85-120</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>		<i>47.6</i>	<i>"</i>	<i>50.0</i>		<i>95.3</i>	<i>76-130</i>				



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

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

Batch BI00441 - EPA 3015A

Blank (BI00441-BLK1) Blank Prepared: 09/09/2020 Analyzed: 09/10/2020

Aluminum - Dissolved	ND	0.0556	mg/L
Barium - Dissolved	ND	0.0278	"
Calcium - Dissolved	ND	0.0556	"
Chromium - Dissolved	ND	0.00556	"
Cobalt - Dissolved	ND	0.00444	"
Copper - Dissolved	ND	0.0222	"
Iron - Dissolved	ND	0.278	"
Lead - Dissolved	ND	0.00556	"
Magnesium - Dissolved	ND	0.0556	"
Manganese - Dissolved	ND	0.00556	"
Nickel - Dissolved	ND	0.0111	"
Potassium - Dissolved	ND	0.0556	"
Silver - Dissolved	ND	0.00556	"
Sodium - Dissolved	ND	0.556	"
Vanadium - Dissolved	ND	0.0111	"
Zinc - Dissolved	ND	0.0278	"

LCS (BI00441-BS1) LCS Prepared: 09/09/2020 Analyzed: 09/10/2020

Aluminum - Dissolved	2.03		ug/mL	2.00	101	80-120	
Barium - Dissolved	1.95		"	2.00	97.3	80-120	
Calcium - Dissolved	2.02		"	1.00	202	80-120	High Bias
Chromium - Dissolved	0.188		"	0.200	94.1	80-120	
Cobalt - Dissolved	0.491		"	0.500	98.1	80-120	
Copper - Dissolved	0.250		"	0.250	100	80-120	
Iron - Dissolved	0.997		"	1.00	99.7	80-120	
Lead - Dissolved	0.518		"	0.500	104	80-120	
Magnesium - Dissolved	1.01		"	1.00	101	80-120	
Manganese - Dissolved	0.489		"	0.500	97.9	80-120	
Nickel - Dissolved	0.502		"	0.500	100	80-120	
Potassium - Dissolved	1.03		"	1.00	103	80-120	
Silver - Dissolved	0.0166		"	0.0500	33.1	80-120	Low Bias
Sodium - Dissolved	1.06		"	1.00	106	80-120	
Vanadium - Dissolved	0.469		"	0.500	93.7	80-120	
Zinc - Dissolved	0.506		"	0.500	101	80-120	



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI00523 - EPA 3015A

Blank (BI00523-BLK1)	Blank	Prepared & Analyzed: 09/10/2020									
Aluminum	ND	0.0556	mg/L								
Barium	ND	0.0278	"								
Calcium	ND	0.0556	"								
Chromium	ND	0.00556	"								
Cobalt	ND	0.00444	"								
Copper	ND	0.0222	"								
Iron	ND	0.278	"								
Lead	ND	0.00556	"								
Magnesium	ND	0.0556	"								
Manganese	ND	0.00556	"								
Nickel	ND	0.0111	"								
Potassium	ND	0.0556	"								
Silver	ND	0.00556	"								
Sodium	ND	0.556	"								
Vanadium	ND	0.0111	"								
Zinc	ND	0.0278	"								

LCS (BI00523-BS1)	LCS	Prepared & Analyzed: 09/10/2020									
Aluminum	1.95		ug/mL	2.00		97.3	80-120				
Barium	2.06		"	2.00		103	80-120				
Calcium	0.979		"	1.00		97.9	80-120				
Chromium	0.198		"	0.200		98.9	80-120				
Cobalt	0.519		"	0.500		104	80-120				
Copper	0.264		"	0.250		106	80-120				
Iron	1.03		"	1.00		103	80-120				
Lead	0.557		"	0.500		111	80-120				
Magnesium	1.05		"	1.00		105	80-120				
Manganese	0.519		"	0.500		104	80-120				
Nickel	0.527		"	0.500		105	80-120				
Potassium	1.02		"	1.00		102	80-120				
Silver	0.0215		"	0.0500		42.9	80-120	Low Bias			
Sodium	1.00		"	1.00		100	80-120				
Vanadium	0.497		"	0.500		99.3	80-120				
Zinc	0.491		"	0.500		98.1	80-120				



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

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

Batch BI00442 - EPA 3015A

Blank (BI00442-BLK1)		Blank										Prepared: 09/09/2020 Analyzed: 09/10/2020	
Antimony - Dissolved	ND	1.11	ug/L										
Arsenic - Dissolved	ND	1.11	"										
Beryllium - Dissolved	ND	0.333	"										
Cadmium - Dissolved	ND	0.556	"										
Selenium - Dissolved	ND	1.11	"										
Thallium - Dissolved	ND	1.11	"										

LCS (BI00442-BS1)		LCS										Prepared: 09/09/2020 Analyzed: 09/10/2020	
Antimony - Dissolved	48.6		ug/L	50.0	97.2	80-120							
Arsenic - Dissolved	49.3		"	50.0	98.6	80-120							
Beryllium - Dissolved	47.5		"	50.0	95.1	80-120							
Cadmium - Dissolved	49.1		"	50.0	98.2	80-120							
Selenium - Dissolved	48.7		"	50.0	97.3	80-120							
Thallium - Dissolved	48.8		"	50.0	97.6	80-120							

Batch BI00522 - EPA 3015A

Blank (BI00522-BLK1)		Blank										Prepared & Analyzed: 09/10/2020	
Antimony	ND	1.11	ug/L										
Arsenic	ND	1.11	"										
Beryllium	ND	0.333	"										
Cadmium	ND	0.556	"										
Selenium	ND	1.11	"										
Thallium	ND	1.11	"										

LCS (BI00522-BS1)		LCS										Prepared & Analyzed: 09/10/2020	
Antimony	46.1		ug/L	50.0	92.2	80-120							
Arsenic	46.5		"	50.0	92.9	80-120							
Beryllium	41.2		"	50.0	82.4	80-120							
Cadmium	48.3		"	50.0	96.5	80-120							
Selenium	50.8		"	50.0	102	80-120							
Thallium	52.3		"	50.0	105	80-120							



Mercury by EPA 7000/200 Series Methods - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00430 - EPA 7473 water											
Blank (BI00430-BLK1)	Blank										Prepared & Analyzed: 09/09/2020
Mercury - Dissolved	ND	0.0002000	mg/L								
Reference (BI00430-SRM1)	Reference										Prepared & Analyzed: 09/09/2020
Mercury - Dissolved	0.008892		mg/L	0.0100		88.9	70-130				
Batch BI00530 - EPA 7473 water											
Blank (BI00530-BLK1)	Blank										Prepared & Analyzed: 09/10/2020
Mercury	ND	0.00020	mg/L								
Reference (BI00530-SRM1)	Reference										Prepared & Analyzed: 09/10/2020
Mercury	0.00838		mg/L	0.0100		83.8	70-130				



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

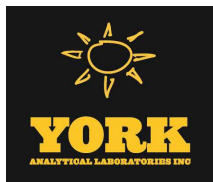
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI00789 - % Solids Prep

Duplicate (BI00789-DUP1)	Duplicate	*Source sample: 20I0305-02 (11_S)						Prepared & Analyzed: 09/15/2020				
% Solids	84.3	0.100	%		84.5				0.167	20		

Batch BI00790 - % Solids Prep

Duplicate (BI00790-DUP1)	Duplicate	*Source sample: 20I0305-62 (8_S)						Prepared & Analyzed: 09/15/2020				
% Solids	74.2	0.100	%		73.5				0.970	20		



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
20I0305-01	11_GW	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20I0305-02	11_S	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
20I0305-05	12_GW	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20I0305-06	12_S	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
20I0305-07	13_GW	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20I0305-08	13_S	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
20I0305-11	3_GW	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20I0305-12	3_S	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
20I0305-15	4_GW	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20I0305-16	4_S	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
20I0305-17	14_GW	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20I0305-18	14_S	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
20I0305-19	23_GW	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20I0305-20	23_S	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
20I0305-21	24_GW	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20I0305-22	24_S	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
20I0305-25	25_GW	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20I0305-26	25_S	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
20I0305-27	26_GW	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20I0305-28	26_S	40mL Vial with Stir Bar-Cool 4° C
20I0305-31	15_GW	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20I0305-32	15_S	40mL Vial with Stir Bar-Cool 4° C
20I0305-33	16_GW	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20I0305-34	16_S	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
20I0305-37	17_GW	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20I0305-38	17_S	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
20I0305-41	18_GW	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20I0305-42	18_S	40mL Vial with Stir Bar-Cool 4° C
20I0305-43	19_GW	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20I0305-44	19_S	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
20I0305-46	21_GW	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20I0305-47	21_S	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
20I0305-49	22_GW	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20I0305-50	22_S	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
20I0305-51	5_GW	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20I0305-52	5_S	40mL Vial with Stir Bar-Cool 4° C
20I0305-55	6_GW	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20I0305-56	6_S	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
20I0305-57	7_GW	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20I0305-58	7_S	40mL Vial with Stir Bar-Cool 4° C
20I0305-61	8_GW	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20I0305-62	8_S	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
20I0305-63	9_GW	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20I0305-64	9_S	40mL Vial with Stir Bar-Cool 4° C
20I0305-66	10_GW	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20I0305-67	10_S	40mL Vial with Stir Bar-Cool 4° C
20I0305-68	20_GW	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



20I0305-69

20_S

40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

VOA-E	The concentration reported for this analyte is an estimated value above the linear range of the instrument for EPA SW846-5035/8260 (>200ppb). Re-analysis using 5035/8260 medium level prep. resulted in a detection below the reporting limit (<500ppb).
S-03	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect. This effect was confirmed by reanalysis.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-CRL	The RL check for this element recovered outside of control limits.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
ICV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Cal-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%)
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

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



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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

Revision Description: This report has been revised to correct Sodium results.



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Field Chain-of-Custody Record

YORK Project No.
140-2010305

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YOUR INFORMATION		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company:	Langan	Company:	Langan	Company:	Langan	140115301		RUSH - Next Day	
Address:	989 Lenox Dr.	Address:	989 Lenox Dr.	Address:	Lawrenceville, NJ	YOUR Project Name		RUSH - Two Day	
Phone:	609-282-8019	Phone:	609-282-8019	Phone:	609-282-8019	714 East Broadway Street Brooklyn, NY		RUSH - Three Day	
Contact:	Amrita Oka	Contact:	Amrita Oka	Contact:	goka@langan.com	YOUR PO#:		RUSH - Four Day	
E-mail:	aoka@langan.com	E-mail:	amhokal	E-mail:	goka@langan.com			Standard (5-7 Day)	X
Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.									
Samples Collected by: (print your name above and sign below)									
Amrita Oka / Arona Boobam									
Sample Identification		Matrix Codes		Samples From		Report / EDD Type (circle selections)		YORK Reg. Comp.	
Sample	Matrix	Sample	Matrix	Location	Package	Summary Report	CT RCP	Standard Excel EDD	Compared to the following Regulation(s): (please fill in)
11-GW	GW	S - soil / solid	GW - groundwater	New York	NY ASP A Package	QA Report	<input checked="" type="checkbox"/>	Standard	See previous reports
11-S	Soil	GW - drinking water	DW - drinking water	New Jersey	NY ASP B Package			EQULS (Standard)	
11+12-GW	GW	WW - wastewater	WW - wastewater	Connecticut				NYSDEC EQUIS	
11+12-S	Soil	O - Oil	O - Oil	Pennsylvania				NJDEP SRP HazSite	
12-GW	Soil	Other	Other	Other				Other:	
12-S	Soil								
13-GW	GW								
13-S	Soil								
13+14-GW	GW								
13+14-S	Soil								
Comments: 2g ascorbic acid added to all GW VOC vials (except 3-GW 4-GW, 15-GW + 16-GW) limited volume of GW - only 20cc vials sample. Limited metals.									
Sample Identification		Sample Matrix		Date/Time Sampled		Analysis Requested		Container Description	
11-GW	GW	GW	GW	9/3/20 13:20	VOCs, PAHs (dissolved)	2-14			
11-S	Soil	Soil	Soil	9/3/20 13:25	VOCs, PCB	4-94c			
11+12-GW	GW	GW	GW	13:20	TAL metals (dissolved)	1			
11+12-S	Soil	Soil	Soil	13:25	TOC	1			
12-GW	GW	GW	GW	13:50	VOC	2			
12-S	Soil	Soil	Soil	13:55	VOCs	4			
13-GW	GW	GW	GW	14:15	VOCs	2			
13-S	Soil	Soil	Soil	14:20	VOCs	4			
13+14-GW	GW	GW	GW	14:15	TAL metals (dissolved)	1			
13+14-S	Soil	Soil	Soil	14:20	TOC	1			
Preservation: (check all that apply) HCl <input checked="" type="checkbox"/> MeOH <input checked="" type="checkbox"/> HNO ₃ <input checked="" type="checkbox"/> H ₂ SO ₄ <input checked="" type="checkbox"/> NaOH <input type="checkbox"/> ZnAc <input type="checkbox"/> Ascorbic Acid <input checked="" type="checkbox"/> Other:									
Samples Relinquished by / Company		Samples Relinquished by / Company		Samples Relinquished by / Company		Samples Relinquished by / Company		Special Instruction	
Amrita Oka Langan	9/8/20	Amrita Oka Langan	9/8/20	Amrita Oka Langan	9/8/20	Amrita Oka Langan	9/8/20	Field Filtered X	Lab to Filter
Ed/W	9/8/20	Ed/W	9/8/20	Ed/W	9/8/20	Ed/W	9/8/20		
Temp. Received at Lab 3.2 Degrees C									



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YOUR INFORMATION		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company:	Lagen	Company:	Lagen	Company:	Lagen	140115301	RUSH - Next Day		
Address:	989 Lehigh Dr	Address:	989 Lehigh Dr Lawrenceville, NJ	Address:	989 Lehigh Dr Lawrenceville, NJ		RUSH - Two Day		
Phone:	609-282-8019	Phone:	609-282-8019	Phone:	609-282-8019		RUSH - Three Day		
Contact:	Amita Oka	Contact:	Amita Oka	Contact:	Amita Oka		RUSH - Four Day		
E-mail:	amita@yorklab.com	E-mail:	amita@yorklab.com	E-mail:	amita@yorklab.com		Standard (5-7 Day)		X
<p>Samples Collected by: (print your name above and sign below) Amita Oka / Anora Boobam</p>									
<p>Please print clearly and legibly. All information must be complete. Samples will not be logged and the turn-around-time clock will not begin until any questions by YORK are resolved.</p>									
Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Report / EDD Type (circle selections)	YORK Reg. Comp.	Compared to the following Regulation(s): (please fill in)			
3-6W	GW	9/3 15:00	VOCS	Summary Report	Standard Excel EDD	See previous reports			
3-S	S	9/3 2020 15:05	VOCS	QA Report	Standard				
3T4-6W	GW	11-15:00	TAL metals dissolved, TAL metal total	NY ASP A Package	EQULS (Standard)				
3T4-S	Soil	15:05	TOC	NY ASP B Package	EQULS				
4-6W	GW	15:30	VOCS	Other:	NJDEP SRP HazSite				
4-S	Soil	15:35	VOCS		NJDKQP				
14-6W	GW	11-14:35	VOCS						
14-S	Soil	14:40	VOCS						
23-6W	GW	15:40	VOCS						
23-S	S	15:45	VOCS						
<p>Comments: see page 1</p>									
<p>Preservation: (check all that apply) HCl <input checked="" type="checkbox"/> MeOH <input checked="" type="checkbox"/> HNO3 <input checked="" type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> ZnAc <input type="checkbox"/> Ascorbic Acid <input checked="" type="checkbox"/> Other: <input type="checkbox"/></p>									
Samples Relinquished by / Company		Date/Time		Samples Relinquished by / Company		Date/Time		Special Instruction	
Amita Oka Lagen		9/8/2020		Yanuda		9/8		Field Filtered X Lab to Filter	
Edlw		9/11/20		Edlw		1910			
Edlw		1700		Edlw		1910			
Samples Relinquished by / Company		Date/Time		Samples Received in LAB by		Date/Time		Temp. Received at Lab	
Amita Oka Lagen		9/8/2020		Amita Oka		9/8/20 1910		3.2	



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YOUR INFORMATION		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company:	Langan	Company:	Langan	Company:	Langan	140115301		RUSH - Next Day	
Address:	989 Glenox Dr Lawrenceville, NJ	Address:	989 Glenox Dr Lawrenceville, NJ	Address:	989 Glenox Dr Lawrenceville, NJ	YOUR Project Name		RUSH - Two Day	
Phone:	609-282-8019	Phone:	609-282-8019	Phone:	609-282-8019	741 East, 241 Street Piscataway, NJ		RUSH - Three Day	
Contact:	Amita Oka	Contact:	Amita Oka	Contact:	Amita Oka	YOUR PO#:		RUSH - Four Day	
E-mail:	aoka@langan.com	E-mail:	aoka@langan.com	E-mail:	aoka@langan.com			Standard (5-7 Day)	

Matrix Codes		Report / EDD Type (circle selections)		YORK Reg. Comp.	
S - soil / solid		Summary Report	Standard Excel EDD	Compared to the following Regulation(s): (please fill in)	
GW - groundwater		QA Report	CT RCP	Standard	Excel EDD
DW - drinking water		NY ASP A Package	CT RCP DQA/DUE	EQULS (Standard)	
WW - wastewater		NY ASP B Package	NJDEP Reduced Deliverables	NYSDEC EQULS	
O - Oil ; ; Other			NJDKQP	NJDEP SRP HazSite	

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
284-6W	GW	9/3 10:00	64 VOCs	2
284-6S	S	10:05	VOCs	4
244-6W	GW	15:40	TAL metals (Dissolved)	1
244-6S	S	15:45	TOC	1
25-6W	GW	9/4/2000 11:00	VOCs	2
25-6S	S	11:05	VOCs	4
26-6W	GW	11:30	VOCs	2
26-6S	S	11:35	VOCs	4
25+26-6W	GW	9/4/2000 11:00	TAL metals (Dissolved)	1
25+26-6S	S	11:05	TOC	1

Comments: see page 1

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

Samples Relinquished by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
Amita Oka Langan	9/8/2000	[Signature]	9/8 10:15
[Signature]	9/8/2000	[Signature]	9/8 10:15
Samples Relinquished by / Company	Date/Time	Samples Received in LAB by	Date/Time
[Signature]	9/8/2000	HBlocher	9/8/20 19:10

Temp. Received at Lab: 3.2 Degrees C



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YOUR INFORMATION		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company: Langen	Company: Langen	Company: Langen	Company: Langen	Company: Langen	Company: Langen	140115301	RUSH - Next Day	RUSH - Next Day	
Address: 989 Carbox Dr Lawrenceville, NJ	Address: 989 Lawrenceville, NJ	Address: 989 Lawrenceville, NJ	Address: 989 Lawrenceville, NJ	Address: 989 Lawrenceville, NJ	Address: 989 Lawrenceville, NJ		RUSH - Two Day	RUSH - Two Day	
Phone: 609-282-8019	Phone: 609-282-8019	Phone: 609-282-8019	Phone: 609-282-8019	Phone: 609-282-8019	Phone: 609-282-8019		RUSH - Three Day	RUSH - Three Day	
Contact: Amita Oka	Contact: Amita Oka	Contact: Amita Oka	Contact: Amita Oka	Contact: Amita Oka	Contact: Amita Oka		RUSH - Four Day	RUSH - Four Day	
E-mail: aoka@langen.com	E-mail: aoka@langen.com	E-mail: aoka@langen.com	E-mail: aoka@langen.com	E-mail: aoka@langen.com	E-mail: aoka@langen.com		Standard (5-7 Day)	Standard (5-7 Day)	X

YOUR Project Name		YOUR PO#:		YORK Reg. Comp.	
741 East 241 Street Bordx, NY				Compared to the following Regulation(s): (please fill in) See reviews reports	
Matrix Codes		Report / EDD Type (circle selections)		Container Description	
S - soil / solid	Summary Report	CT RCP	Standard Excel EDD	2	
GW - groundwater	QA Report	CT RCP DQADUE	EQUS (Standard)	4	
DW - drinking water	NY ASP A Package	NJDEP Reduced Deliverables	NYSDEC EQUS	2	
WW - wastewater	NY ASP B Package	NJDEP SRP HazSite	Other:	4	
O - Oil ; ; Other				2	

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
✓ 15-GW	GW	9/4/10 10:50	VOCs	2
✓ 15-S	S	10:55	VOCs	4
✓ 16-GW	GW	10:55	VOCs	2
✓ 16-S	S	10:55	VOCs	4
✓ 15+16-GW	GW	9/4/2010 10:55	TAL metals → dissolved and total	2
✓ 15+16-S	S		TOC	2
AB				
AB				
AB				

Comments: see page 1

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

Samples Relinquished by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
Amita Oka Langen	9/8/10	Langen	9/8
Ed/bw	9/12/10	Ed/bw	9/12/10
Samples Relinquished by / Company	Date/Time	Samples Received in LAB by	Date/Time
Ed/bw	9/12/10	ABlock	9/8/2010
Samples Relinquished by / Company	Date/Time	Temp. Received at Lab	
Ed/bw	9/12/10	3.2	



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YOUR INFORMATION		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company:	Largan	Company:	Largan	Company:	Largan	YOUR Project Number	14 0115301	RUSH - Next Day	
Address:	989 Lenox Drive	Address:	989 Lenox Dr.	Address:	LAWRENCEVILLE, NJ	YOUR Project Name	741 East 241 Street	RUSH - Two Day	
Phone:	800-282-8019	Phone:	800-282-8019	Phone:	Amrita Oka		BRONX, NY	RUSH - Three Day	
Contact:	Amrita Oka	Contact:	Amrita Oka	Contact:	Amrita Oka			RUSH - Four Day	
E-mail:	ao@largo.com	E-mail:	ao@largo.com	E-mail:	ao@largo.com			Standard (5-7 Day)	X
<p>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.</p> <p>Samples Collected by: (print your name above and sign below) Amrita Oka / Arona Goodram</p>									
Sample Identification	Sample Matrix	Date/Time Sampled	Matrix Codes	Samples From	Report / EDD Type (circle selections)	YORK Reg. Comp.	Container Description		
✓ 17-610	GW	9/14/2020 / 15:30	S - soil / solid	New York	Summary Report	Compared to the following Regulation(s): (please fill in)	2		
✓ 17-8	S	15:35	GW - groundwater	New Jersey	QA Report	SEE PREVIOUS reports	4		
✓ 17+18-G10	GW	15:30	DW - drinking water	Connecticut	NY ASP A Package		1		
✓ 17+18-S	S	15:05	WW - wastewater	Pennsylvania	NY ASP B Package		1		
✓ 18-G10	GW	15:45	O - Oil	Other	Other:		2		
✓ 18-S	S	15:50					4		
✓ 19-G10	GW	15:00					2		
✓ 19-S	S	16:00					4		
✓ 19+20-G10	GW	16:00					4		
✓ 19+20-S	S	16:05					1		
<p>Comments: see page 1</p>									
<p>Preservation: (check all that apply) HCl <input checked="" type="checkbox"/> MeOH <input checked="" type="checkbox"/> HNO3 <input checked="" type="checkbox"/> H2SO4 <input checked="" type="checkbox"/> NaOH <input type="checkbox"/> ZnAc <input type="checkbox"/> Ascorbic Acid <input checked="" type="checkbox"/> Other: _____</p>									
Samples Relinquished by / Company		Date/Time	Samples Relinquished by / Company		Date/Time	Special Instruction			
Amrita Oka / Largo		9/18/2020	Gard		9/18	Field Filtered <input checked="" type="checkbox"/> Lab to Filter _____			
S Received by / Company		Date/Time	S Relinquished by / Company		Date/Time				
Ed/bw		9/18/20	Ed/bw		9/18/20				
S Relinquished by / Company		Date/Time	Samples Received in LAB by		Date/Time	Temp. Received at Lab			
			K. Bleacher		9/18/20 1910	3.2			



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YOUR INFORMATION		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company:	<u>Langan</u>	Company:	<u>Langan</u>	Company:	<u>Langan</u>	<u>140115301</u>		RUSH - Next Day	
Address:	<u>989 Lenox Dr.</u>	Address:	<u>989 Lenox Dr.</u>	Address:	<u>Lawrenceville, MS</u>	<u>YOUR Project Name</u>		RUSH - Two Day	
Phone:	<u>609-282-8019</u>	Phone:	<u>609-282-8019</u>	Phone:	<u>609-282-8019</u>	<u>741 East 241 Street</u>		RUSH - Three Day	
Contact:	<u>Amita Oka</u>	Contact:	<u>Amita Oka</u>	Contact:	<u>Amita Oka</u>	<u>Bronx, NY</u>		RUSH - Four Day	
E-mail:	<u>amita.oka@yorklab.com</u>	E-mail:	<u>amita.oka</u>	E-mail:	<u>amita.oka</u>	<u>YOUR PO#:</u>		Standard (5-7 Day)	<input checked="" type="checkbox"/>

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

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
✓ 21-GW	GW	9/14/2020 10:30	VOC	2
✓ 21-S	S	10:35	VOC	4
21+22-GW	GW	10:30	TAL METALS (dissolved)	1
✓ 22+22-S	S	10:35	Tbc	1
✓ 22-GW	GW	10:40	VOC	2
✓ 22-S	S	10:45	VOC	4
✓ 5-GW	GW	12:00	VOC	2
✓ 5-S	S	12:05	VOC	4
✓ 5+6-GW	GW	12:00	TAL METALS (dissolved)	1
✓ 5+6-S	S	12:05	Tbc	1

Comments: see page 1

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

Samples Relinquished by / Company		Samples Received by / Company	
Date/Time	Signature	Date/Time	Signature
9/18/20	<u>Amita Oka</u>	9/18/20	<u>[Signature]</u>
9/18/20	<u>[Signature]</u>	9/18/20	<u>[Signature]</u>
9/18/20	<u>[Signature]</u>	9/18/20	<u>[Signature]</u>
9/18/20	<u>[Signature]</u>	9/18/20	<u>[Signature]</u>



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YOUR Information		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company:	Langan	Company:	Langan	Company:	Langan	140115301		RUSH - Next Day	
Address:	989 Lenox Dr.	Address:	989 Lenox Dr.	Address:	989 Lenox Dr.	741 East 241 Street		RUSH - Two Day	
Phone:	609.282.8019	Phone:	609.282.8019	Phone:	609.282.8019	Bronx, NY		RUSH - Three Day	
Contact:	Amrita Oka	Contact:	Amrita Oka	Contact:	Amrita Oka	YOUR Project Name		RUSH - Four Day	
E-mail:	amrita.oka@yorklab.com	E-mail:	amrita.oka@yorklab.com	E-mail:	amrita.oka@yorklab.com	YOUR PO#:		Standard (5-7 Day)	

Matrix Codes		Samples From		Report / EDD Type (circle selections)		YORK Reg. Comp.	
S - soil / solid		New York		Summary Report	Standard Excel EDD	Compared to the following Regulation(s): (please fill in)	
GW - groundwater		New Jersey		QA Report	EQULS (Standard)		
DW - drinking water		Connecticut		NY ASP A Package	NYSDEC EQULS		
WW - wastewater		Pennsylvania		NY ASP B Package	NJDEP SRP HazSite		
O - Oil ; Other		Other			Other:		

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
✓ 6-GW	GW	9/4/2020 12:30	VOC	2
✓ 6-S	S	12:35	VOC	4
✓ 7-GW	GW	14:00	VOC	2
✓ 7-S	S	14:05	VOC	4
✓ 7+8-GW	GW	14:00	TAL metals (disinfect)	1
✓ 7+8-S	S	14:05	TDC	1
✓ 8-GW	GW	14:30	VOC	2
✓ 8-S	S	14:35	VOC	4
✓ 9-GW	GW	14:45	VOC	2
✓ 9-S	S	14:50	VOC	4

Comments: see page 1

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

Samples Relinquished by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
Amrita Oka Langan	9/8/2020	[Signature]	9/8
S Received by / Company	Date/Time	Samples Received by / Company	Date/Time
[Signature]	9/14/20	[Signature]	9/15
S Relinquished by / Company	Date/Time	Samples Received in LAB by	Date/Time
[Signature]	9/17/20	4BLOCKMAN	9/18/20 1910
S Relinquished by / Company	Date/Time	Temp. Received at Lab	Degrees C
[Signature]	9/17/20	3.2	



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YOUR INFORMATION		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company: Langan	Company: Langan	Company: Langan	Company: Langan	Company: Langan	Company: Langan	140115301	RUSH - Next Day	RUSH - Next Day	
Address: 989 Lenox Dr	Address: 989 Lenox Dr.	Address: 989 Lenox Dr.	Address: 989 Lenox Dr.	Address: 989 Lenox Dr.	Address: 989 Lenox Dr.		RUSH - Two Day	RUSH - Two Day	
Phone: 860-282-8019	Phone: 860-282-8019	Phone: 860-282-8019	Phone: 860-282-8019	Phone: 860-282-8019	Phone: 860-282-8019		RUSH - Three Day	RUSH - Three Day	
Contact: Amir Oka	Contact: Amir Oka	Contact: Amir Oka	Contact: Amir Oka	Contact: Amir Oka	Contact: Amir Oka		RUSH - Four Day	RUSH - Four Day	
E-mail: amir@yorklab.com	E-mail: amir@yorklab.com	E-mail: amir@yorklab.com	E-mail: amir@yorklab.com	E-mail: amir@yorklab.com	E-mail: amir@yorklab.com		Standard (5-7 Day)	Standard (5-7 Day)	X

YOUR PROJECT NAME		Report / EDD Type (circle selections)		YORK Reg. Comp.	
741 East 241 Street Brock, NJ		Summary Report	Standard Excel EDD	Compared to the following Regulation(s): (please fill in)	
YOUR PO#:		QA Report	EQUS (Standard)	see previous reports	
		NY ASP A Package	NYSDEC EQUS		
		NY ASP B Package	NJDEP SRP HazSite		
		Other:			

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
✓ 9-10-GW	GW	9/14/2020 14:45	THAL metals (disturbed)	2 - AZ
✓ 9-10-S	S	9/14/2020 14:50	TDC	4
✓ 10-GW	GW	9/14/2020 15:15	VOC	2
✓ 10-S	S	9/14/2020 15:23	VOC	4
✓ 20-GW	GW	9/14/2020 16:10	VOC	2
✓ 20-S	S	9/14/2020 16:15	VOC	4
				AZ
				AZ

Comments: see page 1

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

Samples Relinquished by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Special Instruction
Amir Oka Langan	9/18/2020	Amir Oka	9/18	Field Filtered <input checked="" type="checkbox"/> Lab to Filter <input type="checkbox"/>
Amir Oka	9/18/2020	Amir Oka	9/18	
Amir Oka	9/18/2020	Amir Oka	9/18	
Amir Oka	9/18/2020	Amir Oka	9/18	

Temp. Received at Lab: 3.2 Degrees C

Appendix D

Titration Data

Titration Data Summary

In-Situ Chemical Oxidation Treatability Study Report
714 East 241st Street
Bronx, New York
Langan Project No.140115301

Sample	Millimoles of NaOH Demand per Gram	Milliliters of 25%NaOH per Kilogram
MW-42 Groundwater	0.055	8.9
MW-42 Soil In Excavation Zone	0.049	7.9
MW-42 Soil Below Excavation Zone	0.025	4.0
MW-40 + MW-41 Soil In Excavation Zone	0.047	7.5
MW-40 + MW-41 Soil Below Excavation Zone	0.042	6.7

Notes:

NaOH - Sodium hydroxide

25% NaOH solution= 6.25 millimoles per milliliter

Titration Raw Data
In-Situ Chemical Oxidation Treatability Study Report
 714 East 241st Street
 Bronx, New York
 Langan Project No.140115301

Buffer: NaOH		
40 g/mole		Molar mass
25 %		Concentrated NaOH solution
6.25 Molar		Concentrated NaOH solution
6.25 mMoles/ml		Concentrated NaOH solution

Date	Titration	Soil (g)	Groundwater (g)	Soil Source	Groundwater Source
8/6/2020	1	0	50	MW 42	MW-42
8/6/2020	2	52	52	MW 42 E	
8/6/2020	3	53	53	MW 42 BE	
8/6/2020	4	52	52	MW 40 + MW 41 E	
8/6/2020	5	50	52	MW 40 + MW 41 BE	

Titration 1				
Buffer (ml)	mMoles	Cumulative mMoles	pH	Cumulative mMoles/g
0	0.00	0.000	6.85	0.000
0.01	0.06	0.063	7.6	0.001
0.01	0.06	0.125	8.27	0.003
0.01	0.06	0.188	8.89	0.004
0.01	0.06	0.250	9.2	0.005
0.01	0.06	0.313	9.43	0.006
0.01	0.06	0.375	9.62	0.008
0.01	0.06	0.438	9.79	0.009
0.01	0.06	0.500	9.97	0.010
0.01	0.06	0.563	10.14	0.011
0.01	0.06	0.625	10.3	0.013
0.01	0.06	0.688	10.5	0.014
0.01	0.06	0.750	10.66	0.015
0.01	0.06	0.813	10.91	0.016
0.01	0.06	0.875	11.15	0.018
0.01	0.06	0.938	11.32	0.019
0.01	0.06	1.000	11.49	0.020
0.01	0.06	1.063	11.64	0.021
0.01	0.06	1.125	11.73	0.023
0.01	0.06	1.188	11.8	0.024
0.01	0.06	1.250	11.87	0.025
0.01	0.06	1.313	11.94	0.026
0.01	0.06	1.375	11.99	0.028
0.01	0.06	1.438	12.03	0.029
0.01	0.06	1.500	12.08	0.030
0.01	0.06	1.563	12.11	0.031
0.01	0.06	1.625	12.15	0.033
0.01	0.06	1.688	12.17	0.034
0.01	0.06	1.750	12.2	0.035
0.01	0.06	1.813	12.23	0.036
0.01	0.06	1.875	12.25	0.038
0.01	0.06	1.938	12.27	0.039
0.01	0.06	2.000	12.29	0.040
0.01	0.06	2.063	12.31	0.041
0.01	0.06	2.125	12.33	0.043
0.01	0.06	2.188	12.34	0.044
0.08	0.50	2.688	12.49	0.054
0.01	0.06	2.750	12.51	0.055
0	0.00	2.750	12.42	0.055

Titration 2				
Buffer (ml)	mMoles	Cumulative mMoles	pH	Cumulative mMoles/ml
0	0.000	0.00	8.62	0.000
0.02	0.125	0.13	8.65	0.002
0.02	0.125	0.25	8.95	0.005
0.02	0.125	0.38	9.17	0.007
0.02	0.125	0.50	9.44	0.010
0.02	0.125	0.63	9.7	0.012
0.02	0.125	0.75	9.91	0.014
0.02	0.125	0.88	10.13	0.017
0.02	0.125	1.00	10.34	0.019
0.02	0.125	1.13	10.34	0.022
0.02	0.125	1.25	10.52	0.024
0.02	0.125	1.38	10.75	0.026
0.02	0.125	1.50	11.09	0.029
0.02	0.125	1.63	11.23	0.031
0.02	0.125	1.75	11.38	0.033
0.02	0.125	1.88	11.55	0.036
0.02	0.125	2.00	11.62	0.038
0.02	0.125	2.13	11.7	0.041
0.02	0.125	2.25	11.81	0.043
0.02	0.125	2.38	11.86	0.045
0.02	0.125	2.50	11.89	0.048
0.02	0.125	2.63	11.98	0.050
0.02	0.125	2.75	12.03	0.053
0.02	0.125	2.88	12.08	0.055
0.02	0.125	3.00	12.12	0.057
0.02	0.125	3.13	12.14	0.060
0.02	0.125	3.25	12.16	0.062
0.06	0.375	3.63	12.26	0.069
0.15	0.938	4.56	12.34	0.087
0.1	0.625	5.19	12.46	0.099
0.04	0.250	5.44	12.52	0.104
0	0.000	5.44	12.41	0.104

Titration 4				
Buffer (ml)	mMoles	Cumulative mMoles	pH	Cumulative mMoles/ml
0	0.000	0.00	8.02	0.000
0.05	0.313	0.31	9.23	0.006
0.05	0.313	0.63	9.73	0.012
0.05	0.313	0.94	9.71	0.018
0.05	0.313	1.25	10.16	0.024
0.05	0.313	1.56	10.54	0.030
0.05	0.313	1.88	11.07	0.036
0.05	0.313	2.19	11.37	0.042
0.05	0.313	2.50	11.72	0.048
0.05	0.313	2.81	11.92	0.054
0.02	0.125	2.94	11.98	0.056
0.02	0.125	3.06	12.02	0.059
0.02	0.125	3.19	12.07	0.061
0.02	0.125	3.31	12.11	0.064
0.04	0.250	3.56	12.18	0.069
0.04	0.250	3.81	12.29	0.073
0.04	0.250	4.06	12.3	0.078
0.04	0.250	4.31	12.35	0.083
0.04	0.250	4.56	12.4	0.088
0.04	0.250	4.81	12.44	0.093
0.04	0.250	5.06	12.47	0.097
0.04	0.250	5.31	12.52	0.102
0	0.000	5.31	12.36	0.102

Titration 3				
Buffer (ml)	mMoles	Cumulative mMoles	pH	Cumulative mMoles/ml
0	0.000	0.00	8.25	0.000
0.04	0.250	0.25	9.1	0.005
0.04	0.250	0.50	9.37	0.009
0.04	0.250	0.75	10.29	0.014
0.04	0.250	1.00	10.51	0.019
0.04	0.250	1.25	11.35	0.024
0.02	0.125	1.38	11.5	0.026
0.02	0.125	1.50	11.63	0.028
0.02	0.125	1.63	11.74	0.031
0.02	0.125	1.75	11.82	0.033
0.02	0.125	1.88	11.88	0.036
0.02	0.125	2.00	11.94	0.038
0.02	0.125	2.13	12	0.040
0.02	0.125	2.25	12.06	0.043
0.02	0.125	2.38	12.11	0.045
0.02	0.125	2.50	12.15	0.047
0.04	0.250	2.75	12.23	0.052
0.04	0.250	3.00	12.29	0.057
0.04	0.250	3.25	12.39	0.062
0.04	0.250	3.50	12.44	0.066
0.04	0.250	3.75	12.48	0.071
0.04	0.250	4.00	12.5	0.076
0.04	0.250	4.25	12.54	0.080
0	0.000	4.25	12.35	0.080

Titration 5				
Buffer (ml)	mMoles	Cumulative mMoles	pH	Cumulative mMoles/g
0	0.000	0.00	7.79	0.000
0.05	0.313	0.31	8.93	0.006
0.05	0.313	0.63	9.71	0.012
0.05	0.313	0.94	10.31	0.018
0.05	0.313	1.25	10.85	0.024
0.05	0.313	1.56	11.47	0.030
0.02	0.125	1.69	11.56	0.033
0.02	0.125	1.81	11.66	0.035
0.02	0.125	1.94	11.76	0.037
0.02	0.125	2.06	11.84	0.040
0.02	0.125	2.19	11.91	0.042
0.02	0.125	2.31	11.97	0.045
0.02	0.125	2.44	12.01	0.047
0.02	0.125	2.56	12.07	0.049
0.02	0.125	2.69	12.11	0.052
0.04	0.250	2.94	12.18	0.057
0.04	0.250	3.19	12.26	0.062
0.04	0.250	3.44	12.31	0.066
0.04	0.250	3.69	12.37	0.071
0.04	0.250	3.94	12.40	0.076
0.04	0.250	4.19	12.43	0.081
0.04	0.250	4.44	12.47	0.086
0.04	0.250	4.69	12.50	0.090
0.04	0.250	4.94	12.52	0.095
0	0.000	4.94	12.38	0.095

NaOH for pH ~12.4							
Titration	Sample	Wet Soil	Groundwater	Total Mass	Cumulative mMoles	Millimoles per ml of water	Millimoles per gram of soil
		g	g	g			
1	Groundwater	0	50	50	2.8	0.055	
2	Soil + GW	52	52	104	5.4		0.049
3	Soil + GW	53	53	106	4.3		0.025
4	Soil + GW	52	52	104	5.3		0.047
5	Soil + GW	50	52	102	4.9		0.042

Notes:
 25% NaOH (wt/wt)
 25% NaOH density 1.15 g/cc
 1.00 g
 0.87 ml
 25% NaOH per g of Klozur SP
 25% NaOH per g of Klozur SP

Appendix E
Oxidant Calibration Curve and Raw Data

Oxidant Measurement Titration Calibration Curve

In-Situ Chemical Oxidation Treatability Study Report
 714 East 241st Street
 Bronx, New York
 Langan Project No. 140115301

Sodium persulfate (mg/L)	0.5 M Volume of KMnO4 (ml)	Blank -Sample of 0.5 M KMnO4 (mL)
Blank	7.95	0.00
40,260	1.10	6.85
10,065	6.25	1.70
5,033	7.15	0.80
1,007	7.90	0.05

Calcium Peroxide (mg/L)	Volume of 2g/L KMnO4 (mL)
10	0.20
50	0.45
500	2.15
750	3.00
1,000	3.80

